

SECTION ON NEONATAL-PERINATAL MEDICINE

NEWSLETTER – Summer 2022



American Academy
of Pediatrics



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Section on Neonatal-Perinatal Medicine

Introducing the New All Pathways (#AllPath) Working Group

Clara Song MD, FAAP
Andrea Scheurer MD, FAAP

The SONPM recognizes that neonatal intensivists follow a variety of career pathways. In April of this year, the SONPM supported the creation of the new All Pathways Working Group. All Pathways (#AllPath) aims to better serve neonatal intensivists in all settings, whether working in, alongside or outside of the traditional university-based model. This key collaboration honors the SONPM overarching vision: “Healthy newborns, universal quality care, fulfilled professionals.” This group also aligns with the Section’s core strategic aims, which include a focus on outreach and support of clinicians and researchers. All Pathways will focus on the needs of those working in private practice, hybrid models, non-clinical careers and everything in between. The group is open and inclusive for all neonatal intensivists and providers with the aim to address needs of everyone in our neonatal community.

All Pathways hopes to better understand the wide variety of career pathways and explore ways the SONPM can meet the needs of all neonatologists. The group will address the needs of those who desire opportunities for leadership and service, as well as those who simply wish for progress in our community.

Along these lines, #AllPath will focus on the following domains of interest:

- Networking and Education
- Bridging the gap between academic and private practice
- Easing access to life-long learning opportunities
- Research and Innovation
- Quality improvement, assessment and benchmarking for neonatal units

Perinatal News “At a Glance”

Mary Nock, MD, FAAP, Editor

Introducing the New All Pathways Working Group	1
View from the Chair – We Must Take Sides	2
WECaN: Around the World in 80 Days	3
Clinical Leaders Group Update	4
Women in Neonatology Update	4
Women in Neonatology Equity Initiative Update	5
MidCaN Summer 2022 Update	5
ONTPD Updates	7
2022 Marshall Klaus Perinatal Research Awards	8
Getting to Know ... Wendy Timpson	9
Coding Questions	12
Coding Answers	15
2022 Section on Award Recipients	18
Vermont Oxford Network	18
VON “All Care is Brain Care” Collaborative	18
Focus on Global Health	19
The Importance of History	20
TECAN Executive Council	21
Family Centered Care Taskforce.	21
Frank H. Morriss, Jr. Leadership Award	22
Summary of the 2022 Spring Workshop	22
Awards Gala	23
AAP National Conference and Exhibition	25
Executive Committee Roster 2022	26
District News	27
2023 Gravens Conference Preview	51



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- Collaboration with various sectors such as bioengineering, biodesign, industry, and centers of excellence for neonatal-specific invention and implementation
- Career and Service
- Recruiting, compensation, negotiation
- Recognition of service within hospitals
- Exploring leadership in corporate institutions

Our current goals:

1. Establish an email listserv
2. Engage members with alternate forms of community communication, such as group texts and webpage on the SONPM collaboration site
3. Identify members' high priority needs
4. Embrace involvement of non-member neonatal intensivists and providers
5. Communicate local and national AAP SONPM opportunities and events
6. Nominate #AllPath members for representation to other SONPM Special Interest Groups/Working Groups/Task Forces, SONPM conference panels and leadership positions
7. Advocate for #AllPath scholarships to such conferences as VON and AAP Advocacy Conference
8. Recommend #AllPath representation at SONPM-associated meetings (i.e. Gravens, Hot Topics)

The All Pathways Working Group Co-Chairs are Lily Lou and Clara Song. Core Working Group members are Maria Abrantes, Kaashif Ahmad, Aarthi Gunasekaran, Prasanthi ("Shanthi") Misha, Andrea Scheurer, and Bob White. We are building our listserv now! Connect by emailing TColetta@aap.org. For more information, email clarasong@me.com.

View from the Chair – We Must Take Sides

Lily J Lou MD, FAAP

One of my guiding sentiments is from Elie Wiesel, "We must take sides. Neutrality helps the oppressor, never the victim. Silence encourages the tormentor, never the tormented." I often reflect that Germany was filled with good people when Hitler was rising to power. But it is more and more uncomfortable to speak up when our society feels so polarized over things as basic as masks and vaccines. We live in a time when our Supreme Court has overturned a pivotal court decision, against the sentiments of the majority of Americans polled. Oppressive laws restricting the safe care of gender affirming transitions are being put forth in some of our states. We are reliving the feeling of the Watergate days

as the nation watches the hearings on the January 6th insurrection with a mixture of hope and resignation. And the debate about firearm safety remains incredibly tense and fraught, with passion on both sides in the wake of Uvalde, the Tops grocery store, and the shooting of a surgeon (and others) by a patient in Tulsa, OK - just to name recent events in the news.

As neonatologists, we work so hard for every newborn life we have the privilege of holding in our hands, only to be heartsick at the tragic loss of some of these same children's lives at school, a place where they should be absolutely safe, and we are so frustrated and demoralized that this keeps happening. I shocked myself with my immediate reaction to the event in Tulsa, "Good, only four died." I do not want such tragedy to be so normalized. I will leave the need for real change in our firearm tolerance and culture to the many discussion threads that abound and address instead a more general question.

There is no guarantee that we will continue to live in a democracy with a government that fulfills the interests and will of all of the people. We must make it so and keep it so. This country's birth articulated a vision of a just, representative government. In the present time, gerrymandering and political gamesmanship rule the day and power rests with the savviest election strategists. As July 4th has recently passed, with our neighborhoods decorated in red, white, and blue, I wonder how to get back to that hope and vision of a government of the people, by the people and for the people. How do we make sure that our leaders act in the best interests of all Americans?

We all need to vote. We must participate as citizens and community members. In the early days of American independence, the right to vote was only accorded to white male property owners. Gradually, all white men over 21 gained that privilege. In 1870, African American men were allowed to cast their ballots, and in 1920, the 19th amendment gave women the right to vote across the land. Now all citizens over age 18 have the right to vote in the USA. However, through all these steps in the progress of American democracy, voter turnout has never been 100%. In the 2020 presidential election, 66% of eligible voters showed up at the polls. Some of the reasons for not voting include strict polling place requirements (photo ID, physical street address), language barriers, voter list purges, polling place consolidation/lack of election process funding, reduced early voting or voting hours shrinkage, partisan election administrators and creation of at-large local offices that tend to dilute the votes of people of color. In the early days of women's suffrage, one of the major reasons for not voting was the lack of belief in the rights of women to have a say in government. Some people do not get time off work or lack transportation to the polls. Importantly and sadly, many people do not feel their vote will make a difference.

We, as health care workers, can encourage our patients to vote. Every encounter provides an opportunity for this different flavor of anticipatory guidance. In fact, one organization makes it easy to bring this up in conversation. Vot-ER was started by an emergency medicine physician, Dr. Alister Martin, who takes care of a typically underrepresented sector of the population at Mass General Hospital. Our NICU patient populations are also enriched with families dependent on programs that depend on federal funding and it is important for us and for them to use their voices to let our leaders know those programs matter. Vot-ER works by providing scannable badges with QR codes that tell people if they are currently registered to vote and help them get on the voter rolls if they are not. (Here is a link to Vot-ER and their own description of who they are: <https://vot-er.org/>)

Many of you are already familiar with my passion for advocacy. In addition to choosing our elected officials, it is important to let them know what matters to us. When you call, email or write to your members of Congress, they tally another tick mark in the column of your prioritized issue, often literally marking the number of pro and con messages to guide their votes on important legislation. If they do not hear from you, their attention is drawn to the need for a new highway, farm relief, tax credits or military allocations - all also important, but ours are the voices that are needed to keep health policy visible enough to the holders of the purse strings to support the needed infrastructure. The AAP has two relevant Committees, Federal Government and State Government Affairs. As an AAP member, you have access to incredible resources that make this kind of communication nearly effortless. I once timed how long it took me to go to the website, customize a template to reflect my practice and my constituency and send it to all of my representatives: 28 seconds. I encourage you to familiarize yourself with the Advocacy Action Center and learn how easy it is to raise your voice when it matters.

Engaging in participatory government is essential to an America that values and serves all Americans. Martin Luther King, Jr. said, "Our lives begin to end the day we become silent about things that matter." I hope you might find Vot-ER a useful, easy and fun way to bring up the importance of taking part in a core activity of our democracy and I thank you for continuing to speak up on issues of health policy. I look forward to joining my voice with yours and the families we serve about things that matter.

WECaN: Around the World in 80 Days

Stephen A Pearlman MD, MS, FAAP

The recent lifting of travel restrictions has many of us chomping at the bit to visit other places around the world. We still must be cautious, checking the CDC website for the latest information. I recently returned from a trip to

Italy for a conference and vacation. Each country has its own rules about vaccination and testing. Up until very recently, the US required a negative test to return to this country. I held my breath when I had my test done and fortunately it was negative. What was the worst thing that could have happened? Having to spend a few extra days in Italy, a tragedy of Shakespearean proportions!

Travelling is an activity that many Section members enjoy and look forward to doing more of as our careers are winding down. There may be less holding us back from just getting on a plane and flying off to some exotic location. We look forward to seeing new things, meeting new people, trying new cuisine, and having new cultural experiences while our health permits us to do so. So, what is holding you back? Quite honestly, I found that safety precautions in the airports, airplanes and in all the places I visited to be a high priority. One of the things I noted was that in Italy, every restaurant and store had hand sanitizer at the entrance and people used it. The bottom line was that I felt quite safe while travelling abroad.

Travel may also be an opportunity to combine the pleasure of visiting someplace new with our professional interests. Some neonatologists have gotten involved in global health to improve the outcomes of babies around the world. These efforts may involve direct patient care or teaching others how to provide the best care in an area with limited resources. There have been efforts to improve maternal health, the birthing process, neonatal resuscitation, and care of the high-risk neonate. Much of this work has been memorialized in various publications. Those who have participated in these global health efforts have found it to be a profoundly rewarding experience.

Personally, I have not yet travelled abroad as part of this type of effort but have considered it. In a previous column, I quoted the advice of the American pastor Harry Emerson Fosdick who said, "Don't retire from something, have something to retire to." In that spirit, I wanted to find out more about global health opportunities. I have put together a panel of experts in a program called "Going Global." This discussion will be held at the NCE meeting on October 7 from 2-4pm. The panel includes Carl Bose from UNC, Yvonne Vaucher from UCSD, George Little from Dartmouth, Bill Keenan from St. Louis University, and Sara Berkelhamer and Rachel Umeron from University of Washington. If you know others who might have something to contribute to this panel, please have them contact me at spearlman@christianacare.org. We are also extending an invitation to the members of TECaN, MidCaN, WiN, and the SONPM general membership to join us. We hope you will take advantage of this opportunity. As the singer/songwriter Willie Nelson said,

“On the road again
Goin’ places that I’ve never been
Sein’ things that I may never see again
And I can’t wait to get on the road again.”

Looking forward to seeing all of you at this year’s NCE in Anaheim!

Clinical Leaders Group Update

Jessica Davidson MD, FAAP

After almost two years of collaborative virtual workshops, the Clinical Leaders Group (CLG) had a great first in-person meeting at the Scottsdale Workshop on Neonatal-Perinatal Practice Strategies. At this meeting, we reviewed our progress and shared our new partnership with the AAP NICU Verification Project. In support of the national standards being developed by the NICU Verification Project, CLG has developed a curriculum for 2022 on “Building a NICU Quality and Safety Infrastructure.” This curriculum has been created in partnership with several neonatal nursing organizations, and is targeted to multidisciplinary leaders of NICUs and special care nurseries. The curriculum runs via four virtual workshops held between May and September, and will culminate with another in-person meeting at the AAP NCE in October 2022. These workshops are recorded and housed on the curriculum webpage. Reach out to any of the CLG leaders (Jessica Davidson, Jeff Meyers, Jim Barry, Munish Gupta, or to our gmail below) if you would like the link to the curriculum webpage. Many of you already have it bookmarked and we love having your involvement!

As a reminder, recordings and resources from previous workshops are available on our CLG collaboration site, which can be accessed from the AAP SONPM homepage.

If you would like to join our active listserv, or would like to stay informed about CLG workshops and events, please email us at clinicalleadersgroup@gmail.com. We look forward to another productive and collaborative year!

Women in Neonatology Update: Our First In-Person Meetings and More

Christiane EL Dammann MD, FAAP, WiN Chair

The 2022 Scottsdale WiN Workshop for Transformational Coaching, “Finding Calm in the Storms: A Practical Guide for Developing the Shared Physical Foundation for Wellness and Leadership,” was given by Jacyntha Kamor. We enjoyed our first get-together in person. We were a smaller group, good for focusing on healing.

The breakout session, “The Five Steps towards Lasting Change,” focused on the following:

1. Awareness exercise: “What is” and what wants changing in my life, and how this feels in my mind and body. Then an awareness of how I want it to be, my vision, hope, and desire.
2. Introduction and exercise on acceptance and why it is important.
3. Reflect on one to three doable actions from where you are to where you want to go.
4. Assess resistance and any feelings of hopelessness, etc. and set up various forms of accountability and support, and ways to measure progress.
5. Finally, ways to feel, know and assess actualization including some way to celebrate.

WiN held workshops and more at the PAS meeting in Denver, CO:

- “Negotiation Skills for Women in Pediatric Subspecialties: What to Ask for and How to Get It” was a very interactive session with about 120 attendees.
- “Advocating for Gender Equity in Pediatrics: A Three-Pronged Approach” focused on three areas with about 120 attendees: 1) Institutional - how to build local women in pediatrics groups, investigate and disseminate existing disparities, build oversight, and plan targeted interventions. 2) Field/specialty - how to engage with your field’s existing women’s network or build one if does not yet exist. 3) Nationally, across pediatrics - how to align interventions across pediatric subspecialties.
- WiN Happy Hour sponsored by Reckitt Mead Johnson



WiN at PAS

WiN has held a number of webinars:

September 9, 2021: “The Joys and Challenges of Motherhood as a Woman in Neonatology,” panelists: Namrita Odackal, Shazia Bhombal, Clara Song, Jessica Madden, Dena Hubbard, Christiane Dammann, Kris Reber, Marilyn Escobedo, Susan Landers

October 7, 2021: “What is Holding You Back? You Really are Great!” Workshop on Imposter Syndrome with Renate Savich

December 9, 2021: “From Burnout to Burn it Down: Channeling Your Fire into Changing the System,” Dena Hubbard

January 6, 2022: “WiNning by Not Losing: Avoiding Costly Financial Mistakes,” Elizabeth Bonachea

February 3, 2022: “Virtual Happy Hour” for National Women Physician Day

February 24, 2022: “Women Leaders in Neonatology in the Non-University Setting,” with panelists Kathleen Weatherstone, Barbara Carr, Meg Prodo, Tiffanie Simpson, Fegega Workie

May 3, 2022: “Confident Parenting, It’s Not What You Know,” Ceara Deno

The WiN Executive Committee includes Marilyn Escobedo, Renate Savich (Past Chair), Clara Song (Chair Elect), Krithika Lingappan, Shazia Bhombal, Namrita Jain, Linda Van Marter, Kris Reber, and Dena Hubbard. Website Editor is Karen Hussein. WiN Subcommittee co-leads are: Networking/Communication - Karen Hussein, Anisha Bhatia Attawala; Leadership - Brenda Poindexter, Karin Potoka; Advocacy - Kerry Machut, Christine Bishop; Membership - Pia Wintermark, Vishakha Nanda; Health/Wellness - Mariann Pappagallo, Shilpa Vyas-Read; Career Development - Lindsay Johnston, Kristen Leeman.

Women in Neonatology Equity Initiative Update

Kerri Z Machut MD, FAAP

The Women in Neonatology Equity Initiative is supported by a SONPM Strategic Grant and has been quite productive since their launch a year and a half ago. The Equity Initiative Steering Committee is led by Kerri Machut and Christiane Dammann and includes Shazia Bhombal, Marilyn Escobedo, Jasmeet Kataria-Hale, Alla Kushnir, Krithika Lingappan, Christiana Oji-Mmuo, Lisa Owens, Renate Savich, Clara Song, and Rachel Wright.

Our primary strategic and investigative efforts culminated in “Call to Action: Gender Equity in Neonatology,” published in *Journal of Perinatology* this spring (<https://pubmed.ncbi.nlm.nih.gov/35411019/>). Our evaluation of the pandemic effects on neonatologists was published in the *Journal of Pediatrics* (<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8572527/>). We submitted a third manuscript assessing authorship gender differences in the *Journal of Perinatology*. We authored two AAP Annual Leadership Forum Resolutions (2021: Promote a Workplace Infrastructure Supportive of Women in Pediatrics; 2022: Promote Sustainable Staffing Models for Pediatric Physicians and Their Healthcare Teams). We also presented six abstracts over the past year. Our next focus is building a toolkit to support institutions and neonatology practices in achieving gender equity.

Female Leadership and Excellence in Pediatrics Subspecialties (FLEXPeds) Virtual Summit was held April 4-5, 2022 and included representative from 31 AAP subspecialty sections. Christiane Dammann is the founder. Kerri Machut was the SONPM representative. View <https://www.aap.org/en/community/aap-committees/committee-on-pediatric-workforce/female-leadership-and-excellence-in-pediatric-subspecialties-flexpeds-virtual-summit-2022/> for information created during the Summit.

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MidCaN Summer 2022 Update

Eric Horowitz MD, MHA, RD, FAAP

As MidCaN continues to grow in size and offerings, we want to make sure that we are open and inclusive. We do not want to exclude participation or ideas due to arbitrary cutoffs that may exclude many who could contribute to or benefit from participation in MidCaN. Therefore, we wanted to share some information that may have been missed:

In March of 2021, MidCaN revised its governance documents, and one area that underwent revision was our guideline for membership. It now reads:

Qualifications for MidCaN Membership:

- Parties interested in MidCaN membership must be members in good standing of the AAP and the SONPM.
- Mid-career neonatologists, typically considered to be those between eight (8) and eighteen (18) calendar years from completion

of neonatal-perinatal medicine fellowship and who are SONPM members are eligible for MidCaN membership upon submission of the appropriate application materials. SONPM members may also elect to self-identify as being mid-career outside of these suggested guidelines.

Why is this so important and why do we wish to share this in the Section Newsletter? Two simple reasons:

1. It is consistent with our vision to create a diverse and dynamic community of leaders by supporting career and leadership development and increasing active participation in the SONPM among mid-career neonatologists. Our vision guides us, as we cannot best advocate for or engage with key stakeholders unless they have a voice and an opportunity to participate.
2. We are requesting nominations for the MidCaN Executive Council. Each of the six MidCaN Committees (Advocacy, Communication, Leadership, Quality Improvement, Research, and Wellness) are led by two Co-Chairs who sit for a renewable two-year term. As we approach the AAP NCE conference, we will be seeking nominations for those who may wish to seek these positions, and offering an opportunity for current Chairs to seek reappointment. To this end, if you are interested, please email Eric Horowitz (horowitz@ymail.com) a brief (no more than one page) letter of interest and a copy of your CV.

Why are we seeking great leaders? Activity within the AAP, our Section, and MidCaN is voluntary, so we need motivated self-less individuals who are willing to create great member value and be our best advocates. Again, if are you interested, learn more at www.aap.org/MidCaN

As we head to the end of 2022, let us recap some of the highlights of 2022 and things to come in 2023:

MidCaN NewsFlash past monthly issues are available at: <https://collaborate.aap.org/SONPM/Pages/MidCaN.aspx>

The MidCaN NewsFlash will be receiving a refreshed look in 2023!

MidCaN Grand Webinar Series <https://www.aap.org.ezp-prod1.hul.harvard.edu/link/f5e34d705ccf4d30aef126972f3d2c34.aspx>

- Ted Lasso, Football, and Leadership: From Burnout to Believe - Dena Hubbard
- Seeking Wellness by Understanding Diversity, Equity, Inclusion, Micro-aggressions, and Emotional Intelligence - Sharada Gowda
- Quality Measures: What Should We Measure, and Why? - Munish Gupta
- Lediatics 101: A Multigenerational Tale of Leadership Pearls and Pitfalls for MidCaN Members - Ashley Lucke and Lewis First
- Entrepreneurship and Innovation in Neonatology - Janene Fuerch and Vivek Lal
- Careers in Quality Improvement - Heather Kaplan
- Message Amplification through Social Media - Ben Courchia and Daphna Yasova Barbeau
- Introduction to Social Media - Sarah Bernstein
- Turning Advocacy Efforts into Scholarly Activity/Portfolios - Ben Hoffman
- Panel Discussion: Advocating for the Physician-Scientist in Neonatology - Judy Aschner, Satyan Lakshminrusimha, Trent Tipple, and Linda Van Marter
- Integrating Advocacy/Public Policy into your Professional Life as a Neonatologist - Stephen Patrick
- Title to be announced soon - Jennifer Arnold

Neonatal Provider Workforce Webinar Series

<https://www.aap.org.ezp-prod1.hul.harvard.edu/link/b132b9c791a1485fae284d40e9153e48.aspx>

- Alternative Careers for Physicians - John Jurica
- Current State of the Neonatologist Workforce - Anisha Bhatia
- State of the Neonatal Nurse Practitioner Workforce - Elizabeth McCutcheon and Barbara Snapp
- Current State of Burnout and Career Satisfaction in the Neonatologist Workforce: Actions We Can Take Now - Dena Hubbard
- Defining a Neonatologist FTE - Steven Olsen
- Diversity and Equity within the Neonatologist Workforce - Kerri Machut
- State of the Neonatal Physician Associate Workforce - Michael Bautista, Jodi Freeman, and Tria Kinnard
- Corporate Neonatology: A Panel Discussions with Leaders - Meg Prado, Kaashif Ahmad, Eddie Chang, Connie Andrejko, and Kathleen Weatherstone
- Pediatric Workforce - The Groups Working for You: A Panel Discussion - Harold Simon, Jill Fussell, Laurel Leslie, Bob Vinci, and Andrea Duncan

In 2023, MidCaN will continue the MidCaN Grand Webinar Series - the monthly series composed of two webinars organized by each of the Committees of MidCaN to touch on issues of Advocacy, Communication, Leadership, Quality Improvement, Research, and Wellness. Further, in 2023 the series will have the availability of continuing

education credit across multiple professions with the gracious support from the Trinity Health System. Please stay tuned for these and other offerings from MidCaN in 2023!

ONTPD Updates

Patrick Myers MD, FAAP

ONTPD recently celebrated its second annual Quizzo competition. This lighthearted and energetic quiz competition pits fellowship programs against one another in a trivia contest encompassing the history of our profession, famous neonatology trials, and pathophysiology facts. Congratulations to our top five teams: The Bronx Wizards, the UVA Wahooligans, the CHONY Champions, the NCH PremieDonnas, and the WMC Winners. Kudos to Baylor for receiving the Most Spirited Team Award. Thank you to Gautham Suresh for creating the fabulous questions and Liz Bonachea for being an amazing host!

ONTPD's commitment to diversity, equity, and inclusion in our training programs has led to the creation of two new organizations. We have partnered with TECaN to create a DEI subcommittee. Early productivity from this group includes multiple national presentations on holistic review in Graduate Medical Education and coordination of a funded speaker series highlighting DEI topics in neonatology. We have created a new working group within SONPM called Representation and Equity in Neonatology (REIN). Akin to WiN, REIN is designed to foster community among Underrepresented in Medicine neonatologists and trainees interested in careers in NPM.

In 2020, as a response to the COVID-19 pandemic and challenges to in-person education for NPM fellows, the ONTPD Executive Council created a series of live, virtual talks by experts in areas of NPM, coined, "Online with Experts." This series, held bi-monthly during the academic year, will continue its third year in September 2022. Talks will include sessions around gender equity and financial planning in neonatology; fetal-neonatal immunology; management of surgical NEC; and a highly anticipated four-part series of interactive problem-solving talks about biostatistical methods, with practical tips and applications to help fellows with clinical care, scholarship, and critical appraisal of the literature and evidence base in neonatology. Please join us on Zoom on September 7, 2022 at 3-4 pm EST. Ask your friendly Program Director for access. All sessions are recorded and uploaded to MedEd On The Go. (MedEd On The Go - Short-Form Comprehensive Medical Education > Home > Pediatrics > Featured Neonatology Series)

Fellowship Match Day has been moved up to November 30, 2022. The NRMP has merged the Medical Specialties Matching Program and the Pediatric Specialties into one

match starting this year. It will greatly help those who are couples matching or matching into combined internal medicine and pediatric subspecialties.

The ONTPD Professional Development Committee offers live and recorded Virtual Cafés with invited PD/APD/educator experts. Each panel covers a common issue encountered in fellowship programs and shares their personal experience with addressing the topic. Past Cafés have covered the ACGME survey and running a Program Evaluation Committee. Our next session will be June 23 at 3pm EST (12pm PST) and will cover the logistics of interview season. Please join us or volunteer as a future panelist! Find past sessions at the ONTPD YouTube channel by searching ONTPD and Neonatology on YouTube.



ONTPD Had a Wonderful Meeting at PAS

The third annual virtual Job Search Series continues and aims to help third year fellows master the job search process. Thank you to all the volunteers who have helped with the private practice, academic, junior faculty, didactic, negotiation and visa talks.

The first draft of the new Neonatal-Perinatal Subcompetencies has been completed. The ACGME Milestones are the tools that Fellowship Program Directors use to evaluate fellows. The goal is to make the ACGME Milestones 2.0 more user friendly and improve the ability of the Clinical Competency Committee (CCC) to evaluate the fellow. Work continues in editing, creating a user's guide with examples, and refining the language.

The ONTPD and the National Neonatology Curriculum E-college for biostatistics will be ready for roll out for the 2022-23 academic year. Video modules cover biostatistics topics including descriptive statistics, sampling, hypothesis testing, parametric and non-parametric tests, linear regression and correlation, logistic regression and survival analysis. Video modules, learner guides, and a clinical dataset will be uploaded to

MedEd On The Go with the NeoFlip National Neonatology Curriculum modules. Four Online with Experts dates will be reserved for reviewing and working through the learner guides with expert facilitators. The course will follow a flipped classroom model: Before each session, participants will be expected to review short videos introducing the concepts, and then during the Online with Experts sessions the facilitator will help participants work through the exercises to apply the concepts to the clinical dataset. Fellows who participate in the program and complete pre- and post-surveys will be awarded a Certificate in Clinical Neonatology Statistics.

The Forms Committee is working on creating a Dropbox for PDs/APDs that will contain resources such as evaluation tools for procedural competency, mapped Milestone evaluations for service months and on-call nights, summative CCC evaluation forms, examples of APE documents, 360s, parent evaluations, interview evaluations, etc. Our goal is that this Dropbox will allow for faster additions/updates than our website can support. We would LOVE to have many examples of evaluations, forms you utilize or anything you have created that you think is nifty to add to this folder, so please email them to hkarpen@emory.edu so we can start filling the box!

2022 Marshall Klaus Perinatal Research Awards

Joern-Hendrik Weitkamp MD Chair, SONPM Research Committee

On behalf of the American Academy of Pediatrics (AAP), Section on Neonatal-Perinatal Medicine (SONPM) and this year's Klaus Neonatal-Perinatal Research Fund supporters, we would like to congratulate the recipients of the 2022 Marshall Klaus Neonatal-Perinatal Research Award! The Research Committee received 52 very strong applications and all applicants deserve recognition for their already strong bios, outstanding mentors, and exciting projects. This year's awards are sponsored by Mead Johnson, Johnson & Johnson Pediatric Institute, Brodsky & Martin at Beth Israel Deaconess Neonatology Foundation Inc., Beth Israel Deaconess Medical Center, and the AAP SONPM. Thanks to our sponsors, this year we are able to fund the top 11 ranked applications with the \$5,000 research award. The money will be used to support the proposed research project.

Marshall Klaus Bench or Clinical Research Awardees

Nicole B Anderson MD



The Role of GLUT3 in Neurodevelopment

School of Medicine at UCLA
Mentor: Sherin Devaskar MD

From studying neuroscience as an undergraduate student to conducting medical education research in medical school and residency, a diverse scholastic, clinical, and research background has cultivated my ambition

to contribute to scientific discovery and innovation in a meaningful way. This scientific curiosity, along with my devotion to helping others, ultimately led me to become a physician. I am particularly interested in neurodevelopment, understanding associated disease processes, and developing therapeutic solutions. As a neonatology fellow, I have joined the laboratory of Dr. Sherin Devaskar, who has done exciting work uncovering the many roles of glucose and glucose transporters on neurodevelopment and neurodevelopmental disorders. My project aims to use mice bred to be deficient in the neuronal glucose transporter, GLUT3, in neural progenitor cells of the brain to 1) investigate GLUT3's role on cellular neurodevelopment, 2) to determine the presence of a tissue specific GLUT3 deficiency in human dysplastic brain tissue, and 3) to compare cortical patterning and GLUT3 expression of human dysplastic brain tissue to GLUT3 deficient mice. The overarching goal of this project is to understand GLUT3's role on neurodevelopment and neurodevelopmental seizure disorders and establish the underlying mechanism(s) behind these devastating clinical entities. I presented my preliminary findings at the 2022 Pediatric Academic Societies (PAS) meeting. My cumulative research and clinical experiences have directed my continued intellectual drive and determination to advance scientific discovery to ultimately lead to better outcomes for the patients I treat. In addition, I am passionate about teaching and mentoring pediatric residents and medical students and plan to utilize my background in medical education to teach and mentor trainees I work with throughout my career. Through support from my mentors, I will continue to build and cultivate the skills I need to become a successful physician neuroscientist in the field of neonatology.

Abstract: Certain neurodevelopmental disorders (NDDs) in children, such as focal cortical dysplasia (FCD) and tuberous sclerosis complex (TSC), involve congenital abnormalities of the brain resulting in seizures

Getting to Know ... Wendy Timpson, District I Representative

Medical school and training: I am an UMass lifer - medical school, residency and fellowship.

Current position: I recently came back to my roots at UMass as the Clinical Division Chief. I am excited to be taking on this new challenge, but already miss my BIDMC family dearly.

Family and pets: I am lucky to be married to my incredibly supportive and patient husband, Jon, who is an adult pulmonologist/intensivist. We have three kids who are thankfully very flexible: Ellie (11, the perfect amount of obstinate), Henry (9, exceedingly thoughtful) and William (5, unrelentingly exuberant). Our two dogs fill our house with love and fur: Sawyer, a golden retriever, and Twyla, a rescue whose entire litter was named after characters from *Schitt's Creek*.

What would people be surprised to learn about you: I used to be a first grade teacher.

Favorite vacation of all time: Yoga retreat in Costa Rica with my sisters.

Best gift you ever received: My Shop Vac. Recently overheard at my house, "Guys...where is mom?" "She's out in the yard vacuuming the lawn again."

If you weren't a neonatologist, you would be a? A teacher. I loved it and wouldn't hesitate to go back to it.

Best advice for early career neonatologists: Trust your gut, then ask a friend. We are never done learning and we are never alone.

Hobbies: Skiing, hiking, gardening

What book are you reading right now: *The Conversation* by Robert Livingston

Most important thing you have learned in your career: One of my most cherished mentors, John Zupancic, says he learned this from one of his mentors, "Don't do nothing, just stand there." Sometimes we just need to step back and let the babies grow.



Best or favorite childhood memory: Riding home from the beach crammed into the back of the woody wagon eating ice cream. One of my little friends was in a bikini devouring a cone of ice cream with a gigantic grin on her face and melting chocolate running down her tummy. I was equally horrified and amazed!

Your hidden talent: Making homemade Sorrentino sauce

The best thing about where you live: Walking along the same trails where Henry David Thoreau translated the simplicity of nature into a doctrine that would influence politics indefinitely. And, there's an amazing local ice cream shop that makes the best flavor ever - Green Monstah.

I've recently been inspired by: my NICU team. There is nothing more magical than watching a highly skilled and compassionate group of individuals come together to deliver seamless care to a baby in need.

Favorite movie: *Super Troopers*

Favorite way to relax after a hard day: I like to sit on our back porch watching our kids play in the field behind our house.

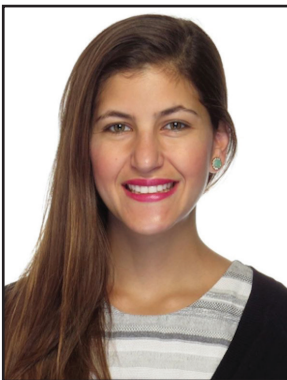
Do you collect anything: Nope- I'm a purger! If it isn't being used, it's out!

Who would you like to swap lives with for a day: One of my dogs. They've got it real good!



unresponsive to medication, often requiring surgical intervention. Imaging studies in these patients show that affected brain areas have a low utilization of sugar (glucose), the brain's primary energy source. This led us to investigate if a problem involving sugar uptake in the nervous system of the brain is an underlying mechanism in the development of FCD and TSC. Our lab has previously shown that a selective mutation in the glucose transporter gene, GLUT3, in neuron precursor cells in mice leads to an increase in seizures and behavior similar to attention deficit hyperactivity disorder, both of which are seen in FCD and TSC. We aim to investigate if a disturbance in the GLUT3 gene in neuron precursor cells leads to the development of typical FCD/TSC brain tissue findings in mice by comparing normal mice brains to the brains of mice with a selective GLUT3 mutation. We will also compare mice brain changes to surgically obtained human brain tissue from patients with FCD, TSC and similar disorders. We suspect that the absence of GLUT3 in neuron precursor cells leads to abnormal brain development and features consistent with FCD and TSC, which would be an important step in understanding the mechanism behind the development of these devastating diseases, paving the way for future prevention and treatment strategies.

Katharine P Callahan MD



Parent-Important Outcome Measures in Bronchopulmonary Dysplasia

The Children's Hospital of Philadelphia
Mentor: Sara DeMauro MD, MSCE

I am a fellow in both Neonatal-Perinatal Medicine and Medical Ethics at the Children's Hospital of Philadelphia and University of Pennsylvania Perelman

School of Medicine. My overarching research goal is to understand how clinicians and parents imagine futures for ill neonates and to help them do so in ways that promote family values and minimize clinician bias. Much of my prior research advances these goals in the realm of genetic testing. Partnered with Rachel Adams, parent of a child with Down syndrome, I wrote about how understanding a patient's life beyond a chromosomal diagnosis can enhance medical care. Mentored by Dr. Chris Feudtner, my most recent project was a split sample psychological experiment demonstrating that neonatologists applied genetic findings, including uncertain genetic findings or those heralding neurodevelopmental impairment, in biased and problematic ways. I have also done work on holistically supporting parents of critically ill neonates by validating an early palliative care intervention. This

project, Parent-Important Outcome Measures in BPD, brings together and expands upon my prior work. Here, I will directly study the information parents want when imagining futures by turning the query back to them. Completing this work will advance my ultimate goal of becoming an independent physician-investigator with a focus on thoughtful, ethical counseling and decision making in the NICU.

Abstract: There is a consensus among neonatologists and scientists that bronchopulmonary dysplasia (BPD) is associated with meaningful morbidity for many preterm neonates, yet the nature of this morbidity and the reasons it is meaningful remain opaque. This disease impacts not only respiratory outcomes but also other medical and neurodevelopmental outcomes. To define BPD severity classes and evaluate therapies for BPD, researchers must choose among the many possible outcomes against which to measure success. Researchers must consider the scientific merit of outcomes and practical constraints, but nonetheless have significant flexibility in choosing among a long list of measurable outcomes. Clinicians similarly have choices in prioritizing outcomes for making medical decisions and counseling parents, but they are limited to the information that research generates. Evidence is mounting that outcomes physicians deem important may not be the same outcomes NICU parents actually prioritize, what I term "parent-important outcomes". Here, I propose a novel approach to prioritizing BPD outcomes: asking parents. I will focus on medium- and long- term outcomes, which I define as outcomes that may occur at least one month after NICU discharge. I will use an experimental design - a discrete choice experiment - to facilitate ranking of the many possible outcomes by the parents of children who have BPD. This ranking exercise will include both doctor-derived research outcomes and parent-derived outcomes reported in qualitative work. Ultimately, we hope that knowing which outcomes are most important to parents of children with BPD will allow researchers to prioritize these outcomes for future studies and encourage clinicians to discuss these outcomes in parent counseling.

Walter W Chen MD, PhD



Investigation of Uncharacterized Human Proteins Associated with Metabolic Organelles

UT Southwestern Medical Center
Mentor: Ralph DeBerardinis MD, PhD

I am currently a first-year fellow in the Neonatal-Perinatal Medicine Fellowship Program at UT Southwestern Medical Center. My career goals are

to become a physician-scientist practicing clinical neonatology and conducting research as the Principal Investigator of a lab focused on the role of metabolic organelles in neonatal physiology and disease. Metabolic organelles, such as mitochondria and peroxisomes, are essential for normal neonatal health and development, as evidenced by the fact that organellar dysfunction can cause lethal metabolic disorders in newborns. However, our understanding of how organelles contribute to neonatal health and disease, as well as our knowledge of the proteins that contribute to organellar function remains incomplete. Driven by my desire to further our understanding of organellar biology, I have spent the last 10 years investigating the biology of metabolic organelles and developing new tools that have allowed researchers to directly study the metabolic changes occurring within these incredible structures. More recently, I have developed and initiated a research project in Ralph DeBerardinis' lab at UT Southwestern Medical Center to study previously uncharacterized human proteins localized to metabolic organelles with the ultimate goal of improving care delivered to sick neonates. As a first-generation trainee in a family with no previous doctors or scientists, I am grateful and excited to have the opportunity to both care for neonates and discover neonatal biology, and am very thankful to receive the support from the Marshall Klaus Research Award.

Abstract: Metabolic organelles (e.g., mitochondria, peroxisomes) play critical roles in neonatal physiology and consequently organellar dysfunction can cause lethal metabolic disorders in newborns. However, our knowledge of the proteins that contribute to organellar function and neonatal health and disease remains incomplete. With increased genomic sequencing being used in NICUs to influence clinical care and revolutionary forms of gene therapy on the horizon, it has become increasingly important to understand what uncharacterized organellar genes/proteins do so as to interpret genetic variants in relation to neonatal disease. To that end, I have undertaken a multifaceted approach utilizing experimental proteomics, as well as clinical genomics and metabolomics, to identify uncharacterized human proteins associated with metabolic organelles for further study. Using this strategy, I have already identified numerous candidates and have begun successfully characterizing them using biochemical, metabolic, and cell culture approaches that will be complemented by mouse models. I believe that this work will improve both our understanding of neonatal biology and the care delivered to sick neonates.

Alissa M D’Gama MD, PhD



Advancing Molecular Genetic Diagnosis in Early Onset Epilepsy

Boston Children’s Hospital
Mentor: Annapurna Poduri MD, MPH

My clinical interests in neonatology and my research interests in developmental neuroscience and human genetics and genomics were sparked in high school - the

former when I volunteered in my local NICU, and the latter when my band teacher’s infant daughter was diagnosed with Rett Syndrome. Over the past decade of training, I have become passionate about using translational genetics and genomics to help infants with genetic disorders, especially infants with early onset epilepsy. My career goal is to become an academic physician-scientist with clinical expertise in neonatology and an independent research program focused on translational early onset epilepsy genetics and neonatal genomics. During my PhD training in neurogenetics in the laboratory of Dr. Christopher Walsh at Boston Children’s Hospital, I made significant discoveries on the role of germline and somatic mutations in early onset epilepsy and autism. I also worked directly with patient samples for the first time and had the inspiring opportunity to see the discoveries I made at the bench impact patients and their families at the bedside - and to recognize that much research was still needed. During my clinical training, I have witnessed the long and hard journey for infants who present with seizures and are diagnosed with epilepsy, the majority of whom do not receive a genetic diagnosis until “too late” in life or at all. I am honored and humbled to receive the Marshall Klaus Award to support my fellowship research on early onset epilepsy genetics in the laboratory of Dr. Annapurna Poduri. This award will support my growth into a well-rounded physician scientist and prepare me to successfully transition to research independence.

Abstract: Epilepsy is a common and often debilitating disease with highest incidence in the first year of life (1:1000 live births). Early onset epilepsy contributes to significant morbidity and mortality, and treatment with anti-seizure medications remains empiric. One-third of children with epilepsy develop medically refractory epilepsy, for which surgery remains the only potential cure. Early precision genetic diagnosis is critical to inform early changes in management and the development of urgently needed precision therapies, with the goal of reduced or eliminated seizures and improved neurodevelopmental outcomes. However, the utilization and timing of genetic testing is variable, and many infants with epilepsy do not

receive a genetic diagnosis until “too late” in life or at all. The goal of this project is to advance early and rapid molecular genetic diagnosis for infants with epilepsy and to evaluate the impact of genetic diagnoses on outcomes. First, as the US site of the Gene-STEPS (Shortening Time to Evaluation in Pediatric epilepsy Services) study, a multi-institutional study of the International Precision Child Health Partnership, we are enrolling a prospective cohort of infants with incident epilepsy and performing clinical rapid trio genome sequencing to identify pathogenic germline variants. Second, building on my PhD research, we are using innovative diagnostic methods to identify pathogenic mosaic variants. Finally, we are abstracting comprehensive demographic and phenotypic data and performing developmental assessments for each infant to analyze the impact of genetic diagnoses on clinical management and outcomes.

Neema K Pithia MD, MS



Unraveling the Role of IL-1 and TNF signaling in Macrophage-Mediated Immunity during IUI

The Regents of the University of California

Mentor: Suhas Kallapur MD

I am currently a first-year fellow at UCLA. My long-term career goal is to become an

independently funded investigator and physician-scientist. I hope to continue to study the effects of inflammation on the neonate through translational models that can be brought back to the bedside and have a lasting impact on neonatal health outcomes. I have had varied research experiences thus far in my career. As an undergraduate, I studied the utility of novel radiopharmaceutical agents in animal models. Through this research, I learned the basic fundamentals of scientific reasoning and laboratory techniques. During my pediatric residency, I developed my interest in neonatology. I designed a pilot randomized control trial examining the use of human milk-based diets in the NICU. Through this grant-funded study, I learned the basics of scientific design and successful trial execution. Additionally, as a resident, I performed a single-site prospective study investigating racial disparities in breastfeeding. My publication of this research taught me valuable lessons in scientific dissemination. As a fellow, I joined the lab of Dr. Suhas Kallapur to study inflammation and preterm birth through animal models with translational potential. This experience will allow me to combine my prior laboratory knowledge with the clinical research skills I acquired in residency. Support from the Marshall Klaus Award will help me to acquire the necessary training, experience, and knowledge to become an independent physician-scientist investigating the multiple pathways in which perinatal inflammation affects long term neonatal outcomes.

Coding Questions

Scott D Duncan MD, MHA, FAAP

A 33-week 1700g infant is born to a 27 year-old G1, now P1 woman via vaginal delivery after PPRM for 36 hours. The mother was treated for an *E.Coli* UTI in the second trimester. Mother had received steroids prior to delivery for threatened preterm labor at 32 weeks. Following delivery, the infant was admitted on assisted ventilation. Due to the radiographic appearance of the chest and history of PPRM, the infant received seven days of antibiotics. By the third day of hospitalization, the infant had weaned to CPAP, and transitioned to room air by DOL 10. Her continuing hospitalization was related to feeding difficulties.

On DOL 34, the infant became acutely ill, requiring intubation, assisted ventilation and pressor support. A septic workup was performed, including an LP. Due to progressive respiratory failure, the infant was transferred to the level IV NICU on DOL 35, managed by a different neonatology group in a different hospital system. Blood and CSF cultures were positive for GBS at the time of transfer.

On the date of transfer, the appropriate CPT Coding for the receiving neonatologist would be:

- A. 99291
- B. 99471
- C. 99472
- D. 99468

Correct ICD-10 coding would include all the following, except:

- A. A40.1 Sepsis due to streptococcus group B
- B. G00.2 Streptococcal meningitis
- C. P36.0 Sepsis of newborn due to streptococcus, group B

Abstract: Preterm birth is a significant problem that affects babies worldwide. Evidence suggests that up to 40% of preterm birth is caused by intrauterine infection (IUI) which triggers an inflammatory process in both the mother and fetus. Although much is known regarding the activity of neutrophils and other cells in IUI, less is known about macrophages. Traditionally, the macrophage assumes M1 and M2 polarization which is either pro- or anti-inflammatory. Recent evidence has suggested that the macrophage in pregnancy does not fit into the aforementioned categories as neatly as assumed. Therefore, the macrophage deserves further investigation as a possible target for anti-inflammatories in the prevention of preterm birth. In order to further classify the role/function of the macrophage in pregnancy we will use a strong translational animal model, the Rhesus macaque. Our lab has preliminary data supporting the similarities of this model to humans. IL-1 and TNF signaling, as well as gene expression profiles, will be essential to our understanding of macrophages. Overall, these studies will define molecular changes in macrophages during IUI and how IL-1 and TNF signaling controls macrophage activation and function. The results will lay the foundation for future biomarker discovery and potential therapeutic approaches for IUI.

Meaghan A Ransom MD, MPH



The Role of Extracellular Vesicles in Lung Development

Vanderbilt University Medical Center

Mentors: Jennifer Sucre MD and Heather Pua MD

I am honored to receive the generous support of the Marshall Klaus Award, which will help further my long-term career goals of pursuing translational research designed

to prevent and improve outcomes for neonates with bronchopulmonary dysplasia (BPD). Inspired by my work as a resident researching lung development and lung injury in Dr. Jennifer Sucre's lab, I designed and conceived this project and its study design under the mentorship of Drs. Jennifer Sucre and Heather Pua. Extracellular vesicles (EVs) have a crucial role in transfer of molecular contents and cell communication. Defining the role of EVs in lung development and lung injury will identify a potential biomarkers and therapeutic targets to aid in the diagnosis and management of BPD. Successful completion of this project will provide rigorous training in working with human samples, study design, data collection and analysis, scientific writing, and a variety of laboratory techniques including nanoparticle tracking analysis, flow cytometry, western blot, electron microscopy and murine

cannulation for BAL collection. The Marshall Klaus Award provides invaluable support of my project to allow me to further develop the skills needed to continue to pursue translational research that benefits the long-term health and survival of neonates.

Abstract: My research focuses on the role of extracellular vesicles (EVs) in lung development and injury. We know that exposure of the vulnerable developing lung to environmental insults associated with preterm birth (e.g., hyperoxia, inflammation, and mechanical stretch) results in arrested lung development. There exist significant knowledge gaps regarding how the alveolar cells of the lung communicate during normal lung development and in the setting of injury after preterm birth. EVs are one such way cells likely communicate throughout lung development and can be isolated from biological fluids, including tracheal aspirates and bronchiolar lavage fluid (BAL). While little is known about the role of EVs in lung development, EVs generally have been identified as important mediators of cellular communication and potential vehicles for transfer of molecular contents. When EVs are released, their cargo is delivered to target and processes such as coagulation, inflammation, apoptosis, angiogenesis and proliferation are mediated through this communication. My prior published research during residency (mentored by Dr. Jennifer Sucre) identified a role for increased Wnt signaling in the development of BPD after hyperoxia injury, and EVs are believed to be the primary method that cells use to package and secret Wnt ligands. In addition, prior work studying EVs and our preliminary data suggest developmental changes in the EV profile during normal lung development and in the setting of lung injury. We hypothesize that as mediators of cell signaling, EVs have a distinct surface marker and cargo profile that is developmentally regulated and that saccular stage lung injury results in an enrichment of vesicles carrying Wnt ligands, contributing to the development of BPD. To accomplish this work, tracheal aspirates will be collected from intubated premature neonates and BAL will be collected from our mouse model of saccular stage injury for further analysis using nanoparticle tracking analysis, flow cytometry, western blot and electron microscopy. Through this work, we seek to make meaningful contributions to the literature on our understanding of BPD with the ultimate goal of leveraging EVs as potential therapeutic targets in BPD.

Ellen M Schill MD, PhD

Impact of Maternal Antibiotic Treatment on Murine Neonatal Sepsis via Goblet Cell-Associated Antigen Pathways

Washington University in St. Louis

Mentor: Rodney Newberry MD

Over my research and medical training, my goal has been to identify problems at the bedside to bring back to the bench to understand

the pathophysiology and elucidate novel strategies for treatment or prevention. As a teenager newly diagnosed with inflammatory bowel disease, I was astonished to learn that even in 2006, my physicians could not explain the cause of my disease or how the medications I was prescribed targeted the diseased cells. This realization of how much medical science remained undiscovered inspired me to pursue a dual MD/PhD degree. In my two years as a neonatal-perinatal medicine fellow at Saint Louis Children's Hospital, I have frequently been faced with the risk/benefit analyses neonatologists must make as we care for premature infants. Of particular interest to me has been the association of broad-spectrum antibiotic early exposure with the risk of late onset sepsis, necrotizing enterocolitis (NEC), and increased mortality among premature infants. Premature infants are frequently exposed to broad spectrum antibiotics antenatally and in the first days of life due to the concern for infection contributing to preterm labor and the tenuous clinical status of extremely premature neonates. While risk stratification has been successful in reducing antibiotic exposure for term infants, the overlap in clinical presentations of prematurity and sepsis, the unavailability of biomarkers for infection, and the fragility of premature infants complicate a similar risk stratification strategy for premature infants. Understanding the mechanisms by which early exposure to antibiotics increases the risk for adverse outcomes is critical to optimize the benefits and minimize risks of antibiotic therapy in premature infants. My background in intestinal developmental biology and current focus on intestinal immunology positions me well to study the mechanisms by which antibiotics increase the risk for sepsis, NEC and mortality, and identify novel treatments to co-administer with antibiotics. This would facilitate normal development of intestinal immune homeostasis while still treating the infant for sepsis, thereby reducing risks while preserving benefits.

Abstract: Antepartum antibiotic prophylaxis is the standard of care for women colonized with Group B Streptococcus (GBS) or those with other risk factors for infection including premature rupture of membranes,

preterm labor, or chorioamnionitis. While these guidelines have decreased the rate of early onset sepsis (serious bacterial infection diagnosed in neonates less than 72 hours of age) caused by GBS, recent studies suggest that intrapartum antibiotics may increase the risk of sepsis caused by gram negative organisms, especially in premature neonates. Additionally, maternal antibiotic treatment (MAT) disrupts the development of the neonatal microbiome and intestinal immune development and increases susceptibility to sepsis in mouse models. Understanding the mechanisms by which MAT disrupts neonatal intestinal immune function will facilitate the development of novel strategies to reduce neonatal sepsis risk and promote healthy intestinal immune development in neonates exposed to antibiotics.

Intestinal goblet cell-associated antigen passages (GAPs) are portals for physiologic exposure of the immune system to commensal gut bacteria. GAPs are induced by acetylcholine (ACh) acting on the muscarinic ACh receptor 4 (mAChR4) expressed on goblet cells. GAPs are inhibited by epidermal growth factor receptor (EGFR) signaling, induced by luminal EGFR ligands, or transactivated by sensing of the adult gut microbiota. GAP inhibition by EGFR ligands and the mature microbiota underlies the homeostatic pattern of GAPs over time. Colonic GAPs are closed prior to postnatal day (P) 10 in mice when luminal EGF levels from breast milk are high. From P10 until weaning, colonic GAPs are open. At weaning, goblet cells sense mature gut microbiota which transactivates the EGFR via pattern recognition receptor signaling to inhibit colonic GAPs. Small intestinal GAPs open later in the preweaning period, due to the higher luminal levels of EGF in the small intestine and remain open throughout life due to lower goblet intrinsic microbial sensing of the gut microbiota. However, when colonic GAPs are opened inappropriately due to low levels of EGF prior to P10 or dysbiosis of the gut microbiota after weaning, they can facilitate pathological bacterial translocation causing intestinal inflammation and sepsis. We found that pups of dams treated with ampicillin and neomycin in their drinking water from pup P1-8 had significantly more open GAPs in the small intestine compared to controls. These data suggest that MAT creates a permissive environment for small intestinal GAPs in the neonatal period, significantly earlier than they open in unperturbed intestinal development. Additionally, pup weight and blood glucose levels were recorded at time of sacrifice. MAT pups weighed significantly less and were significantly hypoglycemic compared to pups from control dams. However, after weaning, MAT pups recover to a normal weight. These data suggest that MAT pups are subject to decreased levels of EGFR ligands in the breast milk and/or intestinal environment, leading to stunted growth and opening of GAPs in the neonatal period.

Stephanie Y Tung MB BCh, BAO, MSc

Long-Term Immune Dysregulation Associated with Bronchopulmonary Dysplasia and Therapeutic Effects of Mesenchymal Stromal Cell-Derived Extracellular Vesicles

Boston Children's Hospital
Mentor: Stella Kourembanas
MD



Prior to pursuing medicine as a career, I had a strong interest in immunology and pursued a Master's of Science degree studying mechanisms of glucocorticoid resistance in leukemia. During my graduate research, I quickly realized the value of utilizing basic science research principles and techniques to answer clinically important questions, which ultimately drew me to medicine. During my pediatric residency, I discovered a passion for caring for critically ill neonates and now I am a second-year neonatology fellow at Boston Children's Hospital. I joined Dr. Stella Kourembanas' lab due to her expertise in the field of bronchopulmonary dysplasia (BPD) research and the cutting-edge development of mesenchymal stromal cell derived extracellular vesicles (MEx) as a novel therapeutic for BPD. To date, there have been no effective therapies for BPD or any of its long-term complications. The project that I will be completing combines both my research background in immunology with my clinical interest in BPD and will investigate the long-term immunologic effects of BPD, its role in mediating long-term pulmonary complications and the

therapeutic effects of MEx. I believe this project will not only help further our understanding of the pathogenesis of BPD complications and its links to the immune system but also help develop clinically applicable therapeutics. The Marshall Klaus Award will both help fund the completion of this project and help support my career development towards becoming a clinician-scientist.

Abstract: Bronchopulmonary dysplasia (BPD) remains a significant cause of morbidity in preterm infants despite decades of advancement in neonatal care and they remain at risk for long-term pulmonary complications such as respiratory viral infections and asthma. There is still very little that is understood about the pathogenesis of long-term BPD pulmonary complications, however, there have been some links with adaptive immune dysfunction. Our lab has demonstrated that neonatal hyperoxia exposure in the murine model of BPD results in disruption of T cell development in the thymus and subsequent changes in distinct T cell populations. Disruption of T cell development during the critical neonatal period could lead to immune dysregulation and increased susceptibility to asthma. To date, there is still no effective treatment for BPD or any of its long-term complications. Mesenchymal stromal cell-derived extracellular vesicles (MEx) have demonstrated immunomodulatory effects and protection from perinatal injury in multiple preclinical models of neonatal disease including BPD. This study builds on trying to understand the pathogenesis of long-term complications of BPD and developing new therapeutic avenues such as MEx to help with prevention. The overall goal of the project is to investigate the long-term immunologic consequences of neonatal hyperoxia and the therapeutic potential of MEx using a double hit

Coding Answers**Scott D Duncan MD, MHA, FAAP**

First question correct answer is B. 99471 is an initial E&M code for critical care of the infant or young child, 29 days through 24 months of age. Because this represents a transfer of care by a different neonatology group and different hospital system, the receiving physician would use the global daily code. The *AMA CPT Professional Edition, 2022*, pg. 59, notes, "When critical care services are provided to neonates or pediatric patients less than 6 years of age at two separate institutions by an individual from a different group on the same date of service, the individual from the referring institution should report their critical care services with the time-based critical care codes (99291, 99292) and the receiving institution should report the appropriate initial day of care code 99468, 99471, or 99475 for the same date of service." Thus, the referring neonatologist would use the 99291-99292 code set, where 99291 represents the first 30-74 minutes and 99292 is used for each additional 30 minutes. The referring neonatologist would not use the global critical care charge for this patient, 99472, ongoing critical care for an infant or young child, 29 days through 24 weeks of age. National Correct Coding Initiative edits prohibit the use of two critical care global codes on the same date of service. Likewise, 99468 is incorrect as the patient is outside the age range of less than 28 days for the use of this initial critical care code.

Second question correct answer is C. While the codes in the P chapter of ICD-10 are the ones that neonatologists are most familiar with, their use is limited to conditions that have their origin in the fetal or perinatal period, that is occurring before birth through the first 28 days after birth, even if the morbidity occurs later. A40.1 and P36.0 have a type 1 exclusion, which means they should never be used together.

murine model combining neonatal hyperoxia followed by allergic asthma induced by house dust mite exposure. We hypothesize that neonatal hyperoxia results in long-term T cell dysfunction that increases susceptibility to asthma, which is reversible with MEx treatment. This project will not only help further our understanding of the impacts of BPD on long-term immunity but also help develop treatments to prevent long-term pulmonary complications of BPD and ultimately decrease morbidity in preterm infants.

John T Wren Jr MD, PhD



Spatial Exposure of the Bacteroides fragilis Toxin and its Effects on Colonic Epithelial Proliferation, Differentiation, and Predisposition to Disease

Washington University in Saint Louis

Mentor: Juliane Bubeck-Wardenburg MD, PhD

I am honored to receive the support of the Marshall Klaus Award, which will contribute

to my goal to become a successful physician-scientist. My academic, research, and medical training to date have guided me towards a career of academic discovery. Specifically, as our neonatal survival rates continue to improve with advances in medical care and technology, I believe that it is becoming increasingly important to investigate and understand how sentinel events in the newborn period contribute to an ongoing predisposition to significant disease later in life. My key question revolves around one of these sentinel events: How and why the initial microbial acquisition that occurs immediately after birth can predispose to future health and disease states in our infants. Under the direction of my mentor, Dr. Juliane Bubeck-Wardenburg, I have begun to investigate how a specific toxin-bearing model organism (*Bacteroides fragilis*) can alter the host microenvironment to induce both acute disease and, more significantly, an ongoing predisposition to chronic inflammatory conditions including inflammatory bowel disease and colorectal cancer. Due to these interests, I am committed to pursuing a career in academic medicine and aim to use my fellowship research to hone my skills in cell culture, bacterial genetics, and cell signaling pathways. This project will provide the basis to establish a career of scientific discovery that can continue to be applied to a range of enteric disease states and predispositions affecting our most vulnerable newborns.

Abstract: As neonatal survival continues to improve, it is increasingly important to investigate how events in the newborn period can predispose to future health and disease states. Mounting evidence indicates that the

initial exposure of the neonatal gut to the microbiome is a sentinel event. *Bacteroides fragilis* is an early colonizer of the neonatal gut and acts as either a commensal promoting intestinal homeostasis or a pathogen capable of causing both acute and chronic diseases. This stark dichotomy is mediated by a secreted effector termed *B. fragilis* toxin (BFT) produced exclusively by strain variants of enterotoxigenic *B. fragilis* (ETBF) that has been thought to act exclusively in the intestinal lumen. The effects of toxin exposure are non-lethal but myriad including colonic epithelial crypt hypertrophy, goblet cell hyperplasia, a pro-inflammatory cascade, and cleavage of cadherins - a family of cell adhesion molecules linked to cell signaling pathways. Using a vertical transmission model, our laboratory recently identified the novel findings that 1) ETBF, in a BFT-dependent manner, resides both in the colonic lumen as well as the lamina propria (LP) and 2) BFT in the LP is sufficient to induce microscopic disease in ETBF-colonized mice. Upon this basis, we hypothesize that ETBF-driven disease and disease predisposition is mediated by early life access of BFT to this privileged microenvironment of the LP wherein toxin can 1) alter cell-specific proliferation and differentiation signals and 2) interact directly with a novel cadherin-subtype unexposed to bacteria within the colonic lumen. This study offers a potential mechanism to begin to explore whereby early-life neonatal microbial exposure can contribute to long-standing disease predisposition.

Health Services Research Awardee



Timothy D Nelin MD

Chronic Lung Disease and Environmental Air Pollution-Associated Respiratory Outcomes

Children's Hospital of Philadelphia
Mentor: Heather Burris MD

I aim to live my life as a compassionate and thoughtful physician-scientist who

understands that medical problems do not always begin at hospital admission and end at discharge. Our patients are influenced by socioeconomic and racial inequalities that permeate all aspects of society. In my career, I plan to build on the important work done by those who came before me to create better outcomes for our patients. I aim to develop a specific focus exploring how environmental exposures affect both short- and long-term outcomes in infants with BPD. Through this project, I will study the relationship between markers of neighborhood social vulnerability and exposure to environmental air pollutants, specifically PM_{2.5}, and healthcare utilization in infants with BPD. I hope to continue this work to

better understand risk factors for adverse respiratory and developmental outcomes in these infants and ultimately improve long-term outcomes for our infants after hospital discharge.

Abstract: Bronchopulmonary dysplasia (BPD) is the most common chronic complication of preterm birth. We will address our hypothesis that air pollution is associated with BPD exacerbation after discharge from the hospital. In a cohort of infants who met criteria for BPD at 36 weeks post-menstrual age, we will identify risk factors associated with BPD exacerbations, defined for the purpose of our study as an emergency department visit or hospital readmission for acute respiratory illness in the first year after hospital discharge. Further, we aim to examine the relationship between air pollution exposure, specifically particulate matter $<2.5\mu\text{m}$ in diameter (PM_{2.5}), and BPD exacerbations in a cohort of infants born in the Philadelphia region who follow-up within the Children's Hospital of Philadelphia (CHOP) and Penn Health Networks. The initial identification of risk factors associated with BPD exacerbations, including air pollution exposure, will be pivotal to inform a larger study within the BPD Collaborative in which CHOP participates. The focus of our larger study will be to determine the extent to which environmental factors – both social and physical – contribute to the observed high morbidity burden and healthcare utilization among Black and low-income infants from a more geographically diverse population.

Newborn Medicine Education Awardee



Cara Beth Carr MD

Development and Evaluation of a Neonatal POCUS Curriculum

UH Rainbow Babies and Children's Hospital
Mentor: Allison Payne MD

I am a second-year neonatal-perinatal medicine fellow at University Hospitals/Rainbow Babies and Children's Hospital. My primary research interest

is medical education, with an emphasis on simulation and curriculum development. To gain formal training on educational strategies and evaluation methods, I am obtaining a certificate in medical education through the University of Cincinnati with the intention of continuing my studies in their Master of Education program. I recognized my interest in curriculum development during medical school, where I served as a student representative on the committee restructuring our basic science curriculum. It was also during medical school that I developed my first curriculum, focusing on sexual health and relationship education for teens. Through the Medical Education Track as a pediatric resident at Rainbow, I had the opportunity

to delve deeper into a wide variety of medical education topics including teaching strategies, feedback, and evaluation. During residency, I assisted in an initiative to develop and assess a new visual educational tool used in our antenatal consultations. Through these early experiences, I solidified my career goals as a clinical educator in academic medicine. My interest in simulation led me to become an instructor through the Neonatal Resuscitation Program, and I am currently developing a neonatal resuscitation curriculum to improve resident and fellow knowledge, competency, and comfort with advanced resuscitation skills through mock codes. When I identified the knowledge gap in our division regarding point-of-care ultrasound (POCUS), I immediately knew I wanted to play a role in addressing this problem with the help of my mentor, Dr. Allison Payne. Over the past year we have developed our institution's first neonatal-specific POCUS curriculum, as well as concurrently developing a neonatal phantom simulation model to practice umbilical catheter localization with ultrasound. This project is the perfect marriage of my two passions – simulation and curriculum development/evaluation.

Abstract: Although the use of pediatric point-of-care ultrasound (POCUS) has been steadily increasing over recent years, neonatal-specific POCUS training is highly variable among neonatal departments. Many institutions currently provide no formal ultrasound training for neonatal indications. Within our own institution, there is no ultrasound training offered for neonatal-perinatal medicine (NPM) providers, and the ultrasound training in other departments is often peer-to-peer or addresses primarily non-neonatal indications. To ensure consistency, confidence, and competency across all providers in our division, a comprehensive POCUS curriculum should be available for all NPM providers who would like to use ultrasound at the bedside. The overall goal of this medical education project is to address the current knowledge gap in our division by providing POCUS education and simulation opportunities through a formal curriculum, with an emphasis on neonatal-perinatal medicine fellow education. A targeted needs assessment performed within our division demonstrated a strong interest in POCUS training and identified the educational needs and perceived barriers. The curriculum consists of didactics, as well as hands-on practice with ultrasound phantoms, to best address the educational objectives and barriers identified by our needs assessment. We are developing a low-fidelity umbilical venous catheter (UVC) phantom model to allow our learners to practice locating UVC tips in a simulated environment prior to bedside practice. Learner attitudinal and cognitive objectives, as well as provider change of practice (implementation of skill) will be assessed after participation in the POCUS curriculum.

2022 Section on Neonatal-Perinatal Medicine Award Recipients

Each year, the SONPM honors the outstanding clinicians, researchers, educators, leaders and visionaries in Neonatal-Perinatal Medicine. Candidates for the Apgar Award, the Avroy Fanaroff Education Award, and the Landmark Award are nominated by their colleagues and peers in neonatology. After thoughtful discussion and deliberation, the 2022 recipients were chosen by the Section Executive Committee and they will be honored at the Section Program at the AAP NCE in Anaheim, CA on Saturday, October 8, 2022.



2022 Apgar Awardee Dr. Wanda Barfield

The Virginia Apgar Award represents the highest honor that our Section bestows to an individual whose cumulative career accomplishments have had a profound and continuing influence on the well-being of neonates. **Wanda Barfield** is the 2022 Virginia Apgar Award recipient. Dr. Barfield will be presented with the Apgar Award by her main nominator, De-Ann Pillars.

bestowed upon an individual in recognition of outstanding contributions to the dissemination of knowledge in Neonatal-Perinatal Medicine for health care students, professionals or the lay public. **Lou Halamek** has been selected as the 2022 Avroy Fanaroff Education Award recipient. Clara Song will present him with his award.

The Avroy Fanaroff Education Award is



2022 Education Award Recipient Dr. Lou Halamek

The Landmark Award has been given annually since 2001 in recognition of a distinct, seminal contribution in a specific area of neonatal-perinatal medicine. The 2022 Landmark Award will be presented by Jonathan Davis to **Jacob Aranda**.

Congratulations and thank you to our 2022 Section Award winners for their immense contributions to our field. Please join us in Anaheim, CA on October 7-9, 2022 for our Section Program where these award winners will be honored.



2022 Landmark Awardee Dr. Jacob Aranda

Vermont Oxford Network Celebrates a Third of a Century at the 2022 Annual Quality Congress

In 1987, Avery and colleagues investigated variation in practice and outcomes at eight academic NICUs, suggesting that the use of early CPAP and avoidance of invasive mechanical ventilation might explain the low rate of chronic lung disease at Columbia University where these practices were adopted. Inspired by this observation, Vermont Oxford Network was born in 1988 with systematic data collection at 11 NICUs in the US, Canada, and England demonstrating significant variation in risk-adjusted survival and survival without chronic lung disease among the units.

A third of a century later, VON consists of teams from more than 1,400 newborn units in 38 countries working together to improve the health and well-being of infants and families around the world. VON members' dedication to improving the lives of all infants and families continues to inspire changes in practices and transform neonatology.

With the theme of "Inspiring Change" and a keynote from Dr. Wanda Barfield, the 2022 Annual Quality Congress will address the areas of care in the NICU and beyond that need to change to give all infants and families their best start to life, including ideas for change that can be applied in local care settings and the necessary skills in quality improvement for implementing effective changes.

The Annual Quality Congress will be September 8-11, 2022 in Chicago, IL. More information is available at <https://public.vtoxford.org/annual-quality-congress>.

Upcoming "All Care is Brain Care" QI Collaborative Focuses on Thriving Beyond Survival

As neonatology has substantially improved survival rates over the years, it is more important than ever to approach clinical care through a neuroprotective lens and safeguard the full potential of each infant.

Teams participating in Vermont Oxford Network QI Collaboratives in 2023 will strive to improve care and outcomes for infants by addressing clinical care in ways that prevent injury, protect normal maturation and development, and promote positive experiences and relationships. Learn more and get involved at <https://public.vtoxford.org/quality-education/inicq>.

Focus on Global Health: AAP SONPM Partners with the Ethiopian Pediatric Society to Address Delayed Cord Clamping

Sharla Rent MD, FAAP

Jameel Winter MD, FAAP

Angee June MD

Carl Bose MD, FAAP

Danielle Ehret MD, MPH, FAAP

Bogale Worku MD

The Ethiopian Quality Improvement (QI) ECHO (Extension for Community Healthcare Outcomes) Initiative is a year-long project developed by the American Academy of Pediatrics (AAP) Section on Neonatal Perinatal Medicine (SONPM) Global Health Subcommittee and the Ethiopian Pediatric Society (EPS) in response to the *Expand Implementation of Project ECHO* portion of the AAP-Laerdal Foundation grant. Project ECHO is a telementoring program that fosters collaboration and education by combining brief lectures and interactive, bi-directional, case-based learning.

The goal of the Ethiopian QI ECHO Initiative was to use the ECHO platform to promote the translation of Helping Babies Survive (HBS) training into practice in Ethiopian hospitals by identifying gaps in the quality of essential newborn care and supporting projects to close these gaps. In 2020, the EPS and the AAP SONPM Global Health Subcommittee launched a QI partnership aimed at improving evidence-based care practices in select birthing facilities in Addis Ababa, Ethiopia, with an initial focus on delayed cord clamping (DCC). Delayed cord clamping (DCC) has been shown to improve newborn outcomes by increasing the volume of blood transferred from the placenta to the infant and by allowing time for physiologic transition.¹ Recommendations from the World Health Organization dictate DCC for 1-3 minutes after birth in vigorous infants.² Despite this guidance, the practice of DCC has not yet been adopted in many resource-constrained settings.

Eight facilities were selected by the EPS to participate in this QI initiative. A midwife was identified at each site to serve as the site leader and QI coach. Site leaders were paired with a US team, consisting of a SONPM member and neonatology fellow. Each site set an aim that was Specific, Measurable, Achievable, Realistic and Timebound (SMART) for local improvement in DCC. Monthly virtual meetings were held to focus on QI training, peer learning, and site-specific progress and challenges. DCC data were recorded prospectively through direct observation, utilizing the Liveborn Mobile Application by Laerdal Research.³ Teams tracked progress toward their SMART aim using run charts.

The timing of DCC in over 3500 deliveries across the eight sites was observed from March 2021 to January 2022. All sites met their SMART aim targets, which ranged from rates of 50% to 90% for DCC. Baseline rates ranged from 7% to 72%, with six of the eight sites having initial DCC rates at or below 50%. By January 2022, six sites had DCC rates above 90% with all sites having sustained rates above 50%. A combined analysis of all sites included over 3500 observed deliveries and an end-of-project DCC rate above 90% (Figure 1).

Secondary aims of this project were to test the benefit of utilizing a virtual platform to connect US neonatologists with efforts to improve the care of newborns in low- and middle-income countries (LMICs), and to provide a novel means of global health engagement for fellows in neonatal-perinatal medicine. Post-program surveys from Ethiopian coaches revealed that all eight coaches plan to continue their QI work, felt comfortable sharing their ideas for newborn care with their teams, and found value in this collaborative project. US neonatology fellows who participated in the program highlighted benefits such as mentorship by US and Ethiopian global health leaders, networking, and being part of a project that modeled equitable global health practices. Future post-program analysis will consist of focus groups of the Ethiopian coaches and the US trainees.

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The Ethiopian QI ECHO Initiative serves as a model for successful global QI partnership via a virtual platform. This work by the AAP SONPM Global Health Subcommittee and the EPS demonstrates how increased rates of an evidence-based practice, such as DCC, can be achieved via this collaborative team approach. Further investigation into the critical aspects of this successful model of a multidisciplinary international QI collaborative are warranted given the opportunities for improvement, scalability, and impact.

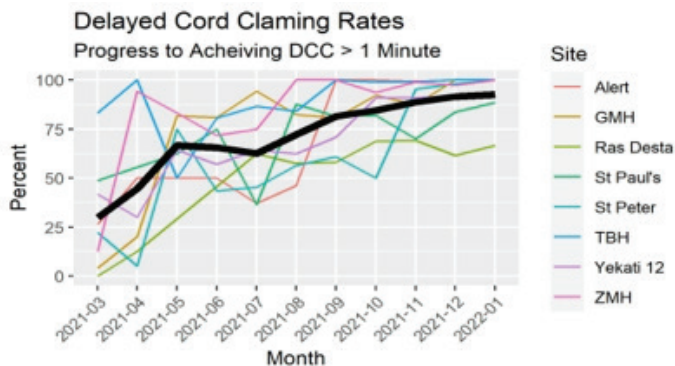


Figure 1: Outcome data across delivery room sites. Aggregated data represented by the bold black line with individual site data represented by the thin colored lines. GMH = Gandhi Memorial Hospital, TBH = Tirunesh Beijing Hospital, ZMH = Zewditu Memorial Hospital.

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The Importance of History

Sergio G Golombek MD, MPH, FAAP Chair, SONPM History Committee

I have been a neonatologist for several decades. It still surprises me (and hurts me!) that, while we are doing rounds, the “younger generations” (residents and fellows) have no idea of who made our wonderful specialty what it is today. It amazes me that we could be talking about CPAP, and they have never heard of George Gregory; that we talk about surfactant (a “given treatment” for this generation) and they don’t remember Drs. Avery and Clements. Even worse, they know there is an Apgar score, but nothing about Virginia Apgar! Michael Crichton,

American author and filmmaker, wrote, “If you don’t know history, then you don’t know anything. You are a leaf that doesn’t know it is a part of a tree.”

Our neonatology “tree” has lots of branches! The AAP Section of Neonatal-Perinatal Medicine started, many years ago, to interview Apgar awardees.

The Virginia Apgar Award recognizes an individual in the field of perinatal pediatrics who has contributed to the AAP mission of excellence in patient care, research or teaching.

We need to be sure that the Apgar awardees are remembered, respected, and that our younger physicians know who they are. Marcus Garvey, Jamaican political activist, publisher, journalist, entrepreneur, and orator, was quoted as saying that, “A people without knowledge of their past history, origin, and culture is like a tree without roots.”

It is certainly not easy to be an Apgar awardee. B.C. Forbes wrote, “History has demonstrated that the most notable winners usually encountered heartbreaking obstacles before they triumphed. They won because they refused to become discouraged by their defeats.” Lots of sacrifices were made by them, but they kept on going, and we need to recognize that.

Leonardo da Vinci was an Italian polymath of the High Renaissance who was active as a painter, draughtsman, engineer, scientist, theorist, sculptor and architect. He wrote the following, “It has come to my attention that people of accomplishment rarely sat back and let things happen to them. They went out and happened to things.” Many things have happened to Neonatology in the past several decades. We are fortunate to practice today, after these giants in the field. Since I was asked to fill this position by the previous History Chair, Dr. Av Fanaroff (also an Apgar awardee), we have been trying to videotape Apgar awardees describing their experiences and to interview them to see how their careers started, what made them inclined to practice intensive care of babies and how the sub-specialty evolved through their years of practice.

Rudyard Kipling, English journalist, short-story writer, poet, and novelist, wrote, “If history were taught in the form of stories, it would never be forgotten.” So, let’s keep making stories! We don’t want people forgetting how we got where we are. It is fascinating to hear our Apgar Award winners narrate their experiences. Most of their stories are available on the Section’s website.

President Theodore Roosevelt said, “The more you know about the past, the better prepared you are for the future.” Let’s keep the past, so we can keep learning for our present and future! Please join us in our effort!

TECaN EXECUTIVE COUNCIL



Anisha Bhatia, MD
Chair Update 2022

1

Advocacy

Carousel Care Campaign

2

Career Development

Job Search Panel Series
TECaN Workforce Study

3

Education

52 in 52 Journal Club
Virtual Summer Schools: QI, Global Health, Ethics

4

QI/Research

CHNC Fellowship Collaboration
Journal of Perinatology/WECaN Mentorship Program

5

Diversity, Equity, Inclusion

Representation & Equity in Neonatology Collaboration
Recruitment Toolkit for ONTPD

Newly Elected Council Members

Allison Lyle, MD, MA (Univ. of Washington)
Blair Simon, MD (Northwestern)
Theresa Urbina, DO (National Capital Consortium)
Kavya Rao, MD (Univ. at Buffalo)
John Feister, MD (Stanford)



To read more, scan QR code:

Family Centered Care Taskforce

Colby Day MD, FAAP

The newly created Family Centered Care (FCC) Taskforce is co-led by Dr. Malathi Balasundaram and Dr. Colby Day and currently consists of trainees, neonatologists, advanced practice providers, and staff from 31 centers across the nation (and one international center), as well as 13 family partners, who are passionate about integrating family-centered care into the care of neonates. The FCC Taskforce has received input from the TECaN Executive Council along with national leaders in the areas of family centered care and quality improvement.

The FCC Taskforce has strong representation from both MidCaN and WECaN members with Planning Committee Faculty Mentors including Dr. Robert White, Dr. Dharshi Sivakumar, Dr. Timothy Palmer, Dr. Joy Browne, and Dr. Michael Dunn, and with QI Mentors including Dr. Jeff Meyers, Dr. Wendy Timpson, and Dr. Henry Lee.

Our 13 family partners include: Jennifer Canvasser, Founder and Executive Director of NEC Society; Marybeth Fry, NICU Family Care Coordinator at Akron Children's Hospital, Lead Family Faculty NICQ/iNICQ with VON; Nicholas Hall, Founder and President of Graham's Foundation; Katherine Huber, Family Advisory Board at El Camino Health; Dr. Michael Hynan, Clinical Psychologist; Kristy Love, Executive Director of National Perinatal Association; Necole McRae, Founder of Free2Read Education Recovery Services; Kimberly Novod, Executive Director of Saul's Light; Meegan Snyder, Director of Premie Parent Mentor Program; Keira Sorrells, Founder and Executive Director of NICU Parent Network; Lelis Vernon, Healthcare Consultant; Michelle Wrench, NICU nurse; Molly Wylie, NICU Family Program Manager at BIDMC.

The broad aims of the Taskforce are:

1. To create networking opportunities for NICUs interested in FCC
2. To facilitate the creation of FCC committees and family partnership councils around the country
3. To educate on the importance of family integration in the NICU
4. To eventually allow for benchmarking on FCC measures between centers

The FCC Taskforce will be offering webinars on topics in family centered care every other month. The first webinar was on May 12, 2022, "Early Life Adversity in the NICU - The Critical Role of FCC" by Mary Coughlin and a family partner panel. In addition to the scheduled webinars, we plan to have monthly small cohort meetings to help participating units to build their local family partnership council and FCC committee. We have five small cohorts led by Dr. Jessica Fry and Dr. Kerri Machut, Dr. Dharshi

Sivakumar and Dr. Vargabi Ghei, Dr. Timothy Palmer and Dr. Jessica Davidson, Dr. Colby Day and Dr. Daphna Barbeau, and Dr. Malathi Balasundaram and Dr. Robert White.

If you would like to help strengthen FCC in your NICU and in neonatology, please join our task force by filling out this form: <https://forms.gle/AveCjHBd5byhge949>

Frank H. Morriss, Jr. Leadership Award

Nominations are invited for the 2023 Frank H. Morriss, Jr. Leadership Award. This award is granted in honor of Dr. Frank H. Morriss, Jr., Professor Emeritus and former Head, Department of Pediatrics, University of Iowa. The award recognizes sustained leadership in an academic setting that has resulted in improved health or well-being of children through innovation in clinical care, investigation of children's diseases and problems, advocacy on behalf of child health, or facilitation of collaborative efforts. The test of leadership shall be that one developed a new strategy, set a new course or direction, marshaled resources or people toward an effort, or found common ground among competing interests.

The award nominee should be a faculty member at an academic institution in the U.S. or elsewhere. The awardee will be expected to come to Iowa City and share the story of his or her leadership accomplishments. Previous award recipients are Duane F. Alexander, Thomas F. Boat, Edward B. Clark, Gary L. Freed, Ellen Wright Clayton, David K. Stevenson, Barbara J. Stoll, Kathryn M. Edwards, and Michael Artman. Nominations, including a nomination letter and a copy of the nominee's curriculum vitae, should be sent before August 15, 2022 to:

Michael J. Tansey, M.D.
Department of Pediatrics
University of Iowa
200 Hawkins Drive
Iowa City, IA 52242
michael-tansey@uiowa.edu

Summary of the 2022 Spring Workshop and Save the Date for 2023

Dena K Hubbard MD, FAAP, Workshop Planning Committee Chair

We made it to an in-person Workshop in 2022! We were honored to have AAP CEO Mark Del Monte kick off the 2022 Workshop and spend the weekend celebrating the Section on Neonatal-Perinatal Medicine. It was rejuvenating to see old friends, many we had not seen in two years, as well as make new connections! It was a great reminder that we can never take these friendships and opportunities to unite for granted.

The Scottsdale Workshop tradition continued with an exciting collection of speakers and topics reflecting the mission, goals, core values, and strategic plan of the Section. We capitalized on the disruption of the pandemic to update the Workshop with shorter presentations, more time for questions and answers, utilized an on-line question and answer system facilitated by the moderator, and introduced a photo booth and music in addition to the inflatable cactus ball toss.

We celebrated and welcomed Dr. Richard Polin who presented a fantastic 2022 Butterfield Lecture, "A Skeptic's View of Neonatal Medicine: Balancing Science and Art." General and breakout sessions ranged from clinical hot topics such as noninvasive ventilation (Ramanathan); multidisciplinary care model and clinical vignettes for severe BPD (Gibbs); use of probiotics in preterm infants (Patel); to career development including nurturing the physician-scientist (Maron), the credible pediatrician advocate (Dowd), life-long learning and evidence-based medicine through use of social media (Patel); management including national quality standards for NICUs and preparing for a NICU verification survey (Stark); equity in NICU outcomes and confronting structural racism in the NICU (Walker); and leadership and balancing regulatory requirements, patient safety, and healthcare economics (Hudak, Duncan, Stark).

Drs. Stephanie Kukora and Brittany Batell led the Saturday afternoon workshop, "Medical Improv for Fostering Wellness and Resilience in the Workplace." Dr. Denise Dowd concluded the conference with a prescription of inspiration, advocacy, trauma-informed care, and leadership.

SONPM Chair Dr. Lily Lou updated us on the Section's activities and member benefits. A special gala honoring award recipients from 2020 and 2021 was held on Saturday afternoon.

Thanks to Jim Couto for all his support and collaboration in our Section activities. We appreciate you so much Jim!

I would like to thank all the Planning Committee members: Dr. Krithika Lingappan; Dr. Josh Petrikin; Dr. Jose Perez; and AAP staff Susan Homerding, Erik Johnson, and Sonia Zamudio, who worked many hours through much uncertainty to organize the 2022 meeting. We know coordinating with physicians is a lot like herding cats! Thank you for your patience!

Save the date for 2023! We invite you to join us in sunny Scottsdale for the 2023 Workshop on Neonatal-Perinatal Practice Strategies at the beautiful Double Tree Paradise Valley Resort February 3-5, 2023. Good intentions that did not come to fruition for 2022, but hopefully will for 2023, include additional sessions available on-demand, sneak-peeks on social media, and fireside chats with faculty leading up to the conference. Scan the QR code to suggest topics and speakers and do it TODAY. We are already planning!



Awards Gala, Neonatology Hall of Honor, and Our History in Group Photos!

Lily J Lou MD, FAAP

Aside from the joyful fellowship of gathering in person once again, the 2022 Scottsdale Workshop on Perinatal Practice Strategies included a special SONPM Awards Gala. On a balmy southwest evening, we were able to recognize and celebrate our honorees for 2020 and 2021 Section awards in person.

Photos from the SONPM Awards Gala:





We also made two significant announcements: Firstly, a SONPM Hall of Honor will be installed in the Itasca, IL AAP Headquarters building, within the 2nd floor west conference center that bears our sponsorship acknowledgement.

Secondly, a wonderful project was unveiled—to celebrate 50 years of collaboration in hosting the Neonatology



<https://www.hcp.meadjohnson.com/s/commemorative-book-landing-page>

Fellows Conferences, the AAP worked with Reckitt Mead Johnson to create a beautiful book showcasing five decades of group photos from the MJN-sponsored national conferences, highlighting half a century of scientific advances in our field. So many giants and trailblazers in neonatology are pictured in these photos!

You can view a digital copy or get your own beautiful hardback book through this QR link:

Download your digital book
or request a free hard copy
at website location.



2022 Section on Neonatal-Perinatal Medicine Program at the American Academy of Pediatrics National Conference and Exhibition

Michael Posencheg MD, SONPM Program Chair

The Section on Neonatal-Perinatal Medicine (SONPM) is excited to announce our programming for the American Academy of Pediatrics (AAP) National Conference and Exhibition (NCE) this year. The meeting will be held in Anaheim, CA on October 7-11, 2022. The following is the programming specific to the SONPM:

Friday, October 7, 2022:

1pm to 4pm: Clinical Leaders Group meeting

4pm to 6pm: Opening Lectureship Session

- The **Thomas Cone Lectureship** will be given by Anne Schuchat formerly at the CDC
- The **Keynote Address: Gerald Merenstein Lecture** will be given by Andrea Duncan who is currently at the Children's Hospital of Philadelphia.

6pm: Opening Reception

Saturday, October 8, 2022:

Our morning session (8am to 12pm) is a joint program with the Section on Nephrology. The topic is **Renal Issues in Term and Preterm Infants**. This session will be moderated by Alexis Davis from Stanford University and Stephanie Jernigan from Children's Healthcare of Atlanta. The following is the list of lectures for this program:

- **Maturation of Renal Function – Embryology, Genetics, and Definition of Renal Failure** by Matthew Harer from the University of Wisconsin, Madison.
- **Acute Kidney Injury in Term and Preterm Infants – Baby NINJA** by Christine Stoops from the University of Alabama, Birmingham
- **Acute Interventions for Infants with AKI** by Shina Menon from Seattle Children's Hospital
- **Short- and Long- Term Outcomes in Infants with AKI** by David Selewski from the Medical University of South Carolina
- **Management of Hypertension in Preterm Infants** by Michelle Starr from Indiana University

Our afternoon program for Saturday will include the following:

- **10 Scientific Abstract Oral Presentations** chosen from those submitted to SONPM
- **Presentation of the Marshall Klaus Research Awards** by Hendrik Weitkamp from Vanderbilt University

- **SONPM Update** by Lily Lou, Section Chairperson from the University of Illinois
- **Presentation of the Virginia Apgar Award**
- **Presentation of the Avroy Fanaroff Neonatal Education Award**
- **Presentation of the Neonatal Landmark Award**

This program will be followed by a poster session for the remaining accepted abstracts submitted to our Section.

Sunday October 9, 2022

Our second joint program is being presented in conjunction with the Section on Pediatric Pulmonology and Sleep Medicine on Sunday morning from 8am to 12pm. The topic is **Recent Advances in Prevention and Management of Bronchopulmonary Dysplasia (BPD)**. This session will be moderated by Wendy Timpson from Harvard University and Emily DeBoer from Children's Hospital Colorado.

Just prior to this programming, Ravi Patel, our SONPM Abstract Chair from Children's Healthcare of Atlanta, will announce the two **Young Investigator Award** winners from the previous day.

The following is the list of lectures for this program on BPD:

- **The Changing Landscape of BPD: Current Management Controversies** by Erik Jensen from the Children's Hospital of Philadelphia
- **Outpatient Management of BPD: Updated ATS Guidelines** by Ioana Cristea from Indiana University
- **Planning for Tracheostomy and Long-Term Ventilation in Infants with BPD** by Christopher Baker from Children's Hospital Colorado
- **Diagnosis and Management of Pulmonary Hypertension in Infant with BPD** by Shazia Bhombal from Stanford University
- **Nutritional Strategies to Optimize Growth in Infant with BPD: Implications for Neurodevelopmental Outcomes** by Susan Lynch from the University of North Carolina

We are excited about our program this year and hope you will join us in Anaheim in October!

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The SONPM also wishes to thank Monique Phillips, Maria Moyano, Caitlin Schweder and Tracey Coletta for their assistance

**District I:
Wendy Timpson**

The new District I Leadership Committee held its inaugural meeting in May. **Leslie Young** (UVM), **Munish Gupta** (BIDMC), **Gina Trachmiowicz** (Maine Medical), **Matt Riezewski** (Elliot Hospital) and **Wendy Timpson** (UMass) established our initial goals to better serve the neonatologists and advanced practitioners in our district. If you are interested in joining, please reach out to wtimpson@gmail.com.

The Neonatal Quality Improvement Collaborative of Massachusetts (NeoQIC) is excited to share expansion of its Respiratory Care Collaborative to all of District I. The first in-person meeting of the expanded collaborative took place on May 18, 2022 with participation by approximately 16 different NICUs and networks. We are using collaborative QI methods including group learning, practice sharing, comparative data reports, and multisite QI initiatives to target improving respiratory care and reducing BPD. Webinars will continue throughout the year, and our next in-person meeting will be in November. If you are interested in joining this collaborative, please email **Helen Healy** (hhealy@bidmc.harvard.edu).

CONNECTICUT

*Connecticut Children's Medical Center,
Hartford*

CT Children's and UConn Health's 6th Annual Symposium on Neonatal Advances: Update on Nutrition Practices will take place on September 22, 2022.

The fellowship program graduated **Poonam Thakore**, who has taken a position at Southern Illinois Healthcare in Carbondale, IL and **Usha Prasad**, who will stay on as faculty at UCONN/CT Children's.

We welcome incoming first year fellows **Jacob Kelner** and **Nazifa Rahman**. Dr. Kelner completed medical school at Rowan University of Osteopathic Medicine and is continuing with us after finishing pediatric residency here at UCONN/CT Children's. Dr. Rahman attended medical school at Georgetown University and is completing her pediatric residency at Mount Sinai Kravis Children's Hospital in New York City.

Naveed Hussain started a nine-month hybrid teaching program collaborating with Council for International Neonatal Nurses and Nakasero Hospital in Kampala, Uganda. Six months of web-based training (March to September 2022) will be followed by a six-week onsite skills training for 50 neonatal nurses in Uganda.

Ted Rosenkrantz was invited to speak at The Maria Delivoria-Papadopoulos a Day with the Newborn symposium and gave a presentation on "Sex Differences in Hypoxic Ischemic Encephalopathy Outcomes." He also chaired a session at PAS, "Sex Differences in Neonatal Neuroprotection May Arise at the Cellular Level."

Yale-New Haven Children's Hospital

The First Year Regional Neonatal Fellow Boot Camp was successfully held again by Yale on July 14 and 15, 2022.

Mark Mercurio is stepping down as Chief of Neonatal-Perinatal Medicine this summer, but will continue as Director of the Program for Biomedical Ethics at Yale School of Medicine and Director of the Ethics Program at Yale New Haven Children's Hospital.

Shruti Gupta, Medical Director of the Yale NICU at Greenwich Hospital, was appointed to the rank of Associate Professor.

Angela Montgomery, Director of Yale's NICU follow-up program (GRAD Program), was promoted to the rank of Associate Professor.

Eliza Myers, Medical Director of the Yale NICU at Bridgeport Hospital, was promoted to Associate Professor.

Sarah Taylor, Director of Clinical Research for Neonatology, was promoted to the rank of Professor of Pediatrics at Yale School of Medicine.

Yale proudly sends three outstanding fellowship graduates out into the world! **Zaneta Forson-Dare** will be working with Community Neonatal Associates at Holy Cross Hospital in Silver Spring, MD. **Muhammad Zain-UI-Abideen** will head to Boston Medical Center as Assistant Professor of Pediatrics at Boston University School of Medicine. **Kelly Werner** will be an Assistant Professor at Columbia University, working at Morgan Stanley Children's Hospital and Lawrence Hospital in New York.

Jeff Gruen, an internationally recognized leader in the area of genetics and reading disorders, has been appointed Director of the new Yale Program for Learning Disability Research, and was elected to the American Pediatric Society this year. He was also the recipient of the Kavli Institute for Neuroscience at Yale Faculty Innovative Research Award for 2022.

Lindsay Johnston, who oversees all pediatric fellowships at Yale, was elected to the Executive Council for the Association of Pediatric Program Directors and was selected as co-Chair for the Career Development/Mentorship Focus Group for Women in Neonatology.

Caty Buck received a grant from the Doris Duke COVID-19 Fund to Retain Clinical Scientists for her work on metabolic predictors of adiposity in preterm infants.

MASSACHUSETTS

Baystate Medical Center, Springfield

We welcomed two full time physician assistants: **Danielle Hegarty**, from Yale New Haven Children's Hospital NICU, and **Josie Morrison**, a new graduate.

Mustafa Caylan and the Palliative Care team received the ELNEC Award of Excellence for promoting palliative care in our NICU. He left

in June to assume the role of full time Pediatric Palliative Care Attending at Cook Children's in Fort Worth, TX.

We congratulate **Ruben Vaidya** in his election to the Society of Pediatric Research.

Beth Israel Deaconess Medical Center, Boston

After an illustrious medical career, **Ivan Frantz III** will be retiring at the end of May 2022. Smooth sailing, Ivan!

Kristin Santoro and **Jessica Gaulton** will be joining the BIDMC faculty. Kristin, who graduated from the Harvard NPM fellowship, will continue her translational research in neonatal lung development and injury. Jessica, who completed her NPM fellowship at CHOP and has served as an attending neonatologist at Jefferson Health-Abington Hospital, has returned to Boston. She will continue her work in design thinking innovations focusing on human-centered perspectives and health equity gaps in maternal and newborn health.

We welcome two new pediatricians to our neonatal hospitalist team: **Carol Izarbe** and **Jeff Walbridge**. In addition to providing clinical support for the BIDMC service, both will support units in the Beth Israel Lahey Health system. Carol will focus her efforts at Beth Israel Deaconess-Plymouth while Jeff will provide support at Cambridge Hospital.

Alejandra Barrero-Castillero was awarded the BIDMC Translational Hub Spark Grant for her project with **Ai-ris Collier** assessing infant immunity from vaccination in pregnancy. This is a pilot study to create a data and biospecimen repository of infant blood samples and define the durability of placental antibody transfer to the fetus and newborn following vaccination in pregnancy.

Yarden Fraiman was presented with the Academic Pediatric Association's Joel Alpert Award at the PAS meeting in Denver. The Award, named after the late Dr. Alpert, who was a former BCH faculty member and later served as Chair of Pediatrics at BU/BMC, was established to honor research that helps to improve the health of underserved children through service, education, or advocacy.

Helen Healy has received a grant from Chiesi USA to support the Neonatal QI Collaborative of Massachusetts Respiratory Care Collaborative (NeoQIC RCC). Helen launched this collaborative in Massachusetts during her fellowship and is now expanding to include NICUs throughout New England.

Timmy Ho has been notified that his project entitled, "The 21st Century Cures Act: An Opportunity to Provide More Equitable Care," has been accepted for funding by CRICO. Timmy's project aims to ensure equitable family-centered care with a novel intervention to enhance communication with families using language with which they are familiar.

DeWayne Pursley was the 2022 recipient of the Harvard Medical School Alumni Council Distinguished Service Award "...for his invaluable efforts as a student mentor, an

advocate for those seeking financial aid, and a leader in advancing the School's diversity and inclusion efforts."

Boston Children's Hospital

Maddie Keyes, Brooke Krbec, Matt Lin, Tierney Morrison, Margaret Ong, and Kristin Santoro graduated from the Harvard Neonatal-Perinatal Medicine Fellowship Program in July 2022. Maddie and Tierney will be joining the faculty at Boston Children's Hospital. Brooke will be joining the faculty at Tuft's Medical Center. Matt will be starting a Pediatric Hospice/Palliative Medicine fellowship at Children's National Medical Center in Washington, DC. Margaret will be joining the faculty at Brigham & Women's Hospital. Kristin will be joining the faculty at Beth Israel Deaconess Medical Center.

The Harvard NPM fellows nominated faculty to receive Honor Roll awards for their dedication to fellow education, research training or career development over the last year. 2022 awardees included **Mandy Belfort, Katherine Bell, Anne Hansen, Kristen Leeman, Jonathan Levin, Phil Levy, Martha Sola Visner, Rimi Sen, Katherine Sparger, and Annie Sullivan.**

Kristen Leeman was elected Co-Chair of the AAP Women in Medicine Career Development Group.

Jenna Katz was named Chief Fellow of the Harvard Neonatal-Perinatal Fellowship Program.

Margaret Ong was awarded a 2022 Harvard Neonatal-Perinatal Fellows' Research Symposium Abstract Award.

Alyssa Thomas was selected for the Harvard Catalyst Clinical and Translational Research Academy.

Monica Wojcik graduated with her Master's in Public Health from the Harvard T.H. Chan School of Public Health and graduated from the Harvard-wide Pediatric Health Services Research Fellowship.

Anne Hansen has been selected as the 2022 recipient of the Rice360 Innovation and Leadership in Global Health Award.

Kiho Im has been promoted to Associate Professor of Pediatrics at the Harvard Medical School.

Alissa D'Gama received a 2022 Marshall Klaus Award titled, "Advancing Molecular Genetic Diagnosis in Early Onset Epilepsy." She also received the BCH Alumni Association Trainee Travel Award for Excellence and was selected for the Harvard Catalyst Clinical and Translational Research Academy. Additionally, Alissa won a 2022 Harvard Neonatal-Perinatal Fellows' Research Symposium Abstract Award and was named Chief Fellow of the Harvard Neonatal-Perinatal Fellowship Program

Stephanie Tung received a Klaus award titled, "Long-Term Immunomodulatory Effects of Bronchopulmonary Dysplasia."

Alejandro Frade Garcia was the recipient of grant funding from the Palfrey Advocacy Fund Committee for, "Dreamwarmer Training and Implementation in Mexico." He also received two teaching awards: The First Year Harvard Neonatal-Perinatal Medicine Teaching Award and the Brigham and Women's Hospital Resident Teaching Award.

Erika Yazawa was awarded a 2022 Harvard Neonatal-Perinatal Fellows' Research Symposium Abstract Award.

Ellen Grant received the Gold Medal Award from the American Society of Pediatric Neuroradiology and received an R01 Award titled, "Fetal MRI: Robust Self-Driving Brain Acquisition and Body Movement Quantification."

Yangming Ou received an R21 Award titled, "Neural Substrate of Outcomes after Neonatal Hypoxic Ischemic Encephalopathy."

Lana Vasung received pilot grant funding from Harvard Catalyst's Translational Innovator Program "The Five Senses" for her project, "Characterizing In-Utero Fetal Brain Development in Non-Syndromic Isolated Structural Birth Defects Associated with Impaired or Altered Proprioception."

Philip Levy received the MSO Faculty Innovated Research Award for his project, "Neurodevelopmental and Socio-Emotional Outcomes among Preterm Infants with Congenital Heart Disease."

Boston Medical Center

Bharati Sinha was promoted to Clinical Associate Professor in May 2022.

Elisha Wachman received a grant from the March of Dimes entitled, "Effect of Prenatal Opioid Exposure on Placental DNA Methylation and Gene Expression."

Meg Parker received the Kristine Sandberg Knisely Lectureship Award from Children's Hospital of Philadelphia in May 2022.

Brigham and Women's Hospital, Boston

In September 2022, **Terrie Inder**, the first Chair of the Department of Pediatric Newborn Medicine, and the first female Chair at BWH, will step down to pursue a new position as Director and Chair of Neonatology Research at Children's Hospital of Orange County. She led the department for nine years and oversaw the building of a state-of-the-art NICU with single-family rooms and a dedicated MRI system that expanded neurocritical care for babies in our care. She also established numerous clinical programs including a new Growth and Development Unit, an innovative parent mental health program, the only NICU-focused music therapy program in the region, a transition-to-home program and a follow-up clinic.

Helen Christou will serve as Interim Chair of the Department of Pediatric Newborn Medicine and **Mandy Belfort** as Interim Vice Chair for Research.

In March 2022, we bid farewell to **Jennifer Benjamin**, Director of our very successful Center for Child Development/Infant Follow-up Program. She has accepted a position at Mount Auburn Hospital in Cambridge.

In March 2022, we welcomed **Bushra Afzal**, who joined our team from Tufts Medical Center.

In July 2022, we welcomed two new faculty members: **Margaret Ong** completed her fellowship at the Harvard Program and **Pearl Houghteling** completed her fellowship at Stanford.

In October 2022, we will welcome **Megan Reyes-Wangh** who will serve as Associate Medical Director of the Center for Child Development and Director of Simulation and Outreach Education. Megan is joining us from Tufts Medical Center

Melissa Woythaler was appointed Medical Director of the Center for Child Development.

Carmina Erdei is leading our new Music Therapy Program in our Growth and Development Unit.

Massachusetts General Hospital, Boston

Brett Nelson was selected by the US State Department to serve as a US Global Scholar. He has been asked to help colleagues at the University of Belgrade School of Medicine develop Serbia's first global health course and to improve international engagement by Serbian faculty and students.

Juan Matute was appointed the Division Director of Equity and Inclusion.

Peggy Settle retired after 20 years in her role as NICU Nursing Director; **Anne Cormier** joined MGH to take over this position.

Leela Sarathy was appointed the Director Newborn Nursery Services.

Tufts Medical Center, Boston

Tufts Children's Hospital and Boston Children's Hospital announced clinical and academic affiliation between the two institutions starting July 2022. This partnership aims to enhance newborn and pediatric complex care in Greater Boston and communities in Eastern Massachusetts.

The TCH Newborn Division is pleased that **Shubham Bakshi** and **Sudсна Lakshman** graduated from our NPM Fellowship Program in June 2022. We welcomed **Rebecca Satty, Volha Belavusava** and **Maggie Vogel** as first year fellows in our program in July.

We are also delighted that three excellent faculty members are joining our Division. **Brooke Krbec**, a graduate from the Harvard NPM Fellowship Program, will have a joint appointment at Tufts Children's Hospital and MIT as she pursues her interest in device development. **Ruggero Spadafora**, also a graduate from the Harvard NPM Fellowship Program, will be joining the group with a focus on neonatal neurology outcomes. **Thomas Lipari**, graduating from Icahn School of

Medicine at Mount Sinai NPM Fellowship Program, will be supporting our NICU Infant Follow-up Program.

Raja Senguttuvan was elected to the SONPM Neonatal Coding Committee. Her expertise in this area has led to significant improvement in the CMI and reimbursement for our Level II Nursery at Lawrence General Hospital. Additionally, she has been a valuable resource regionally, educating trainee fellows as well as faculty, about the nuances in billing and coding for neonatal diseases.

MaryAnn Volpe has been recruited as the National and International Site Visitor for the Association for Accreditation of Human Research Protection Programs.

UMass Memorial Medical Center, Worcester

Save the date for the 23rd annual Braden E. Griffin Memorial Symposium on November 18, 2022. Registration information coming soon.

We are pleased to announce our new neonatology leadership team. **Wendy Timpson** has joined our faculty as the Clinical Division Chief and Associate Professor of Pediatrics; **Meg Parker** has joined as the Academic Division Chief and Professor of Pediatrics.

We congratulate **Kirsti Martin**, who graduated from our Fellowship Program this summer and completed her Master's in Medical Education. Kirsti has joined our faculty to pursue a career in medical education.

We are thrilled to welcome **Apurv Barche** to our faculty, who joins us after completing residency at Texas Tech and fellowship at Thomas Jefferson. Apurv will serve as Director of Quality Improvement for the Division.

Our advanced practitioner team expanded by welcoming **Molly Berning** after several years of experience as a PA at Connecticut Children's Medical Center and **Laura Moreau**, who has spent time both at Hasbro and Medflight.

We welcome our newest fellow, **Muhammad Jaber**. He completed medical school at University of Illinois School of Medicine and is completing his residency at Southern Illinois University School of Medicine.

RHODE ISLAND

Women & Infants Hospital of Rhode Island, Providence

Elisabeth McGowan was elected to membership in the American Pediatric Society.

The Department of Pediatrics welcomed a new faculty member, **Julie Mayne**, in November 2021. Dr. Mayne was a former fellow and attending at St. Francis Hospital in Hartford, CT.

Jill Maron was invited to present at Harvard Medical School/Boston Children's Hospital Newborn Medicine Research Seminar Series in March 2022. The title of her presentation was, "Sex Matters: Uncovering the Molecular Mechanisms for Disparities in Neonatal Outcomes through Salivary Gene Expression

Analyses." She was an invited speaker at the 2022 AAP Workshop on Neonatal-Perinatal Practice Strategies in Scottsdale, AZ on March 25-26. She was also invited to present at Pediatric Grand Rounds, Children's Hospital Colorado in April.

Lauren Boudreau and her mentors **Liz McGowan**, **Betty Vohr** and **Richard Tucker** received the Best Neonatal Medicine Presentation at the New England Perinatal Society Meeting held April 8-10, 2022 in Newport, RI.

VERMONT

Vermont Oxford Network

The Vermont Oxford Network 2022 Annual Quality Congress will take place in Chicago on September 8-11, featuring a keynote from **Wanda Barfield** and discussion moderated by VON Diversity and Equity Board Member **DeWayne Pursley**. Plenary faculty include **Jonathan Litt**, **Lindsay Rosenfeld**, **Steven Miller**, **Fabiana Bacchini**, **Sonia Bonifacio**, **Elizabeth Rogers**, and **Jeffrey Horbar**. Sessions on using VON data and developing QI skills will be led by additional VON faculty.

VON Masters of Public Health intern **Helina Selam** was selected to receive the Dr. Renee Royak-Schaler Memorial Health Equity Award. She will also represent the University of Maryland at the 2022 APHA conference with a presentation on program evaluation for the AAU Masters in Advanced Practice Neonatal Nursing Program.

VON Grand Rounds have featured presentations and discussion led by **Roger Soll**, **Ravi Patel**, **Sonia Bonifacio**, **Elizabeth Rogers**, **Nathaly M. Sweeney**, **John Zupancic**, **Ingrid Holm** and **Russell Nofsinger**. Topics of the webinar and discussion series have included genomics, evidence from Cochrane Neonatal, and "All Care is Brain Care," which is the focus of VON QI Collaboratives in 2023. Cochrane Neonatal webinars will continue to be presented as part of the free VON Grand Rounds series.

**District II:
Shetal Shah**

NEW YORK

Children's Hospital at Montefiore/Albert Einstein College of Medicine, Bronx

Save the date! **Tom Havranek** and the Division of Neonatology will host the 13th Annual Current Topics in Neonatal Nutrition and Advances in Neonatal Care in Tarrytown, NY on October 18-19, 2022. Guest faculty will include **Tanis Fenton**, **Paul Thornton**, **Eduardo Bancalari**, **Sudarshan Jadcherla**, **Richard Schanler**, **Myra Wyckoff** and **Ronnie Guillet**. Join us for hybrid conference and state-of-the-art presentations providing updates on neonatal nutrition, chronic lung disease, acute kidney injury, and delivery room management. This symposium has been designed to be of interest to neonatologists, neonatology fellows, PAs, NNPs, nurses,

nutritionists, lactation consultants and others. For further information for content and registration, contact **Amanda Feliciano** (amafelic@montefiore.org).

Kudos to **M. Susan LaTuga** on her promotion to Associate Professor of Pediatrics at Einstein.

Praveen Ballabh is Editor for an upcoming issue of *Seminars in Perinatology* devoted to the topic of intraventricular hemorrhage. **Marlyse Haward** and **Deborah Campbell** are contributing authors. Additional contributors include **Andrew Whitelaw**, **David D. Limbrick**, **Linda de Vries**, **Jeffrey Perlman**, **Betty Vohr**, **Edmund La Gamma**, **Chris Smyser**, and **Terrie Inder**.

Deborah Campbell, along with **Michael Horgan**, **Ed La Gamma**, **Colby Richardson** and **Timothy Stevens**, are participating on the New York State Department of Health (NYS DOH) Infant Mortality Workgroup to review data and findings for the NYS Infant Mortality Report. NYS DOH is required to study the effects of racial and ethnic disparities on infant mortality and report to the governor and the legislature by July 1, 2022. The report will identify ways to reduce infant mortality and improve birth outcomes in NYS, reduce or eliminate racial and ethnic disparities that contribute to infant mortality, and increase access to healthcare services in NYS.

Cohen Children's Medical Center of New York/ Northwell Health, New Hyde Park

We wish all the best to our graduating fellows and thanks them for three years of wonderful work! **Gelila Asefa** will join Mary Washington Hospital faculty in Fredericksburg, VA. **Christina Gomez-Juge** and **Gangajal Kasnya** are joining Ochsner Medical Center in Louisiana, LA. **Maria Battaglia** will be part of Cooperman Barnabas Medical Center in Livingston, NJ.

Maria Battaglia was a recipient of Project NICU Heart Award given to medical team professionals that have gone above and beyond for their NICU community and nominated by NICU parents.

We are thrilled to welcome **Katherine Sullivan** as a new faculty member who joins us from UMass Memorial Children's Medical Center, MA.

Vita Boyar presented at Symposium for Advanced Wound Care on management of Neonatal Epidermolysis Bullosa in April in Phoenix, AZ.

Mariana Brewer received 25K Award for Career Advancement from AWSM in April for her work on, "The relationship between Neonatal Microbiome Development and the T Cell Repertoire." She also was an invited guest on a public service radio program, *Well Said with Dr. Ira Nash*, discussing the infant microbiome. The radio program is co-produced by the Donald and Barbara Zucker School of Medicine at Hofstra/Northwell and WRHU.

Howard Heiman presented at the 18th Annual Airborne Life Support Systems Neonatal/Pediatric Transport Conference in Austin, TX in May on aeromedical transport physiology; ran a workshop, "High Frequency and Nitric Oxide Transport Ventilator;" and was part of the Expert Panel on Aeromedical Transport.

Dalibor Kurepa joined the Board of Editors of *Frontiers in Pediatrics*. He, along with **Margaret Pulju** and **Shahana Perveen**, ran a workshop at PAS in May in Denver on Less Invasive Surfactant Administration.

Shahana Perveen was a recipient of 25K Award for Career Advancement from AWSM in April for her work on, "Role of Environmental Toxin Exposure on Chronic Lung Disease and Pulmonary Angiogenesis in Rat Model."

Maria Fareri Children's Hospital, New York Medical College, Valhalla

The Regional NICU celebrated its 40th anniversary this year with a wine tasting and fund raising gala this April. Proceeds will support expansion of the Regional NICU of MFCH to 59 beds and establish an endowed Chair of Neonatal-Perinatal Medicine with its first occupant as **Edmund F. La Gamma**.

The Division was well represented with multiple studies presented at the 2022 Pediatric Academic Society Meeting and at the Eastern Society for Pediatric Research Meeting.

Created by **Boriana Parvez** in 2017, the MFCH Premature Baby Donor Breast Milk Bank recently celebrated a milestone, dispensing over half a million milliliters of pasteurized donor milk to infants in the NICU.

Muhammad Zia is recognized as Physician of the Year at Hudson Valley Hospital Center in Cortlandt, NY.

Shetal Shah has appeared as an AAP spokesperson on multiple television and radio broadcasts, including on CNN, WCBS 880 and News12, advocating for COVID vaccinations in children. His advocacy work with New York Chapter 2 of the AAP also led to the state adopting postpartum Medicaid coverage for one year after delivery.

Govindaiah Vinukonda and **Edmund F. La Gamma** received an Innovation Seed grant for evaluation of unrestricted somatic stem cells as treatment for intraventricular hemorrhage following their two pioneering publications.

We are proud to welcome **Alpa Basu**, most recently from Cornell, to our faculty. Dr. Basu will provide clinical care at St John's Riverside Hospital, Yonkers, NY and will rotate at the Level IV nursery.

Lance Parton and **David Kronn** have set up a whole genome diagnostics program at MFCH for orphan illnesses of newborns.

Morgan Stanley Children's Hospital/Columbia University, New York

Sandhya Brachio was promoted to Medical Director for the NICU Growth and Development clinic.

After 41 years of service at Columbia University Medical Center, **David Bateman** will retire in June 2022.

Lauren Sanlorenzo and **Xuxin Chen** will start as faculty and Assistant Professors of Pediatrics at CUMC on July 1, 2022.

Angelica Vasquez will start as Instructor of Pediatrics at CUMC on August 1, 2022.

Richard Polin, the 2021 Apgar Awardee, officially received the Apgar Award at the AAP Perinatal Section meeting in Scottsdale, AZ on March 26, 2022.

Helen Hu received the Milton Singer Memorial Fellowship Award and **Chantal Angueyra** received the Jen Tien Wung MD Award.

We bid a fond farewell to our graduating fellows: **Chantal Angueyra** and **Helen Hu** will both be heading to the University of South Florida; **Divya Keerthy** will join New York Presbyterian Queens, Cornell University; **Grace Liao** will be heading to Cohen's Children's Hospital/Northwell Healthcare; and **Federica Picozzi** to Mount Sinai Medical Center.

We extend a warm welcome to our incoming fellows: **Eliza Gentzler** and **Teddy Wohlbold** from NYPH, **Catharine Austin** from Northwestern, **Julia Vickery** from Loma Linda, and **Nicholas Puopolo** from Mount Sinai.

New York University Langone Medical Center, Long Island

Robert Angert was promoted to Associate Professor at NYU Grossman School of Medicine. He presented on model modification in the Simulation Special Interest Group at the 2022 PAS meeting.

Graduating fellow **Samantha Arevalo Marciano** will be an Assistant Professor and attending neonatologist at WVU Medicine Children's NICU.

We will host a virtual version of our 4th annual PICNIC Conference on November 14, 2022. The PICNIC (Pediatric Intensive, Cardiac and Neonatal Intensive Care) Conference is designed to promote the importance of collaboration and standardization of key practice principles across intensive care units. This year's lectures will focus on precision medicine and physiology of resuscitation.

State University of New York at Buffalo, John R. Oishei Children's Hospital

Neonatology fellows and faculty had several platform and poster presentations at the Eastern Society for Pediatric Research and the PAS meeting.

Fellow **Mausma Bawa**, mentored by **Praveen Chandrasekharan**, was the recipient of the SPR Fellows Clinical Research Award, the PAS Travel Award, and the ESPR Diversity in Research Trainee Award for 2022. She also was invited to present her work at the Japan Pediatric Society conference.

Fellows **Mausma Bawa**, **Arun Prasath**, **Clariss Blanco**, and **Andreina Mari** gave presentations at PAS and at ESPR.

We will miss our graduating fellows, **Mausma Bawa** and **Andreina Mari**, and are looking forward to welcoming our new fellows in July, **Prabjot Parmar** and **Sharanah Ridore**.

Our fellowship program will be welcoming two of our current faculty members onto the leadership team. **Munmun Rawat** will become Program Director in July and **Pedro Rivera Hernandez** will be Associate Program Director.

Pedro Rivera Hernandez was recently recognized by our residents with the Louis A. and Ruth Siegel Award for Excellence in Teaching Honorable Mention.

Bobby Mathew was promoted to Clinical Associate Professor and **Praveen Chandrasekharan** was promoted to Associate Professor with tenure.

Anne Marie Reynolds and **Jayasree Nair** completed the SUNY SAIL leadership program.

Vasanth Kumar recently became Chair of the Scientific Review Committee for the Department of Pediatrics.

Four of our doctors were recognized in *Buffalo Spree* as Top Doctors within Neonatology: **Praveen Chandrasekharan**, **Deepali Handa**, **Jayasree Nair** and **Anne Marie Reynolds**.

In an exciting new program, **Deepali Handa** and **Jayasree Nair** collaborated with **Rita Dadiz** and **Patricia Chess** from the University of Rochester to start a combined Regional two-day Neonatal Simulation Bootcamp in July 2021. Fellows from both sites engaged in learning resuscitation skills in complex cases, communication skills in challenging conversations and team building skills in immersive scenarios. They plan to expand the collaboration this year with the fellowship program at Albany and continue it as an annual offering to all neonatology fellows in the upstate NY region.

University of Rochester Medical Center, Golisano Children's Hospital

We are happy to announce that all three of our graduating fellows, **Jon-Ryan Burris**, **Igor Khodak**, and **Angela Tyson**, are staying with us as new faculty.

We are also welcoming **Gal Barbut**, who is joining us after completing his fellowship at Baylor College of Medicine, Texas Children's Hospital.

We are excited to welcome our incoming fellows! Joining us are **Danielle Ackley**, who completed her residency at University of Rochester Medical Center; **Cassandra Drees**, who completed her residency at Brown University, Providence, RI; and **Ragnheidur Hera Sigurdardottir**, who completed her residency at University of Connecticut, Farmington, CT.

Nirupama Laroia organized the 41st Annual Townsend Teaching Day in Neonatal/Perinatal Medicine on March 30, 2022. The James W. Kendig Keynote speaker was **Henry C. Lee** from Stanford University. The title of his talk

was, “Advancing Health Equity through a State Perinatal Collaborative.” Other speakers were **Jeffrey Meyers, Colby Richardson, and Daniel Grace.**

We are very pleased to announce that we had quite a number of our faculty and fellows had abstracts accepted this year at the annual PAS meeting in Denver.

**District III:
Michael Posencheg**

DELAWARE

Christiana Hospital, Newark

Stephen Pearlman moderated a session on neonatal QI at the International Conference on Clinical Neonatology in Turin, Italy May 21-23.

MARYLAND

Johns Hopkins University, Baltimore

Sara Muñoz-Blanco, a former JHU Neonatology and Palliative Care fellow, will return to join the faculty in July 2022, splitting her time with both Divisions.

Cecilia Kwak will join the faculty as a Clinical Associate in July 2022, splitting her time between East Baltimore and providing support for the Frederick Health Hospital NICU.

Brittany Schwarz will assume the role of Program Director for our Neonatal-Perinatal Fellowship Program in July 2022. **May Chen** will assist her as Associate Program Director.

Congratulations to our graduating fellows!

Stephanie Baker has accepted a position at INOVA Fairfax Hospital. **Nethra Madurai** will be continuing her research under a T32 Critical Care Training Grant and will join our Division as faculty later in the fall.

We will welcome three new fellows in July 2022: **Carly Blatt, Srishti Jayakumar and Flora Yazigi.**

Second year fellow **Leslie Doucette** was awarded the SPR Fellow's Basic Science Research Award.

Khyzer Aziz, Jennifer Fundora and Suneetha Desiraju were promoted to Assistant Professor.

Frances Northington was named the inaugural Lawrence C. Pakula Professor of Pediatrics in recognition of the outstanding mentorship she has provided to trainees and faculty, not just within our Division, but in other divisions and departments.

University of Maryland Medical Center, Baltimore

Dina El-Metwally, Division Head of Neonatology, was awarded the Mary Gray Cobey Professorship in Neonatology at UMSOM. Dina, an integral member of UMSOM since 2011, has demonstrated unwavering commitment to the Department of Pediatrics, its faculty, fellows, residents, staff, medical students, and most importantly, her patients in the NICU. She has demonstrated outstanding

leadership in the development and foundation of the Drs. Rouben and Violet Jiji NICU, the largest level IV NICU in Maryland, and has gained national and global recognition for her expertise in NICU design and her research on opioid withdrawal in neonates.

Natalie Davis, Director of Pediatric Resident Research, provided oversight and conducted the Annual Pediatric Research Day at UMSOM on May 12, 2022. She has been instrumental in providing mentorship to categorical and combined pediatric residents but constantly inspires pediatric faculty by encouraging mentorship and fostering development of scholarly skillsets.

Christine Capriolo has been appointed as the Medical Director of the NICU at University of Maryland St. Joseph Medical Center, effective July 2022.

We proudly announce the following graduating fellows and congratulations to them on their new positions! **Bethany Hung** will join Children's Hospital of Orange County and **Tayo Adeyemo** joins Adventist Health Care Shady Grove Medical Center.

We welcome our three new incoming fellows!

Kim Beatty is from Driscoll Children's Hospital/Texas A&M College of Medicine; **Mahasin Taha** is from SUNY Downstate Medical Center Brooklyn, NY; and **Khateeja Aboolatiff** is from SUNY Downstate Health Sciences University, New York City.

NEW JERSEY

The Children's Regional Hospital at Cooper, Camden

Alla Kushnir was given the Faculty Rockstar Award by the Cooper Medical School of Rowan University for the highest research productivity and evaluations among the medical school research mentors.

Vineet Bhandari was appointed as Vice Chair for Faculty Development, Department of Pediatrics, Cooper Medical School of Rowan University effective January 1, 2022.

Vineet Bhandari was appointed to the PAS Board of Directors for a three-year term and was elected to be its Secretary-Treasurer effective July 2022.

Vineet Bhandari is the site PI for, “LISPAP Study: An Open-Label, Multicenter, Randomized, Controlled Study in Spontaneously Breathing Preterm Neonates With Respiratory Distress Syndrome to Compare Two Procedures for Porcine Surfactant (Poractant Alfa, CUROSURF®) Administration, A Less Invasive Method (LISA) During Non-Invasive Ventilation (NIV) and the Conventional Administration During Brief Invasive Ventilation” from Chiesi Farmaceutici S.p.A.

PENNSYLVANIA

Abington Hospital

Jessica Gaulton, former attending neonatologist and current CEO and Co-Founder at Mommi, Inc. (www.mommi.us), will be joining the neonatology faculty at Harvard Medical School/Beth Israel Deaconess Medical Center as an Instructor.

Children's Hospital of Philadelphia

Eric Eichenwald has been appointed member of the Board of Directors for the American Board of Pediatrics in 2022. In addition, he recently began a four-year term as the Chair of the AAP Committee on Fetus and Newborn.

Heather French is the 2022 recipient of the Schmidt-Kirpalani Mentor Award in recognition for outstanding contributions to the career development of junior faculty and fellows.

Congratulations to the following faculty in the Division of Neonatology at CHOP on their July 2022 faculty promotions at the University of Pennsylvania Perelman School of Medicine: **Lori Christ and Dalal Taha**, promoted to Associate Professor of Clinical Pediatrics; **John Chuo, Natalie Rintoul** and **Jason Stoller** promoted to Professor of Clinical Pediatrics; **Elizabeth Foglia** promoted to Associate Professor of Pediatrics; **Karen Puopolo** promoted to Professor of Pediatrics.

Kelly Wade was appointed to membership on AAP Committee on Fetus and Newborn

Elizabeth Foglia, Anne Ades, and Natalie Rintoul received a prestigious Frontier Program Award from CHOP. This three-year \$4 million award will establish the “Delivery Room of the Future” program to advance cutting-edge delivery room care for infants with congenital anomalies born at CHOP.

Congratulations to the following CHOP Neonatologists who are named as 2022 *Philadelphia Magazine's* Top Doctors in Neonatal-Perinatal Medicine: **Anne Ades, Janet Lioy, David Munson, and Iyalla Peterside.**

Congratulations to the following CHOP-Newborn Care Network physicians who are named as 2022 *Philadelphia Magazine's* Top Doctors: **Benedict Asiegbu, Gita Jani, and Jennifer Tioseco.**

Scott Lorch was elected to the American Society for Clinical Investigation.

Joanna Parga-Belinkie became a certified international lactation consultant and will be leading wellness sessions for breastfeeding moms through Penn.

Rebecca Simmons has been appointed Associate Chair for Academic Affairs and Chair of the Department of Pediatrics COAP. She is the organizer for the 9th Annual Perinatal Biology Symposium being held in Aspen, CO, August 28-29, 2022.

John Chuo was appointed to the Executive Committee of the Council on Quality Improvement and Patient Safety at the AAP. He will be working on a framework for implementation of clinical practice guidelines as well as safety in telehealth practices.

Jason Stoller is the 2022 recipient of the Faculty Teaching Award presented by the neonatology fellows.

Karen Puopolo was selected as the 2022 Pediatrician of the Year by the Pennsylvania Chapter of the AAP. This prestigious award is given to a pediatrician that exemplifies the ideals of the pediatric profession and participates in the type of activities that are the foundation of the PA AAP. Dr. Puopolo's career as a neonatologist is marked by high honors, many publications, glowing depictions from colleagues and peers and a resounding dedication to securing the health and well-being of our youngest patients.

Dustin Flannery received the Junior Faculty Pilot Grant from the CHOP Research Institute which will fund the "Serosurveillance of Mothers and Newborns (SESAME) Registry" study.

Heather Burris received a five-year R0-1 grant from the NIH for her proposal "The Role of Neighborhood Greenspace in Reducing Risk of Hypertensive Disorders of Pregnancy, Chronic Hypertension and Racial Disparities in Maternal Morbidity"

Elizabeth Foglia received an R21 from the NICHD for her project, "Apneic Oxygenation to Prevent Oxygen Desaturation during Intubation in the NICU."

Sara Handley received a grant from the AAP entitled, "Understanding Organizational Culture and Implementation of Evidence-Based Resuscitation Practices."

Eric Eichenwald gave the John S. Curran Endowed Lectureship in Newborn Health at the University of South Florida School of Medicine.

Fellow News

Congratulations to the 2022 CHOP Neonatal-Perinatal Fellowship Training Program graduates! **Katherine Schwartz** will be joining the group at LIJ/Cohen Children's Hospital. **Sandy Johng, Elizabeth Salazar,** and **Danielle Callaway** are staying on at CHOP as research fellows on T32 training grants.

Welcome to our new fellows: **Oswaldo Mercado** (CHOP), **Alvaro Proano** (Tulane), **Kristan Scott** (Boston Children's Hospital), **David Rub** (CHOP), **Jonathan Knowlton** (CHOP), and **Nicolas Novick** (CHOP).

Ben Fensterheim is the 2022 recipient of the Fellows Teaching Award presented by the CHOP residents.

Daria Murosko was named ESPR Session Award Recipient for her abstract, "The Maternal Vulnerability Index is Associated with Infant Mortality in the United States."

Elizabeth Salazar was named ESPR Session Award Recipient for her abstract, "Care Quality Differs for Moderate and Late Preterm Infants by NICU Level."

Elizabeth Salazar has been selected for the SPR Clinical Research Award for Fellows, sponsored by the Junior SPR Members Section at this year's PAS meetings in Denver. This is one of six awards given annually to fellows for their clinical research abstracts.

Tim Nelin was awarded a Philadelphia Regional Center for Children's Environmental Health Development Core Pilot Project Grant for his project entitled, "Chronic Lung Disease and Environmental Air Pollution and Temperature Related Outcomes." Tim's research mentor is **Heather Burris**.

Tim Nelin is the 2022 Health Services Research Award winner for his project, "Chronic Lung Disease and Environmental Air Pollution-Associated Respiratory Outcomes" with **Heather Burris** as his mentor.

Katherine Callahan is the 2022 Neonatal-Perinatal Research Award winner for her project "Parent-Important Outcome Measures in Bronchopulmonary Dysplasia" mentored by **Sara Demauro**.

Congratulations to **Tim Nelin** and **Katherine Callahan** for being selected as 2022 Marshall Klaus Perinatal Research Award recipients from the AAP to support and encourage trainee research.

Ashley Osborne's abstract was accepted to the Cool Topics in Neonatology annual conference by the California Association of Neonatologists and AAP District IX.

Michelle P na is joining the neonatology faculty at Emory University School of Medicine in July as an Assistant Professor of Pediatrics.

CHOP Newborn Care Network

Sandeep Sadashiv was appointed as Medical Director of Newborn Services of CHOP Newborn Care Network at Einstein Medical Center Montgomery. He will lead an academically aligned group of nine physicians and succeeds **David J. Hoffman** who will remain on staff.

Brenda Stryiewski joined the team at CHOP Newborn Care at Einstein Medical Center Montgomery in February 2022. She has extensive clinical experience with much of her training at the Tripler Army Medical Center and she served with the 101st Airborne Division and as a Battalion Surgeon. She has previously worked as a neonatologist for the US Army, Hawaii Permanente Medical Group, and several other institutions, and has also held leadership positions at the University of Hawaii Neonatal-Perinatal Medicine Fellowship Program and as the Division Chief at Crozer Chester Medical Center. She is an accomplished marathoner and fitness advocate for her colleagues.

David Schutzman of Einstein Medical Center will be transitioning to *per diem* status as of July 1.

Penn State Children's Hospital, Hershey

Penn State Health Children's Hospital is the first (non-beta test site) to receive American College of Surgeons verification as a Level 1 Children's Surgical Center.

Tammy Corr received a five-year training grant (K23) from NIDA entitled, "Longitudinal Academic Performance in Children with a History of Neonatal Abstinence Syndrome."

Sarah Sweigart received the 2022 Physician Assistant of the Year Award from the Central Penn Business Journal.

Kim Wisecup was the Penn State Health Milton S. Hershey Physician of the Month for February 2022.

Shaili Amatya received the Junior Faculty Diversity in the Workforce Travel Award at ESPR and Joint SPR Research Showcase Recognition at the PAS meeting.

Christiana Oji-Mmuo received the Dean's Award for Excellence in Teaching Award.

Congratulations to our graduating fellows as they complete their fellowships and move into their new positions! **Lynnlee Depicolzuane** heads to Sinai Hospital in Baltimore, MD and **Brandon Worth** joins Community Regional Medical Center in Fresno, CA.

Jessica Emrich won the Department of Pediatrics Fellow Teacher of the Year Award for 2022.

The entire Division looks forward to welcoming our incoming fellows: **Nada Darwish** from Children's Hospital of Richmond and **Danielle Smith** from Penn State Hershey Children's Hospital.

Lynnlee Depicolzuane and **Jamie Wardinger** both received ESPR Young Investigator Trainee Awards.

Congratulations to **Ashley Sim**, graduating Physician Assistant Fellow from our APP Postgraduate Fellowship. She moves on to her new position at NYU Langone in Mineola, NY.

St. Christopher's Hospital for Children, Philadelphia

Congratulations to **Sonal Goenka** and **Swosti Joshi** for their recent Professional Enrichment and Growth grant awards from Drexel University College of Medicine to support their training and research in simulation-based education of pediatric residents and neonatology fellows.

Nneka Ugwu, third year fellow, was awarded the SPR Fellow Basic Science Research Award for her work, "Cathelicidin Anti-Microbial Peptide (CAMP) is Toxic during Neonatal Influenza Virus Infection." Based on this award, she has been selected as one of three early career investigators to present her research in April 2023 at the 126th Annual Meeting of the Japan Pediatric Society. In addition, she received the Thomas R. Boggs, Jr., 2022 Young Investigator Award from the Philadelphia Perinatal Society. Her mentor is **Alison Carey**.

We are excited to welcome **Juan Ballesteros** back to our faculty group. Juan is a dedicated, caring neonatologist and a fantastic team player. He will be working in the Temple University NICU.

We wish the best of luck to our graduating fellows in their new positions: **Elizabeth Pease**, Bryn Mawr Hospital, PA; **Joshua Erickson**, Baycare Medical Center, WI; **Kamelia McRae**, Jefferson Washington Township Hospital, NJ; **Nneka Ugwu**, CHI St. Alexius, Bismarck, ND.

We welcome our new first year fellows: **Htay Htay Aung**, **Michael Daubert**, **Paula Espinoza**, and **Sana Haq**.

University of Pittsburgh Medical Center

Congratulations to **Michael Balsan** on his retirement after many years with UPMC, most recently as the Clinical Director of the NICU at UPMC Hamot.

We are pleased to welcome three new faculty members this summer: **Danielle Browning** and **Alice Randall** from our own fellowship program and **Julie Dillard** from St. Louis University.

We wish all the best to our five graduating fellows! **Danielle Browning** and **Alice Randall** will be joining our faculty, **Joanne Duara** will be joining the faculty of University of Miami/Jackson Health System, and **Vignesh Gunasekaran** will be joining the faculty of West Virginia University. **Mary Keith** will be joining the faculty of Vanderbilt University.

We are also welcoming five new fellows to our program this summer: **Tara Beck**, **Amanda (Mia) Horton**, **Shayla Percy**, **Adriana Phillips**, and **Hayley Varela**.

Briana Bertoni was selected as the inaugural Collaborative Initiatives Quality Improvement Fellow by the Children's Hospitals Neonatal Consortium and TECaN.

Christine Bishop has been chosen to participate in the Shared Decision-Making Fellowship at UPMC's Beckwith Institute

Vignesh Gunasekaran received the Mead Johnson Reckitt Session Award for his presentation at the ESPR meeting.

WASHINGTON, DC

Children's National Hospital

We welcome new neonatology fellows **Leah Harburg** from Children's National Hospital residency program, **Kyra Soloway** from New York-Presbyterian Morgan Stanley Children's Hospital/Columbia University Irving Medical Center, and **Tamiko Younge** from Children's National Hospital. We also welcome **Chase Groomes**, **Theresa Urbina**, **Jennifer Bencze** and **Joel Toro** from the Walter Reed residency program.

We congratulate our graduating neonatology fellows! **Rachel Troch** will be an attending at Greater Baltimore Medical Center. **James Morris** will be an attending at Tennessee

Valley Neonatology. **Lauren Miyares** will be an attending at George Washington University Hospital.

We bid a fond farewell to **Brian Stone** who will be moving to Johns Hopkins.

Theo Stokes from Walter Reed Hospital will be joining us as Associate Chief of Regional Hospital Based Programs

Children's National Hospital's Regional Neonatology Program has contracted to manage the NICU at Howard University starting on August 1, 2022. The team will consist of two of the present staff at Howard with additional neonatologists being recruited. The new Director of the Howard NICU will be **Ololade (Lola) Okito**. Lola will be moving over to Howard from her position at our George Washington University NICU. She is very excited about the opportunity to lead the team at Howard, bringing new aspects of clinical research to the team. We are excited about the collaboration between the programs across the District of Columbia.

*Georgetown University Medical Center/
MedStar Georgetown University Hospital*

Siva Subramaniam, Chief of the Division of Neonatology, will be retiring on July 2, 2022 after 48 years at Georgetown and 40 years as the Chief of the Division.

Mohammed Kabir Abubakar took over as the Chief of Neonatology at MedStar Georgetown University Hospital on Feb 1, 2022. He is also the Chief of Neonatology Service Line at MedStar Health.

District IV: Brian Hackett

KENTUCKY

University of Louisville

Congratulations to **Bridget Hempel** who completed her Master's degree in Bioethics from Loyola University in Chicago.

Best wishes to **Chitra Arumugam** as she joins the Women's Hospital in Newburgh, IN.

Cindy Crabtree has taken leadership of the fellowship program as Program Director. She is joined by **Amanda Farris** as Assistant Program Director.

Rebecca Decker will complete her fellowship and join Norton Children's Medical Group and the University of Louisville as an Assistant Professor of Pediatrics. **John Stack** will join the faculty at the University of Arkansas for Medical Sciences School of Medicine as an Assistant Professor of Pediatrics.

We welcome **Caroline Jackson** and **Shelbye Schweinhart**, who will be entering the fellowship program. Both completed their residency at the University of Louisville.

NORTH CAROLINA

Brody School of Medicine/East Carolina University, Greenville

John Kohler recently left the faculty and is now the Region Chief Medical Officer and President of SSM Health in Illinois.

Duke University, Durham

Margarita Bidegain will be retiring at the end of the academic year. Margarita came to Duke in 1999 to lead community hospital NICUs. She became the first neonatologist to pass the boards in Hospice and Palliative Care Medicine in 2008. She led development of Duke's Antenatal Consult Service and the Duke NICU's Palliative Care Team. She has been a champion of inclusion, consideration and respect for patients, families, and colleagues in underserved and under-represented populations. Her belief in the need for neonatologists to always advocate for the babies resonates and motivates daily because, even among pediatric patients, they are often marginalized. We will miss her greatly. Margarita has been awarded Professor Emeritus status at Duke, so we look forward to her ongoing engagement with the group.

Jennifer Peterson will join our colleagues at WakeMed in Raleigh, NC. We were excited when Jen came back from Cleveland in 2017 to become the Medical Director of the Duke NICU, as she brought great energy, great clinical skills, and a giant heart. In the last five years, Jen has led us through COVID and capacity challenges (in the just-passed calendar year, for the first time ever, over 1000 babies were admitted to the Duke NICU). She has been the best possible person to have in the room with hospital leadership as well as in the NICU trenches, to advocate for the babies and their families and for her colleagues. With all that responsibility, when on service, she is among the most compassionate caregivers on the planet. WakeMed is so fortunate to have her join their team. We are happy that she'll still be a neighbor.

Keyaria Gray graduated from Duke's Neonatology Fellowship in 2019 and worked at Envision Healthcare's Neonatology services in Plano, TX. She is returning to Duke to take on the role of Associate Medical Director for the Duke NICU.

Lakshmi Katakam graduated from Duke Neonatology Fellowship in 2009 and has been Medical Director at Texas Children's. She is returning to Duke to be the Duke NICU Medical Director and take on the new roles of Director of Neonatal Operations and Vice Chief of Clinical Practice for the Division of Neonatal-Perinatal Medicine, as we optimistically look forward to growth of the program beyond the Duke NICU, DRH, and the local follow-up and Transitions Medical Home Program.

Brian Smith was recently elected Chair of the AAP's Section on Clinical Pharmacology and Therapeutics. Also, Brian received the fourth highest amount of NIH funding among all pediatric researchers.

Sharla Rent was awarded a very competitive career development award from the National Palliative Care Research Center for her study to assess perinatal loss and bereavement in low- and middle-income countries. She'll work with the team at Duke Global Health and the Duke site at Moshi, Tanzania to acquire sociocultural and epidemiologic data to characterize perinatal loss and support families following stillbirth. Of note, it's the first global health project awarded by the NPCRC. Sharla was recently elected to lead the AAP SONPM's Global Health Subcommittee.

In acknowledgement of her amazing work with so many fellows, residents, students and faculty on countless research projects, the Duke School of Medicine awarded **Rachel Greenberg** the Clinical Research Mentoring Award.

In March, we hosted our first NICHD Neonatal Research Network (NRN) journal club for the state's neonatology QI group. This event had fellows from Duke, UNC, and ECU-Vidant present articles including the recent NRN publication on hospital and two-year outcomes (<https://pubmed.ncbi.nlm.nih.gov/35040888/>). **Ed Bell**, from the University of Iowa, the report's lead author, and **Susan Hintz**, from Stanford, who leads the NRN follow-up project joined the meeting for an active discussion with trainees and clinicians from across the state. In June, we will host the second NRN journal club with a focus on the NRN NEST trial, which compared outcomes for babies randomized to laparotomy vs. drain for the initial surgical procedure with NEC or SIP (<https://pubmed.ncbi.nlm.nih.gov/34506326/>). **Marty Blakely** from Vanderbilt, who led the study, will be our honored guest.

Fellow News

Cecile Yama, this year's Infant Complex Care Fellow, was named a National Clinician Scholar. The National Clinician Scholar's Program seeks to expand the nation's cadre of nurse and physician leaders who will serve as change agents to improve health care and health equity. Cecile will continue her work evaluating how housing policy and urban planning shape patient outcomes while addressing housing inequities through multidisciplinary collaborations to support pediatric health and development at UCLA.

Congratulations to our graduating fellows! **Dani Titchiner** will be heading over to Charlotte to Levine Children's. **Rebecca Speier** will continue her great work on resuscitation training, QI, and clinical care in Nashville at Vanderbilt. **Adrian Epstein** will be staying on for a research year, continuing his Marshall Klaus Award-supported work with **Eric Benner** on assessments of subventricular zone injury in the developing brain.

Our three new fellows all will be coming from outside Duke: **Laura Calvo**, presently at Texas A&M; **Dana Peralta** (who was a Duke undergrad), presently at University of Utah; and **Audrey Zeis**, presently at the University of Chicago. **Michael Evers**, who will finish

pediatric residency at Louisiana State University in New Orleans will join us as the Infant Complex Care Fellow.

Rachel Greenberg has succeeded **Ron Goldberg** as Program Director after he led the program for 25 amazing years. **Susan Izatt** this July, will hand off the Associate PD role to **Samia Aleem**.

University of North Carolina, Chapel Hill

Andrea Trembath has been promoted to the position of Associate Medical Director of the UNC Children's Neonatal Critical Care Center.

We are pleased to announce that our two graduating fellows, **Sean Shannon** and **Chris Zimmerman**, will be joining the neonatal practice at Cone Health in Greensboro, NC.

We are delighted to welcome incoming fellows **Amalia Lee**, who is completing her pediatric residency at UNC, and **Kendra Martinez**, who completed her pediatric residency at the University of Minnesota.

Congratulations to our current fellow **Amy Mackay** for her selection as a Global Health Scholar by UNC School of Medicine Office of Global Health Education. As a Global Health Scholar, Dr. Mackay will receive an annual stipend to support her scholarly activities in global health. Dr. Mackay also recently received a UNC Gillings School of Public Health Award for her MPH studies to begin in 2022.

WakeMed Health and Hospitals, Raleigh

Stephen Kicklighter retired earlier this year after 22 years in Raleigh.

Jennifer Peterson from Duke University will be joining WakeMed this summer.

Wake Forest School of Medicine/Atrium Health Levine Children's Hospital, Charlotte

Congratulations to **David Fisher** on his retirement from the Neonatology Division on April 1, 2022. Dr. Fisher joined the faculty in 1988. Under his tenure, the NICU remodeled several times, transitioned to Levine Children's Hospital, and developed national prominence as a top 50 neonatology program in *US News and World Report*. He was instrumental at the state level, helping form the Perinatal Quality Collaborative of North Carolina (PQCNC). Dr. Fisher has overseen the development of many faculty members and has created a NICU with outstanding quality and patient experience. He will retire as a Professor of Pediatrics Emeritus and enjoy time with his family.

Congratulations to **Chuck Engstrom** on his retirement from the Neonatology Division on April 1, 2022. Dr. Engstrom joined the faculty in 1992 and served as the Director of Pediatric Residency Recruitment from 1992-2018. Under his direction, the pediatric residency became one of the most competitive in the country. Dr. Engstrom also directed the Neonatal Med Center Air team. Dr. Engstrom's legacy will be his outstanding resident teaching that earned him the JC Parke Resident Teaching Award in 2012 and the UNC School of Medicine Educators Award

in 2013. Dr. Engstrom was recognized with the Atrium Health Pinnacle Award in 2016 for his commitment to modeling the core values of caring, commitment, integrity, and teamwork. Dr. Engstrom will retire a Professor of Pediatrics Emeritus. In retirement, Dr. Engstrom will enjoy time with family.

We would like to welcome **Christina "Marie" Hulgan** and **Michelle Elias Ruiz** as new attending physicians to our Division in the spring of 2022. Dr. Hulgan completed residency at Atrium Health Carolinas Medical Center and fellowship at Atrium Health Wake Forest Baptist. She is returning to Charlotte by way of Virginia. We are thrilled to have her clinical expertise and interest in resident education on our team! Dr. Elias Ruiz is originally from the Dominican Republic. She completed a pediatric residency at the Cleveland Clinic Children's Hospital followed by fellowship in neonatal-perinatal medicine at MetroHealth-Cleveland Clinic. She completed a two-year fellowship program in pediatric cardiac intensive care at Children's Hospital of Pittsburgh. For the past year, she has been an attending in the Cardiac Intensive Care Unit at Wolfson Children's Hospital in Jacksonville, FL. Dr. Ruiz Elias will be taking a leadership role as the Director of Neonatal ECMO, POCUS and in the development of the systems and processes surrounding the care of our NICU patients with congenital heart disease.

TENNESSEE

University of Tennessee, Knoxville

We wish to congratulate **Mark Gaylord** on his retirement from the University of Tennessee Medical Center after 35 years. During his tenure at UTMCK he served as Division Director, Medical Director, and Regional Medical Director for the neonatal portion of the Tennessee Regional Perinatal Grant. As Professor of Pediatrics, he was awarded emeritus status and plans to continue working with the UT School of Engineering to improve devices used for neonatal care. He also plans to spend his newly acquired time with his grandchildren and new puppies. Mark will be missed greatly at the bedside by colleagues and staff.

We wish to congratulate **James (Jay) Schmid** on his retirement from the University of Tennessee Medical Center, Division of Neonatology after 32 years! Jay plans to spend some time walking his golden retriever and he may also go on a few hikes in the Great Smoky Mountains.

Keri Lattimore has been promoted to the role of Medical and Division Director.

University of Tennessee Health Science Center/Region One Health/Le Bonheur Children's Hospital, Memphis

Kacie Dillon will be completing her training here at UTHSC, June 30, 2022.

Rishika Sakaria will be completing her fellowship training here at UTHSC and joining us as Assistant Professor of Pediatrics in the Division of Neonatology.

Megan Derrer will be completing her fellowship at University of Wisconsin-Madison and joining us as Assistant Professor of Pediatrics in the Division of Neonatology in August 2022.

We welcome two new fellows, **Andrew Mire** and **Zachary Pinkard**, joining us on July 1, 2022.

The Division of Neonatology at UTHSC and Le Bonheur Children's Hospital will host the 16th annual Midsouth Complex Newborn Conference on October 21-22, 2022.

The Divisions of Pediatric Cardiology and Neonatology at UTHSC and Le Bonheur Children's Hospital will be hosting the 2022 PDA Symposium along with NeoHeart in Anaheim, CA on August 5-6, 2022. This course brings experts from around the world to have a robust discussion on the current management of the PDA in premature infants and on practices to keep the PDA open and how to close the PDA in newborn infants. Special focus will be on transcatheter PDA closure in ELBW infants. Faculty from both divisions will be speaking at the conference with several other national and international speakers. Go to <https://pdasympposium.com/> to register.

Vanderbilt University Medical Center, Nashville

Jennifer Sucre received the Carol B. Basbaum Award from the American Thoracic Society at their annual meeting in May. The Award is given to a junior investigator in the field of respiratory cell and molecular biology in recognition of outstanding scientific achievement, mentorship, and leadership.

Hendrik Weitkamp was promoted to Professor of Pediatrics and also received the Reviewer of the Year Award from *Pediatric Research*.

Scott Guthrie spoke at an international conference in Amman, Jordan. Topics included perinatal COVID infection, aerosolized surfactant delivery, delayed cord clamping, BPD, and neonatal seizures. He was also a guest visitor at one of the NICUs in Amman.

Scott Guthrie was invited to New Delhi, India in May to speak on and train neonatologists on surfactant administration through laryngeal or supraglottic airways.

Uche Anani was appointed Assistant Pediatric Residency Director. She was also elected to serve on the Steering Committee and as a junior faculty lead for the Neonatal Justice Collaborative, a newly launched organization that serves to address neonatal health equity via research, advocacy, community engagement, and medical education/mentorship.

Maria Krakauer was promoted to Associate Professor of Pediatrics.

Stephen Patrick served as a Senior Policy Advisor to the White House, leading an interagency policy process focused on substance use disorder in pregnancy and child welfare.

We are saying goodbye to three faculty members. **Susan Lopata** will be joining the faculty at Nationwide Children's in Columbus, OH. **Lauren Sanlorenzo** will be returning to New York City and joining the faculty at Columbia University. **Emily Datyner** will be starting fellowship training in rheumatology here at Vanderbilt University Medical Center.

Mary Keith will join our faculty after completing fellowship at the University of Pittsburgh Medical Center.

Kevin Louie will join us upon completing fellowship at Maria Fareri Children's Hospital at Westchester Medical Center

Rebecca Speier, currently a fellow at Duke University, will join our faculty this summer.

Olivia Kammegne-Simo will be joining our faculty from pediatric residency here at Vanderbilt as a neonatal hospitalist.

Fellow **Meaghan Ransom** has been awarded a Marshall Klaus Neonatal-Perinatal Research Award for her project, "The Role of Extracellular Vesicles in Lung Development."

Fellow **Zach Anderson** was inducted into the Alpha Omega Alpha Medical Honor Society chapter at Vanderbilt.

Fellow **Ben Crawford** received the Outstanding Basic Science Research Award at the VUMC Department of Pediatrics Research Week.

Fellow **Kevin Patel** was the recipient of a travel award to the AMIA 2022 Clinical Informatics Conference.

We have four fellows completing their training this year. **Caitlin Jacowski** will be joining Dell Children's Medical Center/Dell Medical School at the University of Texas at Austin. **Genesis Licona** will be joining Texas Children's Hospital/Baylor College of Medicine. **David Brooks** will be joining Children's Hospital and Medical Center in Omaha, NE. **Kevin Patel** will be joining Kaiser Permanente at Roseville Medical Center in Roseville, CA.

Five new fellows will be joining us in July: **Misun Jung** and **Samantha Millikan** from pediatric residency at University of Chicago, **Michael Laguarda** from pediatric residency at Walter Reed National Military Medical Center, **Ashley Markowski**, from pediatric residency at Rainbow Babies and Children's Hospital, and **Erin Von Klein** from pediatric residency at Lurie Children's Hospital/McGaw Medical Center of Northwestern University.

Please join us! Vanderbilt Neonatology will host the Annual Neonatology Symposium Advances and Controversies in Neonatal Medicine, celebrating 41 years of continuing medical education in Nashville, TN, on November 10-11, 2022. Guest faculty includes **Anna Penn**, **Suhass Kallapur**, **Steve McElroy**, **Cindy McEvoy**, and **Sarah Taylor**. State-of-the-art presentations will give updates on the pathophysiology and management of NEC, chronic lung disease, postnatal growth failure and inflammatory complications of prematurity. We will discuss the SARS-CoV-2-exposed fetus and newborn, disparities

in human milk feeding, probiotics, the role of placental *Ureaplasma* infection, non-invasive ventilation, the differential diagnoses of challenging neonatal radiologic case studies, and new and emerging alternatives to INSURE. This interactive symposium is targeted to neonatologists, nurses, fellows, NNPs, respiratory therapists, nutritionists, and others. Current COVID-19 recommendations will be followed, and CME credits will be provided. We look forward to seeing you this fall in Nashville! <https://pediatrics.vumc.org/events/2021-neonatal-symposium>

VIRGINIA

Children's Hospital of Richmond at Virginia Commonwealth University

Karen Hendricks-Muñoz was awarded a research grant from the Gerber Foundation entitled, "The Influence of Mothers Own and Donor Human Milk Fat on Gut Microbiota and Postnatal Growth Failure in the Preterm Infant."

Miheret Yitayew was selected to take part in the SPR Grant Writing 101 Workshop.

In June, **Nayef Chahin** will serve as the Associate Program Director for the Neonatal-Perinatal Medicine Fellowship.

Joseph Khoury was promoted to Associate Professor and will assume the role of Associate Medical Director of the CHOR NICU on July 1.

Jenny Fox was appointed Director of Neonatal Simulation Training.

We congratulate our graduating fellow, **Rita Hazboun!**

Our Division welcomes two new fellows in July, **Grace Mueller**, completing her chief year with VCU's pediatric residency, and **Kelly Stanley**, completing pediatric residency at the University of Arizona.

University of Virginia, Charlottesville

After 16 years, **Rob Sinkin** is stepping aside as Division Head. The reins are being assumed by **Karen Fairchild** until a new Chair is in place and a formal search for a permanent Division Head ensues. Rob will continue his position as Vice Chair for Academic Affairs in the Department of Pediatrics and remain active in the Division of Neonatology. He was recognized by the National Board for Respiratory Care, an organization upon whose board he has served for 20 years, with the Albert H. Andrews, Jr., MD Award given in recognition of a physician who has made a significant contribution to the field of respiratory care and the credentialing system. The Award is presented annually during the AARC International Respiratory Congress.

Sarah Miller was named Associate Medical Director of the NICU and was recently named as a member of the University of Virginia Academy for Excellence in Education for her contributions to student and trainee education.

Santina Zanelli was promoted to Professor of Pediatrics.

Peter Murray was promoted to Associate Professor of Pediatrics and also presented at the 4th Annual Virginia Neonatal Perinatal Collaborative's Perinatal, Maternal and Infant Mortality Summit. He spoke on the use of palliative care within the NICU environment.

Jennifer Burnsed was honored by the University of Virginia for outstanding research and scholarship in 2021 at the annual Research Achievement Awards.

David Kaufman presented at the 10th International Conference on Clinical Neonatology in Torino, Italy on, "Bundles of Quality Improvement in Neonatology: Which Measure Up Against Infections."

Bryne Sullivan presented her work on predictive analytics for sepsis to the neonatal group at Maxima Medical Center in Eindhoven, Netherlands.

Our fellows have been hard at work. **Angee June** did an excellent job leading the TECaN Journal Club on the HELIX Trial. She was also recently named as a trainee member of the UVA Academy for Excellence in Education. **Megan Elliott** gave a great talk on the use of dexmedetomidine during therapeutic hypothermia for the Newborn Brain Society and won the annual Kendig Award from the University of Virginia for excellence in research during fellowship, as well as the Quality Improvement Showcase award for best QI project.

We are excited to announce that **Jackie Wiggins** and **Megan Elliott**, our two graduating fellows, will be joining our faculty. Jackie's academic time will be focused on education and simulation and Megan's academic focus will be on QI and long-term development.

We welcome three new fellows for this year. They are **Cherise Brackett** from the University of Virginia, **Presley Parkes** from Northwestern University, and **Patricia Moran** from West Virginia.

District V: Beena Sood

INDIANA

Riley Hospital for Children and Indiana University School of Medicine, Indianapolis

William A. Engle is retiring after 37 years of service to Riley Neonatal-Perinatal Medicine and Indiana University School of Medicine. He is the Erik T. Ragan Professor of Pediatrics and Co-Founder and Medical Director of the Riley ECMO Program. His additional clinical leadership positions include Director of Clinical Affairs, Director of Neo/Peds Transport Program, Director of Neonatal Outreach Program, Director of NNP Program, Medical Director of Riley NICU and Director of Quality Improvement.

Edward A. Liechty is retiring after 34 years of service to Riley Neonatal-Perinatal Medicine and Indiana University School of Medicine. He is a Professor of Pediatrics. He has had

NIH R01 research funding continuously for 20 years and over 50 metabolism and nutrition manuscripts. In 2003, he was awarded the Fulbright Teaching/Research Scholarship that led to a global health research transition. In addition, his NICHD U01 "Global Network for Women's and Children's Health Research" grant was funded continuously for 13 years and resulted in over 60 manuscripts.

We welcome our new faculty members from 2021 and 2022: **Steven Conlon** – Heart Center NICU and BPD Program focus; **Samantha O'Neill** – Heart Center NICU and ECMO focus; **Kristin Suhrie** – Director, Perinatal Genomics Program; **Kayleigh Swaggart** – Genetic Counselor, Perinatal Genomics Program; **Mohannad Moallem** – community NICU and QI focus; **Rachel Han** – Acute Kidney Injury Program; **Brianna Liberio** – Acute Kidney Injury Program; **Ibrahim Sammour** – Lung Airway Program.

Jason Niehaus and **Emily Scott** were promoted to Associate Professor of Clinical Pediatrics.

Paulomi Chaudhry has been named Director, Heart Center NICU.

Levi Funches is the Pediatrics Residency Associate Program Director and **Sara Kane** is the Pediatric Residency Program Director.

Melinda Markham has been named Director of the Fetal Center and Director of the Neonatal Transport Program.

Jason Niehaus is now Interim Chief, Palliative Care.

Melissa Klitzman received the IU Trustee Teaching Award.

Katie Huff received the Harry Vars Award for top research project at the ASPEN National Nutrition Conference.

Sherri Bucher was awarded a supplement to NIH U01 Global Network grant from the Bill and Melinda Gates Foundation.

Osa Ekhaguere receive a NIH-KL2 Career Development Award.

Lim Kua is Co-Investigator for a NIH R21 and received a March of Dimes Basil O'Connor Career Development Award.

Congratulations to our graduating fellows! **Korre Fairman** heads to Washington University in St. Louis, MO. **Nick Severyn** joins University of Kentucky.

Welcome to our incoming fellows: **Jennifer Chmielewski** from Indiana University, **Preet Matharu** from University of Wisconsin, and **Mahati Pidaparti** from Northwestern University.

Fellow **Jackie Lajiness** has been accepted to Pediatric Scientist Development Program.

Fellows **Priya Creed** and **Blair Welch** were accepted into Clinical Education Training Pathway Program. **Priya Creed** received a CTSI Fellowship Research Grant.

MICHIGAN

The Society of Michigan Neonatologists (SOMN) Annual Conference is back! The conference, to be held on October 13-14, 2022, will include talks on the COVID Registry, PDA management, LISA, genomics, disaster preparedness, QI, and mindfulness. **Mark L. Hudak** and **Carl H. Backes, Jr.** will provide the keynote addresses. The parent panel, which has been a highlight of past SOMN conferences, will discuss parent communication and the delivery of bad news. **Steven L. Gelfand** is the Secretary for SOMN and **Krista Haines** is the President.

Bronson Children's Hospital, Kalamazoo

Andrea Scheurer has been a core clinical champion for Project Baby Deer (PBD) together with **Caleb Bupp** from Helen Devos Children's Hospital. This Pediatric Rapid Precision Medicine initiative in Michigan has increased access to inpatient rapid whole genome sequencing (rWGS) for critically ill neonatal and pediatric patients. This advocacy work resulted in Michigan Medicaid carving out policy coverage for inpatient testing as of September 1, 2021. Project analysis revealed clinical impact with 39% diagnostic rate and 27% change in management rate, with an economic impact (projected savings) of net cost benefit per patient of \$2,842. For more information and access to resources for genomic education: <https://www.mha.org/issues-advocacy/project-baby-deer/patients>

Andrea Scheurer is a core member of the All Pathways working group of the SONPM that was created in April 2022. A key aim of this group is to improve engagement and communication with neonatologists in less traditional practice settings. If you are interested in joining the All Pathways working group, please email clarasong@me.com or scheurea@bronsonhg.org.

Michigan Medicine, Ann Arbor

Steven M. Donn has been named Associate Editor for *Frontiers in Pediatrics - Neonatology*. In addition, he has co-edited *The Manual of Neonatal Respiratory Care* and an issue on pulmonary hypertension in the *Seminars in Fetal and Neonatal Medicine*.

The graduating fellows from the University of Michigan Neonatal-Perinatal Medicine Program have accepted the following positions for next year: **Mary Alice Reinhoehl** - Neonatal Associates at Spectrum Health in Grand Rapids, MI; **Katey Roberts** - Ascension Providence Hospital System in Novi, MI; **Gretchen Stepanovich** - St Joseph Mercy Health System in Ann Arbor, MI.

Naomi Laventhal is the invited speaker at the Michigan Quality Collaborative on October 12, 2022. She will talk about "Challenges in the NICU: Ethics, Collaboration, and Moral Distress."

OHIO

Aultman Hospital, Canton

Anisha Bhatia Attawala recently took over as TECaN Chair. She is also the Co-PI of the AAP Pediatric Workforce Survey of Sections

– Neonatology and was the invited speaker for the 2022 Neonatologist Provider Webinar Series sponsored by the SONPM Women in Medicine group entitled, “Current State of the Neonatologist Workforce.” Dr. Bhatia completed residency in pediatrics at the Emory University School of Medicine and fellowship in Neonatal-Perinatal Medicine at the University of Alabama at Birmingham. She will be joining Rush University Medical Center in Chicago as a neonatologist towards the end of this year.

Cincinnati Children’s Hospital Medical Center

On May 11, 2022, the Perinatal Institute hosted NeoFest 2022. The topic was “Enduring Consequences Associated with Perinatal Lung Injury”. Presentations were given by **Neil Marlow, Nara Higano, Jason Woods, Sara Demauro, Cindy McEvoy, Kara Goss, Paul Christer, Melissa House, and Sai Mukthapuram.**

Hitesh Deshmukh was elected to the American Society of Clinical Investigation.

Maria Barnes-Davis was elected to the Society for Pediatric Research.

We welcome the following faculty this year: **Faris Al Gharaibeh, Katelyn Seither** and **Christa Tabacaru** all completed their fellowships at Cincinnati Children’s; **Samantha Palmaccio-Lawton** completed fellowship in Pediatric Palliative and Hospice Medicine at Cincinnati Children’s Hospital; **Thomas Nienaber** completed a Health Science Innovation and Entrepreneurship (TL1) at the Translational Research Institute, University of Arkansas for Medical Science.

We welcome the following staff physicians this year: **Samuel Ajayi**, former attending neonatologist at Hendrick Medical Center, Abilene, TX; **Michelle Berlacher**, former Assistant Professor of Clinical Medicine, UT Southwestern, Dallas, TX; **Benjamin Napier**, former Pediatrics Medical Director and Staff Pediatrician at Wright Patterson Air Force Base, Uniformed Services University of the Health Sciences and Wright State University; **Christine Wolski**, former staff physician in hospital medicine at Cincinnati Children’s Hospitals; **Kathryn Gieselman**, current staff physician in emergency medicine at Cincinnati Children’s Hospital.

Cincinnati Children’s congratulates our 2022 Neonatal-Perinatal Medicine Fellowship graduates! **Faris Al Gharaibeh, Katelyn Seither** and **Christa Tabacaru** will be joining our faculty at Cincinnati Children’s Hospital. **Leah Fox** will be joining the faculty at the University of Chicago. **Manisha Mills** and **Indu Varier** will be joining the Mednax Southwest Ohio Practice at Miami Valley Hospital in Dayton, OH.

We welcome our incoming first-year fellows: **Andrew Barr, Kathryn Hasselfeld, Evelyn Obregon, Joshua Sheak, Patrick Smith, and Stephanie Zhang.**

We are pleased to recognize the following promotions in our Division: **Nehal Parikh** (tenured Professor), **Paul Kingma** (Professor), and **Daniel Swarr** (Associate Professor).

Kurt Schibler retired from his position as Professor of Pediatrics after more than 20 years of service at CCHMC. Dr. Schibler has been active in research throughout his career, initially in the basic science realm with a focus on molecular hematology. Here in Cincinnati, his trajectory changed to translational research and clinical trials. Dr. Schibler served as the Alternate PI for the Neonatal Research Network for many years and has also chaired Data Safety Monitoring Boards for several studies. He has a long history of NIH funding and has over 100 publications. One of Dr. Schibler’s largest contributions has been through clinical trials of darbepoetin to enhance red blood cell numbers and neurodevelopment. Additionally, Dr. Schibler has served as the Medical Director at the Good Samaritan Hospital’s Level III NICU in Cincinnati.

Jeffrey Whitsett, Tomas Korfhagen, Vladimir Kalinichenko and **Bruce Trapnell** were recognized as top physician-scientists in this year’s World Biomedical Scientist rankings.

Jae Kim, Jim Greenberg and **Stephanie Merhar** presented at the World Congress of Perinatal Medicine in Developing Countries in the Dominican Republic in June.

Cleveland Clinic

The Cleveland Clinic NICU at Fairview Hospital received the Acute Care Patient Safety Best Practice Award, Ohio Patient Safety Institute, Ohio Hospital Association for their low rates of chronic lung disease in premature infants with the use of the bubble CPAP.

Two neonatologists will be joining the Cleveland Clinic neonatology team. **Allison Osborne** completed medical school at Case Western Reserve University School of Medicine and completed residency and fellowship at Rainbow Babies and Children’s Hospital, Cleveland, OH. **Anna Benson** completed her medical education at Case Western Reserve University School of Medicine. She completed her residency in pediatrics, a Chief Resident year, and fellowship at Rainbow Babies and Children’s Hospital, Cleveland, OH.

Cleveland Clinic Children’s Hospital instituted two super-specialty programs. The Neonatal Cardiology Program is led by **Allison Peluso** who completed cross-training in cardiology and pediatric intensive care. The Neonatal Neurology-Neurocritical Care Program is led by **Ceyda Acun** and **Swetha Padiyar** who have completed cross-training in pediatric neurology, epileptology and neuro-radiology.

Cleveland Clinic Children’s hosted the 6th State-of-the-Art Reviews in Neonatal-Perinatal Medicine conference in January and February. World-renowned neonatologists provided comprehensive overviews of cutting-edge topics in neonatology with both CME credits

and MOC available. This conference was well-attended from across the globe with over 700 registrations and 300+ in attendance.

The Department of Neonatology at Cleveland Clinic Children’s hosts free-of-cost virtual lecture series for caregivers around the world. The Brain Club, Tiny Hearts, and Questions in Neonatal Ethics lecture series have speakers and attendees from various national and international institutions.

Hany Aly presented at the Canadian Pediatric Society meeting in Montreal.

Starting July 2022, Cleveland Clinic has been approved for its own Fellowship Program in Neonatal-Perinatal Medicine. We will welcome first year fellows **Rakesh Lavu** and **Somaya Abuelazm. Mohsen Farghaly** is joining us for his second year of training.

Nationwide Children’s Hospital/The Ohio State University, Columbus

Jonathan Slaughter and **Carl Backes, Jr.** were named Co-Principal Investigators of the Clinical Coordinating Center (CCC) of the NHLBI award, “Percutaneous Intervention Versus Observational Trial of Arterial Ductus in Lower Gestational Age Infants (PIVOTAL).” The objective of this 24-site randomized control trial is to determine if percutaneous closure of persistent, hemodynamically significant, and clinically symptomatic PDA between postnatal days 7-30 improves cardiopulmonary and neurodevelopmental outcomes compared to supportive intensive care management. The Data Coordinating Center (DCC) for this grant is led by **Steve Wisniewski** and **Wendy King** at the University of Pittsburgh. This five-year, \$5.5+ million award is split between the CCC and DCC.

Jonathan Slaughter was elected a Fellow of the International Society for Pharmacoepidemiology (ISPE) in April 2022. Fellowship status is awarded by the ISPE Board of Directors on the recommendation of a committee of peers. Fellows must show evidence of substantial scholarship in pharmacoepidemiology as reflected in the quality and impact of publications; a history of substantial, active and leadership roles in ISPE; participation in ISPE educational activities; and evidence of leadership in pharmacoepidemiology.

Valencia P. Walker, Associate Chief Diversity and Health Equity Officer for Nationwide Children’s Hospital, participated in the JLLH Annual Health Fair in Long Beach, CA in May 2022.

Rainbow Babies and Children’s Hospital, Cleveland

Cynthia Bearer has received R21 funding for, “Mechanisms of Bilirubin-Induced Apnea in Preterm Infants.” She also received a CTSC Pilot Grant, “The Effect of Womb Recordings on Maturation of Respiratory Control in Preterm Infants.”

The long-standing NIH R01, "Developmental Regulation of Airway Function," led by **Peter MacFarlane** and **Richard Martin** at the Case Western site, in collaboration with Mayo Clinic, will be refunded.

Richard Martin has now finalized the program for the 13th Bangkok International Neonatology Symposium, February 15-19, 2023. Speakers include **Cynthia Bearer**, **Rich Polin**, **Brenda Poindexter**, **Av Fanaroff**, **Kee-Thai Yeo** (our former fellow now in Singapore), and **David Tingay** from Melbourne.

Cynthia Bearer was Keynote Speaker at the Audrey K. Brown Kernicterus Symposium at the PAS meeting with her talk, "A Proposed Mechanism of Bilirubin Neurotoxicity in Preterm Infants with Implications for Intervention."

Pete MacFarlane chaired and spoke at the PAS Experimental Biology Lahiri-Cherniak Lecture Symposium.

Cara Beth Carr received an Outstanding Fellow Research Award for her presentation, "A Neonatal Point-of-Care Ultrasound Curriculum," at the Rainbow Babies and Children's 2022 Fellows' Science Day.

We congratulate our graduating fellows! **Anna Crist Benson** and **Allison Osborne** will join the Cleveland Clinic Foundation. **Riddhi Desai** will join Akron Children's Hospital. **Alicia Heyward** joins Marshall University Medical Center in Huntington, WV. **Sarah Jordan-Crowe** will join Shady Grove Medical Center in Shady Grove, MD.

We are excited to welcome our new fellows in July! **Stella Achenjang** completed residency at Nationwide Children's Hospital, Columbus, OH. **Shannon McAllister** joins us from residency at Cardinal Glennon Children's Hospital, St. Louis, MO. **Ariel Moore** completed residency at the Cleveland Clinic Foundation. **Eric Tano** joins us from the residency program at Nicklaus Children's Hospital, Miami, FL.

Cara Beth Carr received the 2022 Marshall Klaus/Beth Israel Deaconess Neonatology Education Research Award.

Fellow **Allison Osborne** was an invited speaker at the PAS session for the APA Ethics Special Interest Group after winning 2nd place in the annual APA/AAP trainee essay contest.

District VI: Joshua Petrikin

ILLINOIS

Ann & Robert H. Lurie Children's and Prentice Women's Hospitals, Chicago

We wish our graduating fellows the best on their new endeavors as attending neonatologists! **Ivana Brajkovic** heads to University of Washington, Seattle; **Jacqueline Meadow** will join University of Michigan, Ann Arbor; **Rianna Riffle** joins Northshore University Health System, Evanston, IL; **Dan York** heads to University of Utah, Salt Lake City.

We welcome our incoming fellows: **Cameron Boyd** from University of Chicago; **Imran Ilahi** from Goryeb Children's Hospital, Morristown, NJ; **John Mascari** from University of California San Diego and Stanford; **Spencer Millen** from Walter Reed National Military Medical Center; **Lucy Rubin** from Ann & Robert H. Lurie Children's Hospital of Chicago.

Brent Galley joined our faculty in January 2022 as Director of Neonatology Outreach for Lurie Children's.

We were pleased to receive the Outstanding Division of the Year Award for 2021-2022 from the Pediatric Residents for our commitment to resident education.

Lurie Children's recently developed a fellowship track dedicated to specialized training in perinatal palliative medicine. The Lurie Pediatric Palliative Care Fellowship has had increasing numbers of applicants with a background in neonatology with interest in pursuing a career in both neonatology and palliative care. There are currently no dedicated programs that integrate work in these fields. Our proposal and complement increase for the fellowship track has been approved, and we anticipate recruiting our first perinatal palliative care fellow to begin with the 2023-2024 fellowship class. In this first-of-its-kind fellowship experience, trainees will complete rotations in adult and pediatric hospice and palliative medicine (obtaining qualifications for Hospice and Palliative Medicine board certification). Fellows will also engage in specialized training opportunities designed to prepare them in all aspects of perinatal palliative care. Candidates for this fellowship will have completed their training in neonatal-perinatal medicine or will pursue it after the perinatal palliative care fellowship. This program is led by **Natasha Henner**, **Jessica Fry**, and **Teresa Vente**.

Our Division is actively involved in the Organization of Neonatal-Perinatal Medicine Training Program Directors. **Patrick Myers** serves as the current Chair and several faculty have been invited to give talks for their Online with Experts series, including **Raye-Ann deRegnier** and **Kerri Machut**.

James Collins has had multiple invited talks regarding his work in racial disparities, including at University of Colorado and the University of Illinois at Chicago Equity Conference.

Northwestern University Feinberg School of Medicine and The Chicago Institute for Fetal Health are hosting Fetology Chicago: Practice and Discovery on September 8, 2022. Fetology Chicago is an educational event focused on educating professionals about advances in fetal medicine. The focus this year will be on the multi-disciplinary approach to the evaluation, care and intervention for a spectrum of congenital diseases including CNS infections, spina bifida, TTTS, anomalies of the pelvis and abdomen, bladder and cloacal exstrophy, and congenital heart disease. The program will also include a special topic update on innovative advances in diagnostics and genetics relating to fetal diagnoses. **Meghan Coghlan** is the Neonatology Co-Director for The Chicago Institute for Fetal Health.

Northwestern and Lurie Children's are hosting the Midwest SPR in Chicago, September 29-30, 2022.

Save the date for The Children's Hospitals Neonatal Consortium (CHNC) Annual Symposium, October 31-November 2, 2022, in Indianapolis, IN. **Karna Murthy** is the Chair of CHNC.

Bree Andrews, Associate Professor of Pediatrics, has been named the inaugural Chief Wellness and Vitality Officer for Physicians for the Biological Sciences Division and the University of Chicago Medicine.

Rush University Children's Hospital, Chicago

Hernan Sierra joined our Division in March 2021. He is the Medical Director of the NICU at Rush Copley Medical Center and will spend time at both Rush University Medical Center and Rush Copley Medical Center.

Debra Selip transitioned to per diem status as of January 2022. We wish her well in her new position!

We are excited to welcome new fellows **Sasha Amiri** and **QuaNeicey ("Neicey") Baxter**. Dr. Amiri completed his residency at the University of Buffalo, NY. Dr. Baxter completed her residency at the University of South Carolina/Prisma Health in Columbia, SC.

We would like to welcome **Krystle Niewinski** as a new Advanced Practice Providers to our Division.

Kousiki Patra was appointed the Medical Director of the NICU in April 2022.

Andrew Berenz was appointed the Associate Medical Director of the NICU in April 2022.

Jieun David was appointed Associate Director of the Neonatal-Perinatal Fellowship in March 2022.

Rakhee Bowker was appointed Co-Director for the Rush Fetal and Neonatal Medicine Center in January 2022.

Laura Seske was appointed Co-Director of Pediatric Residency Quality Improvement and Patient Safety Track in January 2022.

Beverly Robin was invited by the ACGME to be a member of the Pediatric Subspecialty Workgroup for the review and revision of Milestones 2.0.

Beverly Robin was invited by the ABP to be a member of the Standard Setting Workgroup for the 2022 Neonatal-Perinatal Medicine Certifying Exam.

Aloka Patel was invited to present at PAS 2022 Milk Club on, "Racial Disparities in Mother's Own Milk Feedings and Innovative Strategies Being Studied."

Aloka Patel was invited to join the Scientific Advisory Council of the NEC Society.

University of Illinois College of Medicine, Peoria

We welcomed **Mehwish Sheikh** to our Division in April 2022. She completed her fellowship at Cook County Hospital in 2020. She returns to Central Illinois after spending the past several years in the Chicago area.

Praveen Kumar received the Outstanding Faculty Research Award from the Department of Pediatrics.

Nicole Rau received the Inpatient Faculty Educator Award from the Department of Pediatrics.

Ashley Fischer received the Subspecialty Faculty Educator Award from the Department of Pediatrics.

We welcome our incoming fellows **Nirzar Parikh** (Marshfield Clinic in Marshfield, WI) and **Anna-Lisa Martino** (Chief Resident at the University of North Dakota).

IOWA

University of Iowa, Iowa City

The Division of Neonatology welcomes **Jeremy Sandgren** (University of Iowa) and **Erin Mustonen Southorn** (University of Minnesota) as first year neonatology fellows. The Division also welcomes **Rachael Hyland** (Washington University in St. Louis) as a Neonatal Hemodynamics Fellow.

We wish our graduated neonatology fellow **Melanie Reyes Hernandez** (Assistant Professor of Pediatrics at University of Michigan) and our graduated neonatal hemodynamics fellows **Angelica Vasquez** (Instructor of Pediatrics at Columbia University) and **Trassanee "Pearl" Chatmethakul** (Assistant Professor of Pediatrics at University of Oklahoma) well in their new endeavors.

Jennifer Bermick was selected as an inaugural investigator in the Stead Family Scholars Program, which recognizes and supports outstanding early-career faculty who are becoming internationally recognized leaders in their respective fields of research.

Julie Lindower will serve as the Quality Officer for the Division of Neonatology.

Patrick McNamara was appointed Co-Chair of the US Division of Neonatology Chiefs and was elected to the University of Iowa Clinical Systems Committee. He was also the honored speaker at the 40th Lung Club at the PAS Annual Meeting and continued to deliver multiple international lectures at major conferences and invited professorships.

Patrick McNamara will be the site PI for the NIH NHLBI-funded study, "Percutaneous Intervention Versus Observational Trial of Arterial Ductus in Lower Gestational Age Infants (PIVOTAL)." The Iowa Hemodynamics Program will serve as the core echo lab for the study.

Brady Thomas was promoted to Clinical Associate Professor.

Ram Niwas was promoted to Clinical Professor.

Regan Giesinger was the invited speaker to the Neonatal Hemodynamics Research Center International Webinar in February 2022. She also presented at multiple national and international invited lectureships.

Edward Bell was an invited speaker in international conferences in Ireland and Australia.

Jonathan Klein presented in a workshop entitled, "Advanced Strategies for Respiratory Management in Infants with Hypoxic Respiratory Failure: High Frequency Oscillatory Ventilation" at PAS 2022, and, "Management from Resuscitation to Discharge of the Periviable Infant Born at 22 to 23 Weeks Gestation" at the 2022 Neonatal-Perinatal Conference at Nationwide Children's Hospital.

John Dagle co-chaired the 47th Annual Iowa Conference on Perinatal Medicine on April 5, 2022. The Conference is jointly sponsored by the Iowa Statewide Perinatal Care Program, the University of Iowa Roy J. and Lucille A. Carver College of Medicine, the University of Iowa Hospitals and Clinics, and the Iowa Department of Public Health.

Robert Roghair has agreed to serve as the divisional liaison for Diversity, Equity, and Inclusion.

The Division wishes **Timothy Elgin**, who served as the Director of Simulation and Resuscitation for the Division of Neonatology, well as he has accepted a faculty position at University of Wisconsin Madison. We thank him for his role in building the neonatal simulation program at University of Iowa.

Fellow **Timothy Boly** was the Midwest SPR Awardee of the SPR Award to Enhance Diversity in the Research Workforce. He was also placed on the Infectious Diseases T32 Training Grant to support his innovative work in the field of neonatal immunology.

The Neonatal Hemodynamics Lab congratulates **Melanie Morris**, pediatric resident, for being awarded the Best Resident Poster at Pediatric Research Day for her

poster, "Hemodynamically Significant Patent Ductus Arteriosus Exposure is Associated with Impaired Glucose Tolerance Among Extremely Preterm Infants in the First 14 Postnatal Days."

The University of Iowa will be hosting the Annual Clinical Cardiopulmonary Physiology for the Care of the Sick Newborn Course from October 24-28, 2022 in a virtual format. For more information contact neonatalhemodynamics@gmail.com

Iowa Neonatology Day will be held in a hybrid format on November 3-4, 2022 with a theme of "Acute Stabilization and Transport of the Critically Ill Infant." We invite all former or future Hawkeyes and any other interested individuals to register and join us by contacting jill-kinnaird@uiowa.edu

MINNESOTA

Mayo Clinic, Rochester

The Division of Neonatal Medicine welcomes **Mark Kaczor** to our fellowship program. Dr. Kaczor is a graduate of the Pediatric and Adolescent Medicine Residency at Mayo Clinic.

The Division welcomes **Stephanie Mavis** as a faculty member and education scientist. Prior to her fellowship graduation, Dr. Mavis was recognized by the Mayo Clinic pediatric residents with the Kathleen Rhodes Award for Excellence in Education.

University of Minnesota, Minneapolis

For the 6th year in a row, **Michael Georgieff** co-chaired the Central Conference on Pediatric Research sponsored by the AAP. The meeting took place in Louisville, KY on April 4-6, 2022. Dr. Georgieff co-chaired the conference with **Erika Claud** (University of Chicago) and **Barbara Warner** (Washington University).

With the help of faculty mentor **Cathy Bendel**, current University of Minnesota neonatology fellow and future faculty member, **Lauren Buckley**, started the Reach Out and Read pilot in the NICU (<https://kstp.com/kstp-news/top-news/m-health-fairview-expands-reach-out-and-read-initiative-to-nicu-first-of-its-kind-in-minnesota/>)

Sixto Guiang III was promoted to Associate Professor at the University of Minnesota.

Steven Donn (University of Michigan), **Mark Mammel** (University of Minnesota) and **Anton van Kaam** (University of Amsterdam) recently published the 5th edition of *Manual of Neonatal Respiratory Care*, a comprehensive look at the topic with contributions from experts worldwide. This work includes detailed information about the use of different ventilators used around the world and updated chapters on all types of neonatal respiratory problems and treatments. Published by Springer, it is available in both paper and electronic formats.

MISSOURI

Children's Mercy Kansas City

The Division welcomes our new fellows beginning in 2022. **Harriet Romald** is joining after completing residency at Monmouth Medical Center, Long Branch, NJ and pediatric hospitalist practice in PA. **Elise Loughman** is joining after completing residency at Children's Mercy Kansas City

We have recently graduated two fellows from our training program and wish them great success in their careers! Our graduates are **Amjad Taha**, who will be moving to St. Louis, MO, and **Jennie Godwin**, who will remain at Children's Mercy Kansas City.

Brian Carter has been named as the Interim Director of the Children's Mercy Bioethics Center.

Steven Olsen was recently awarded the Swatek Family Endowed Chair in Neonatology.

Washington University/St. Louis Children's Hospital

We are pleased to announce four new members joining our faculty this summer. **Korre Fairman** completed her residency training at Wright State University and fellowship at Indiana University with a research focus on the development and genetic basis of congenital heart disease and long-term neurodevelopment outcomes of high-risk infants. **Daniel Mammel** completed his residency training and fellowship with us at Washington University with an interest in education, having completed the Washington University Teaching Physician Pathway and a research focus on ventilatory control in preterm infants. **Lila Nolan** completed her residency training at University of Missouri and fellowship with us at Washington University with a research focus on the immune and inflammatory response in NEC. She will continue this research on our investigator track, having received an F32 Award. **Allison Schuh** completed her residency training at Mayo School of Medicine and fellowship at the University of Chicago, where she also completed a concomitant fellowship in Clinical Medical Ethics, focusing on periviability and shared decision-making.

Beverly Brozanski and **Jennifer Wambach** were named members of the American Pediatric Society.

Under **Bryanne Colvin's** leadership, our BJC Healthcare System, including St. Louis Children's Hospital (SLCH), received National Safe Sleep Hospital Certifications from Cribs for Kids. SLCH was awarded Gold Level designation.

Jesse Davis received Generate Health's 2021 Dr. Corinne Walentik Provider/Practitioner Champion Award. He has also been named a PI for an NIH Research Education Program (R25) in Innovation and Entrepreneurship for Biomedical Investigators.

Sam Julian has been appointed Co-Program Director of our Neonatal-Perinatal Fellowship.

Shawn O'Connor was elected to the EPIC National Neonatology Steering Board.

Cindy Ortinau received the 2021 Brain and Behavior Research Foundation Young Investigator Grant looking at parental wellbeing and fetal brain development in CHD.

Carly Schuetz was promoted to Assistant Professor of Pediatrics.

Zachary Vesoulis was selected by the Midwest Society for Pediatric Research as one of two investigators to showcase his research at the Joint SPR Research Showcase at this year's PAS meeting.

Keisha White was named a 2022 Washington University School of Medicine Faculty Diversity Scholar.

Fellow News

Joshua Baiel and **Jack Wren** were selected as our Chief Fellows.

Luke Viehl was selected as our Fellow Liaison to the St. Louis Children's Hospital Transport Team.

Lila Nolan served as President of the Society for Pediatric Research Junior Section this past year.

Stephanie Diggs has been appointed to a TL1 training grant from the Institute of Clinical and Translational Sciences at Washington University.

Tyler King, Ellen Schill, and Jack Wren have been appointed to T32 training grants at Washington University.

Ellen Schill was the recipient of the 2021 Midwest Society for Pediatric Research Frederic M. Kenney Award for her presentation entitled, "Ampicillin and Neomycin Exposure Alters Neonatal ENS Structure and Function."

Ellen Schill received a 2022 Marshall Klaus Neonatal-Perinatal Research Award for her project entitled, "Impact of Maternal Antibiotic Treatment on Murine Neonatal Sepsis Via Goblet Cell-Associated Antigen Pathways."

Jack Wren received a 2022 Marshall Klaus Neonatal-Perinatal Research Award for his project entitled, "Spatial Exposure of the *Bacteroides fragilis* Toxin and Its Effects on Colonic Epithelial Proliferation, Differentiation, and Predisposition to Disease."

Congratulations to our graduating fellows! **Ameena Husain** is joining the University of Utah; **Rachael Hyland** is pursuing a Neonatal Hemodynamics Fellowship at the University of Iowa Stead Family Children's Hospital, Iowa City; **Daniel Mammel** and **Lila Nolan** are transitioning to faculty here at Washington University; and **Rachel Witt** is joining the University of Minnesota.

We welcome our incoming fellows: **Andrew Carroll** (St. Louis University), **Mariah Cheaves** (Washington University), **Jessica Kris** (Cincinnati Children's Hospital), **Natasha Lalos** (Washington University), **Kelly Meyer** (Children's Mercy), and **Tara Shepherd** (Tulane University).

NEBRASKA

University of Nebraska Medical Center, Omaha

Jennifer Legino and **Pramod Shrestha** will be joining the Neonatal-Perinatal Fellowship Program at Omaha Children's/Nebraska Medicine this summer.

Ann Anderson-Berry was named the Endowed Sparks Chair of Pediatric Research, University of Nebraska.

David Brooks will be joining the Creighton University Division of Newborn Medicine this summer following completion of his neonatology fellowship at Vanderbilt.

David Bolam retired this year after a long career in neonatology and 48 years as a member of the University of Nebraska College of Medicine. He received his undergraduate degree from Creighton University in 1965 and received his medical education from the University of Nebraska. He was the first fellow in neonatology with **Gerard Van Leeuwen**. He remembers giving the first dose of surfactant and placing his first patient on ECMO. He served 14 years as a member of the SONPM Coding Committee.

**Save the Date**

15th Annual Conference
Controversies in Neonatal
and Perinatal Clinical Care
September 8 & 9, 2022

VIRTUAL

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Made possible by an
unrestricted educational
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Nutrition



SOUTH DAKOTA

Sanford Health, Sioux Falls

Michelle Baack was promoted to Professor and received an NIH/NHLBI R01 to fund a project entitled, "Dietary Interventions to Modulate Heart Health in Offspring Born to Diabetic Mothers and the Subsequent Generation."

WISCONSIN

University of Wisconsin, Madison

We welcome neonatologists **Elizabeth McBride**, **Whitley Hulse**, and **Timothy Elgin** to our faculty.

We welcome two new NICU fellows, **Ann Chacko** and **Josh Gollub**.

Eileen Cowan and **Matthew Harer** have been promoted to Associate Professor.

Dinushan Kaluarachchi was promoted to Associate Professor and named Director of Neonatal Clinical Research.

Nina Menda was promoted to Associate Professor and named Director of Neonatal Quality and Safety.

Elizabeth McBride was named Associate Program Director for the Neonatal-Perinatal Fellowship Program under Program Director **Lydia Wraight**.

Matthew Harer has been awarded a 2022 Travel Grant for Early Career Investigators by the International Pediatric Research Foundation and *Pediatric Research* for his 2021 paper, "Renal Tissue Oxygenation after Caffeine Administration in Preterm Neonates."

Pamela Kling received a one-year award from the UnityPoint Health-Meriter Foundation for her project, "SSRI Exposure during Gestation: Earlier Birth, Low Birth Weight or Small for Gestational Age." The goal of this retrospective multiple cohort dataset analysis is to examine fetal growth after concurrent SSRI and beta blocker administration.

Claudette Adegboro, Centennial Scholar, Physician Lead for the Periviable Infant Project, and Maternal Fetal Medicine Liaison, was invited to give the annual Iams-Tuffli Lecture titled, "The Age of Viability: A New Era in the Care of Extremely Preterm Infants." The Iams-Tuffli Lecture is an annual lecture series on pediatric practice named for the late Drs. Alexander Iams and Gordon Tuffli, two Madison-based pediatricians and friends who embodied the lecture series' goal of promoting camaraderie in the field of pediatrics.

District VII:
John Loyd

LOUISIANA

Louisiana State University Health Sciences Center, New Orleans

Congratulations to **Jessica Patrick-Esteve** on her promotion to the rank of Associate Professor of Clinical Pediatrics. Jessica serves as a neonatologist at our Children's Hospital

NICU and also at several community hospitals. She is active in our educational programs, notably serving as Assistant Clerkship Director for our medical students in pediatrics.

Raegan Gupta now serves as Medical Director for the NICU at Thibodaux Regional Medical Center. Raegan is an Associate Professor of Pediatrics with an interest in medical ethics, serving as Co-Chair of the Children's Hospital Ethics Committee.

Christy Mumfrey and **Julie Gallois** led a multidisciplinary project on improving transitions of care for the surgical patient that was featured on the Vermont Oxford Network Quality Improvement webinar.

Brian Barkemeyer and **Staci Olister** had the unique professional opportunity to assist in the care of an ill Sumatran orangutan born Christmas Eve after a complicated birth process. Roux, the adorable orangutan, weighed in at four pounds and experienced problems with dehydration and failure to thrive necessitating separation from his mother. After four months of care by zoo veterinarians and staff with neonatology guidance, Roux has been reunited with his mother. Stop by to see him at Audubon Zoo adjacent to Children's Hospital New Orleans.

Neonatologists from Louisiana State University Health Sciences Center and Tulane University School of Medicine now work together in providing coverage at seven NICUs in the greater New Orleans area, with clinical work centered at Children's Hospital New Orleans. This unique integration of 14 LSUHSC neonatologists and four Tulane neonatologists functions under the direction of LSUHSC Section Head and Children's Hospital Neonatology Service Line Leader **Brian Barkemeyer** in conjunction with acting Tulane Section Head **Michelle Steinhardt**.

Congratulations to **Annie Martin** and **Anne Tufton** on completing their fellowship training and joining our faculty at the Assistant Professor level. Annie's academic projects have been QI-centered, specifically on protocols for improving initial care of micropreemies, infants with developing chronic lung disease, patent ductus arteriosus in preterm infants, and opiate-exposed newborns. Anne's academic project has been centered on developing a non-invasive marker for early recognition of NEC, and her work was recognized as an outstanding presentation at our departmental research day.

An enthusiastic welcome to **Kathryn Cyrus** and **Mary Lago** who will be joining our program as new fellows. Kathryn did her residency training at the University of Alabama-Birmingham and Mary is a product of our own residency program at LSUHSC-New Orleans.

OKLAHOMA

The University of Oklahoma Health Sciences Center/Oklahoma Children's Hospital, Oklahoma City

Trent Tipple and **Edgardo Szyld** will be hosting the 5th Annual Neonatal Resuscitation Symposium on September 16, 2022 at the Devon Boathouse in Oklahoma City. The Symposium features speakers from all over the world with expertise in neonatal resuscitation research, QI, and simulation. Virtual attendance will be available. A pre-symposium simulation workshop on September 15, led by **Rachel Umoren** of the University of Washington, will focus on tele-resuscitation. More information can be found at <https://medicine.ouhsc.edu/neoresus> or by emailing **Nathan Trinidad** at nathan-trinidad@ouhsc.edu. This Symposium is supported by an AAP SONPM District VII grant.

Congratulations to the neonatal research arm of the Center for Pregnancy and Newborn Health for its rapid growth and funding success this cycle, led by **Peter Vitiello**, **Hala Chaaban**, **Edgardo Szyld**, and **Trent Tipple**. The Center officially opened in November 2021 and represents an expansive collaboration among physicians and scientists working for improved health outcomes for mothers and their babies. It is co-directed by **Peter Vitiello**, Associate Professor of Pediatrics, and **Dean Myers**, Professor and Vice Chair of Basic Science Research in the Department of Obstetrics and Gynecology.

Seven grants submitted by faculty in the Division of Neonatology received fundable scores from the Presbyterian Health Foundation. **Abhrajit Ganguly**, with mentorship from **Peter Vitiello** and **Trent Tipple**, received a Clinician Scientist Development Grant for his proposal entitled, "Role of Hydrogen Sulfide Machinery in Neonatal Airway Epithelial Programming." **Maxwell Mathias**, with mentorship from **Peter Vitiello**, received a Clinician Scientist Development Grant for his proposal entitled, "Redox Modification of Protein Phosphatases Regulating Pulmonary Vascular Development." **Hala Chaaban** received a Bridge Grant for her proposal entitled, "Prevention of Necrotizing Enterocolitis." **Trent Tipple** received a grant to fund the 5th Annual Neonatal Resuscitation Symposium. **Lora Bailey-Downs**, **Kathy Burge**, **Jeff Eckert**, and **Peter Vitiello** were co-investigators on several other grants that received fundable scores.

Edgardo Szyld was an invited speaker at the International Symposium on the Newborn Lung in March of 2022 organized by the Foundation for the Family and Newborn in Buenos Aires, Argentina. He was also a keynote speaker at the 5th International Congress in Neonatology in Buenos Aires, Argentina in May of 2022. His presentation focused on team dynamics in neonatal resuscitation as well as resuscitation of preterm infants.

Erynn Bergner joined the Board of Directors for the Oklahoma Mother's Milk Bank and will serve as their Medical Director.

Congratulations to **Faizah Bhatti**, who was voted President-Elect of the Southern Society for Pediatric Research (SSPR).

We welcome **Sarah Brewer** as our first neonatal hospitalist. She will be working to expand the hospitalist program.

Congratulations to **Jolyn Fernandes** for being inducted into the Educators for Excellence by the Vice Provost for Academic Affairs and Faculty Development at the 10th Anniversary Celebration and Induction ceremony at OUHSC in May 2022.

Congratulations to **Marjorie Makoni** for the 2022 Infant Mortality Alliance Community Health Partner Award, which honors those that make creative, innovative, and exceptional contributions to the community; are attentive to the long-term impact and sustainability of their work; and works collaboratively without seeking recognition for their contributions.

Congratulations to **Marjorie Makoni** for the Research Mentor Award from the OU Department of Pediatrics for her mentorship of pediatric resident **Ivonne Sierra-Strum** whose work is entitled, "Description of Dexmedetomidine Dosing in Neonates and its Impact on the Cardiovascular System."

The Division of Neonatology welcomes **Ulana Pogribna**, who will serve as the Neonatal Quality and Patient Safety Officer.

Congratulations to **Kelli Satnes** for graduating with a Doctorate of Nursing Practice in December 2021.

Congratulations to **Samantha Seward** for graduating with a Master's of Science in Nursing and Neonatal Nurse Practitioner degree in May 2022.

Congratulations to **Frederico Vieira** for graduating with a Master's of Science in Physiology. His dissertation was entitled, "The Pathological Role of NLRP3 Inflammasome in Oxygen-Induced Retinopathy."

Welcome to **Amber Daigle**, **Jennifer Kite**, and **Jasmine Meeks** who are joining our Nurse Practitioner group this summer.

Talha Ahmed received a Fellows Research Award from the Children's Hospital Foundation for his project in **Peter Vitiello's** lab entitled, "Maternal Overnutrition and Leptin Insensitivity in Perinatal Lung Development."

The OU College of Medicine Neonatal-Perinatal Medicine Fellowship Program, under leadership of Fellowship Director **Doug Dannaway** and Associate Fellowship Director **Erynn Bergner**, received ACGME approval to expand to seven fellows this year. We are excited to welcome **Joan Lien** and **Benjamin Schlomo** to our Program! Dr. Lien will be joining us from the University of Tennessee Health Sciences Center and Dr. Schlomo will be joining us from Loma Linda University in California.

TEXAS

Cook Children's Hospital, Fort Worth

We welcome **Richard Sidebottom** (41 years with Fort Worth Neonatology-Pediatrics) and **Susan Sward** into their retirement (23 years with Fort Worth Neonatology-Pediatrics). Congratulations to them both!

Dell Children's Medical Center, Austin

We welcome **Madeline Cayton** from the University of Chicago, Chicago IL, and **Jaitlin Jacowski** from Monroe Carell, Jr. Children's Hospital at Vanderbilt as new faculty members.

We are delighted to honor the 40+ year career, with over 20 years in the role of Division Chief, of **John Todd Scharnberg** as he retires.

John D. Loyd was promoted to Associate Professor of Pediatrics, Dell Medical School.

We welcome three physicians into our first class of our Neonatal-Perinatal Medicine Fellowship Program. **Vaibhav Bhamidipati** is originally from Richardson, TX and trained at UTSW and Baylor. **Daniel "Jesse" Janes** is originally from The Colony, TX and trained at Texas Tech and NYU. **Erica Ortiz** is originally from San Jose, CA and trained at Ohio State and Valley Children's.

Pediatrics Neonatology of Houston

Several members of Pediatrics Neonatology of Houston received faculty appointments with the University of Houston College of Medicine. Appointed as Professor were **David Horst**, **David Simchowitz**, **Peter Haney**, and **Talat Ahmed**. **Kaashif Ahmad**, **Sushma Nuthakki**, **Sarah Coors**, **Nassir Raof**, **Shehzad Huda**, **Meghali Singhal**, **Owais Khan**, **Geetha Rao**, **Sharmeel Khaira**, **Janeice Harris-Houston**, **Amy Urban**, **David Weisoly**, and **Craig Steiner** were appointed as Associate Professor. Assistant Professor appointees were **Ashley Gonzalez**, **Matt Maruna**, **Alana Carpenter**, **Charles Roitsch**, **Tiffany Molina**, **Hanine Hajj**, **Roxana Fatemizadeh**, **Tracey Baker**, **Lisa Salazar**, **Gloria Johnson**, **Sherilyn Kelly**, **Celine Nobert**, **Nikki Wilborn**.

Janice Hobbs and **David Weisoly** received faculty appointments with Sam Houston State University College of Osteopathic Medicine as Assistant Professor.

Linda Chase is the NICU Medical Director at Woodland Heights Medical Center in Lufkin, TX which was designated a Level 3 NICU by the State of Texas. This was a big accomplishment for her team in East Texas, where there are no other high acuity NICUs within 90 miles of the hospital.

David Weisoly, Pediatrics Neonatology of Houston Practice Medical Director, was an invited expert and testified at the Texas Hospital Association (THA) Joint Meeting of the THA Hospital Physician Executives and THA Quality and Patient Safety Council, in support of the need for a statewide granular patient-level database in order to truly improve quality of care and outcomes of mothers and babies in Texas.

David Weisoly and **Linda Chase** were selected by the Texas State DSHS Perinatal Advisory Council to serve on the State Survey Process Subcommittee formed to evaluate the Texas Level of Care Designation survey process and to suggest improvements in the surveys.

David Weisoly was unanimously re-elected for a second two-year term as Chair of the Texas Collaborative for Healthy Mothers and Babies (TCHMB) Neonatal Committee. The TCHMB is the Texas state perinatal quality collaborative.

Congratulations to HCA Southeast and **Meghali Singhal**, NICU Medical Director, on achieving Unit of Distinction status. HCA Southeast was the third ranked NICU in the entire company! Unit of Distinction factors in excellence in nursing practice and departmental performance with outcomes such as severe IVH, ROP, and CLABSI.

Janice Hobbs, NICU Medical Director at HCA Conroe, was elected Department of Pediatrics Chair at HCA Conroe. HCA Conroe serves the population north of Houston, TX with over 1000 deliveries per year.

Texas Children's Hospital/Baylor College of Medicine, Houston

We welcome the following new faculty members: **Alma Natural** from Medical College of Wisconsin; **Virginia Kaldas** from Lincoln Medical and Mental Health Center; **Faeq Al-Mudares**, **Stephanie Hale**, **Elena Itriago**, and **Nicole Neveln** from Baylor College of Medicine/Texas Children's Hospital; **Genesis Licona** from Monroe Carell Jr. Children's Hospital at Vanderbilt; and **Maya Brasher** from University of Texas Health Science Center, Houston.

We congratulate the following faculty on their promotions: **Amy Hair** was promoted to Associate Professor, **Regine Fortunov** was promoted to Associate Professor, **Charleta Guillory** was promoted to Professor.

Welcome to our new fellows who begin in July: **Amee Amin** from CAMC/WVU Women's and Children's Hospital; **Marie Bulathsinghala** from Louisiana State University; **Amanda Zayek** from Duke University; and **Gina Casini**, **Theodor Uzamere** and **Kelsey Kirkman** from Baylor College of Medicine.

Gal Barbut will be joining the faculty at University of Rochester Medical Center in New York.

Ahmed AlMaazmi will be returning home to his family and will practice in Abu Dhabi, United Arab Emirates.

Ahmed AlMaazmi was the recipient of the annual Arnold J. Rudolph Award given for excellence in patient care, research, integrity, and compassion.

Karen Patricia received the 2022 Baylor Early Career Award.

Milenka Cuevas received the 2022 Clark Faculty Service Award. The Clark Faculty Service Award is unique, because it acknowledges exemplary faculty contributions

that go beyond outstanding performance of an individual's specific job description or primary role(s) at Baylor. Recipients of the Award make significant service contributions and epitomize high standards of excellence, ethical behavior, integrity and attention to diversity, equity and inclusion.

Milenka Cuevas was elected as the Secretary of the Executive Board for the BPD Collaborative and International Collaborative working to improve the care and outcomes of patients with established severe BPD.

Adel ElHennawy received a 2022 Star Faculty Award for Excellence in Patient Care.

Charleta Guillory is the 2022 President of The Texas Pediatric Society, the Texas Chapter of the AAP.

UT Health San Antonio

Joseph Cantey received an R18 from NIH-AHRQ entitled, "Dissemination and Implementation of a Telehealth Program to Deliver Effective Antibiotic Stewardship Support to Rural or Medically Underserved Newborn Nurseries."

Alvaro Moreira received a K23 NIH titled, "Genomic Determinants of Bronchopulmonary Dysplasia Development in Humans and an Animal Model."

Fellow **Brandon Hadfield** and his mentor, **Margarita Vasquez**, received the Neonatal Resuscitation Program Human Factors and Education Grant Award for "Resident Education Managing ELBW Resuscitation (REMER)." The main hypothesis is that rapid cycle deliberate practice focused educational interventions will result in improvement in residents' skill performances in positive pressure ventilation, endotracheal intubation, and neonatal resuscitation as measured by scored ELBW simulation videos.

Margarita Vasquez, Neonatal-Perinatal Fellowship Director and Professor of Pediatrics, was selected as an Academy of Educational Scholars Star Educator at UT Health Long School of Medicine.

Cynthia Blanco, Professor of Pediatrics and Division Director, was chosen for the Southern Society for Pediatric Research (SSPR) Founder's Award. This award recognizes a member of the SSPR who has made significant contributions to both the health care of children and the activities of the SSPR.

Cynthia Blanco received an R01 from NIH titled, "Metabolic Mechanisms Induced by Enteral DHA and ARA Supplementation in Preterm Infants."

UT Southwestern, Dallas

Lina Chalak will take over as Interim Division Chief starting June 15, 2022.

University of Texas, Houston

Vershanna Morris rejoined our faculty in the Division of Neonatology. She is interested in expanded genetic testing in birth defects research.

Congratulations to **Tina Findley** for being promoted to Associate Professor. She was also recently selected to be a member of the Society for Pediatric Research.

Mar Romero Lopez was awarded a KL2 Mentored Research Career Development Award for her research on enteral vitamin A administration. Funding is supplied from the NIH through the Clinical and Translational Science Awards program.

Lydia Youmans was awarded a T23 grant for her research, "Effects of Transcription Factor Gene Variants on Myelomeningocele Susceptibility."

Congratulations to **Elizabeth Hillman** on being promoted to Neonatal-Perinatal Medicine Fellowship Program Director starting in July 2022. She recently earned her Master's Degree of Education in Curriculum and Instruction.

The Division is extremely grateful to **Suzanne Lopez** for her leadership as the Neonatal-Perinatal Medicine Fellowship Program Director since 2007. She will continue to support the Fellowship Program as an Associate Director and as the recently elected Vice Chair of Education for the Department of Pediatrics.

Warmest congratulations to our 2022 fellowship graduates! **Maya Brasher** accepted a position at Texas Children's Hospital in Houston. **Caroline Crocker** accepted a position at the University of Arkansas for Medical Sciences in Little Rock, AR. **Ashley Morin** and **Thu Tran** will join our Division.

Fellow **Thu Tran** was honored with the Basic Science Young Investigator Award at the 2022 SSPR conference in New Orleans, where she presented her research, "Impact of Vitamin D on Hyperoxia Acute Lung Injury in a Neonatal

Murine Model." She also earned the Society of Pediatric Research Fellows' Basic Research Award at the PAS conference in Denver.

Welcome to our incoming fellows: **Frank Abene** and **Aman Jain** from the McGovern Medical School at The University of Texas Health Science Center, Houston; **Maggie Aucoin** from the University of Arkansas for Medical Sciences, Little Rock, AR; **Brittany Graham** from the University of Tennessee Health Science Center, Memphis, TN.

District VIII: James Barry

Please join us in sunny San Diego for the 46th Annual AAP District VIII SONPM Conference on June 1-4, 2023. It will take place at the wonderful Konakai Resort and Spa (<https://www.resortkonakai.com>).

COLORADO

University of Colorado School of Medicine and Children's Hospital Colorado, Aurora

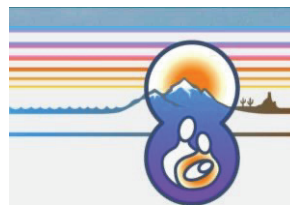
Stephanie Bourque will be assuming the role of the Associate Medical Director of the Children's Hospital Colorado Anschutz NICU.

Laura Brown is the President of the Perinatal Research Society, Past-President of the WSPR, and received an NIH R01 renewal to her project award entitled, "The Regulation of Fetal Skeletal Muscle Growth in IUGR."

Theresa Grover will step down as the Children's Hospital Colorado Anschutz NICU Medical Director and will assume the role of Associate Executive Director of the Children's Hospitals Neonatal Consortium.

Susan Hwang was awarded a two-year research grant from the American SIDS Institute for her study entitled, "Population-Based Study of Prevalence and Predictors of Sudden Unexpected Infant Death among Preterm Infants."

Clyde Wright received R01 funding from the NICHD to study the pulmonary implications of perinatal acetaminophen exposure.



District VIII SONPM

46th Annual Conference on Perinatal & Neonatal Medicine

Hosted by the Uniformed Services – West Region
Co-sponsored by the Section on Uniformed Services (AAP)
June 1st-4th, 2023 Kona Kai Resort, San Diego, CA
For more information, visit: <https://district8sonpm.org>



SAVE THE DATE!

Clyde Wright was recognized as the Jerry Elliott Memorial Lecturer at the 43rd Western Conference on Perinatal Research in Indian Wells and the WSPR Chiesi Neonatal Pulmonary State-of-the-Art Speaker.

Susan Niermeyer transitioned to Professor Emerita in January 2022. She has a long and distinguished career in Colorado and globally. She continues her pursuit of helping babies and mothers around the world in her global health endeavors.

Susan Niermeyer is a member of the WHO Technical Advisory Group for the newly revised WHO Essential Newborn Care Course released in May 2022, which incorporates much of the educational methodology from Helping Babies Breathe and Helping Babies Survive (www.hmbs.org). She is also a consultant for USAID to develop a WHO/UNICEF Operational Guide for Scaling up Small and Sick Newborn Care in low- and middle-income countries.

Graduating fellow **Nicolle Dyess** will be staying on as faculty at the University of Colorado as Assistant Professor in the Department of Pediatrics, Section of Neonatology. She also graduated in April 2022 from the University of Cincinnati with a Master's in Medical Education in Curriculum and Instruction.

Nicolle Dyess was appointed the Education Chair and ONTPD Liaison for TECaN. She serves as Co-Lead of the ONTPD and TECaN Virtual National Job Search Series for Neonatal-Perinatal Medicine fellows.

Brianna Liberio will be graduating from the Neonatal-Perinatal Medicine Fellowship Program and will join the faculty at Riley Hospital for Children at the Indiana University School of Medicine.

We welcome our incoming fellows. **Jamie Archambault** and **Emma Harding** both completed residency at University of Colorado and served as Pediatric Chief Residents prior to starting with us this summer. **Paula Dias Maia** and **Sarah Kohn** both will join us after completing their residencies at University of Colorado.

HAWAII

Kapiolani Medical Center, Honolulu

Kara Wong Ramsey is now the Associate Clerkship Director for the pediatric clerkship at the John A. Burns School of Medicine.

Lynn Iwamoto will become the Assistant Designated Institutional Official for the John A. Burns School of Medicine Graduate Medical Education programs.

NEW MEXICO

University of New Mexico, Albuquerque

Renate Savich served as the Chair of the AAP Section on Neonatal-Perinatal Medicine Women in Neonatology (WiN) group in 2021-2022, representing over 3000 women neonatologists in the US. She received the

WiNovation Award in April 2022 in Scottsdale, AZ, an annual WiN award for a woman in neonatology advocating for women in the field.

Renate Savich led a workshop for over 80 attendees on "Negotiation Skills for Women in Pediatric Subspecialties: What to Ask for and How to Get It" at the PAS meeting in Denver. She was also an invited speaker on, "Surfactant in Premature Babies: What's New?" in May at the American Pediatric Meeting/Neonatal Review Course in Beirut, Lebanon.

Renate Savich served as a member of the Helping Babies Breathe Planning Group working with WHO and the Laerdal Foundation to transition to the new digital platform for teaching neonatal resuscitation in developing countries using web-based material and videos. She also worked with AAP on a Bill and Melinda Gates Foundation Grant, "COVID-19: Mitigating Impact on Neonatal Mortality through Remote Training and Support in Nigeria and Bangladesh," and taught the new educational platform for neonatal resuscitation to health care staff in Nigeria.

OREGON

St. Charles Healthcare, Bend

Jenna Hogan, from North Carolina, will be joining us in September 2022.

Oregon Health Sciences University, Portland

The 7th Annual Northwest Neonatal Improvement Priority Alliance (NWIPA) Meeting is scheduled for Friday, November 4, 2022 in Salem, OR.

The NWIPA 2021-22 Disaster Preparedness Initiative completes in June 2022. All 12 NICUs in Oregon and Southwest Washington partnered with the Oregon Health Authority. The initiative was led by **Wannasiri Lapcharoensap**, **Nikki Wiggins**, **Dmitry Dukhovny**, and **Brenna Yard** from OHSU; **Mackenzie Loughland** and **Tiffany Price** from Asante Health, Medford, OR; and **Hillary Nicholson** from Kaiser, Portland, OR.

Sasha Ondusko received Racial Equity and Inclusion Grant from OHSU for a project to perform a needs assessment for Black and Latino/Latinx parents in the NICU.

Sasha Ondusko received the 2022 Department of Pediatrics Fellow Research Award and her mentor, **Emily Carter**, received the Department of Pediatrics Fellow Mentorship Award.

Congratulations to our two graduating fellows! **Sasha Ondusko** will be joining the faculty at OHSU and **Lauren Culbertson** will be joining the Mednax group in Portland, OR.

OHSU is excited to welcome the incoming fellows. **Frances Chiang** joins the Program after completing her residency at OHSU. **Leah Downey** joins us after completing her residency at Children's Hospital of Philadelphia followed by a year as a hospitalist there.

UTAH

Intermountain Healthcare/Primary Children's Hospital/University of Utah School of Medicine, Salt Lake City

The 1st Annual WSPR Kurt Albertine State-of-the-Art Lectureship in January 2022 was given by **Stella Kourembanas** from Harvard University School of Medicine.

The 1st Annual Jerry King MD Visiting Professor Lecture at the Annual District VIII Meeting was given by **Karen Puopolo** at Big Sky, MT in June 2022.

The Robert D. Christensen Endowed Lecture in Neonatology was given in October 2021 by **Akhil Maheshwari** from Johns Hopkins. The 2022 Lecture will be given by **Martha Sola-Visner** from Harvard University School of Medicine.

Michelle Yang received a Thrasher Foundation Early Career Award to study sildenafil for management of post-op pulmonary hypertension in CDH.

Lisa Joss-Moore received a four-year grant from Burroughs Wellcome Fund Next Gen Pregnancy Initiative to study lipid metabolism in the IUGR fetus.

Con Yee Ling was promoted to Professor of Pediatrics, Clinical Track on July 1, 2022.

Welcome to new faculty joining the University of Utah Division of Neonatology for the 2022-23 academic year. **Ameena Husain** will be joining after completion of fellowship at Washington University School of Medicine in St. Louis, MO. **Sarah Tweddell** will be joining after completion of fellowship at Emory University, Atlanta, GA. **Dan York** will be joining after completion of fellowship at Northwestern University in Chicago, IL.

University of Utah graduating fellow **Whitley Hulse** has taken a position at University of Wisconsin Division of Neonatology.

WASHINGTON

University of Washington School of Medicine, Seattle

Our Neonatology Hospitalist Program, directed by **Krista Birnie** is expanding and we are welcoming three new attending hospitalists: **Melissa Bowers** from Indiana University, **Moïna Snyder** from Driscoll Children's/Texas A&M, and **David Poole**, from Seattle Children's/University of Washington.

In June 2022, **Taylor Sawyer** became the new President of the International Pediatric Simulation Society.

UW Medicine has initiated an Extremely Preterm Program. With this program, the UW Medicine Montlake Campus NICU will offer resuscitation of preterm infants as early as 22 0/7 weeks gestation after consultation with the family.

Cristina Long was promoted to Clinical Professor of Pediatrics.

Elliott Weiss was promoted to Associate Professor of Pediatrics.

Anna Hedstrom was promoted to Associate Professor of Pediatrics.

The “Trial of Darbeopetin Plus Slow-Release Intravenous Iron to Decrease Transfusions and Improve Iron Status and Neurodevelopment in Preterm Infants (DIVI),” with PI **Sunny Juul**, will start enrolling infants at University of Washington NICU this year.

We are welcoming two new faculty members: **Katie Strobel**, coming from UCLA Medical Center (Los Angeles) and **Ivana Brajkovic**, coming from Lurie Children’s Hospital, Northwestern University (Chicago).

Congratulations to our graduating fellows! **Benjamin Al-Haddad** will be joining University of Minnesota as Assistant Professor of Pediatrics in the Division of Neonatology. **Rushab Shah** will be joining the neonatology group at Essentia Health in Fargo, ND.

Our fellowship program is welcoming two incoming fellows. **Sahar Rahiem** is completing her Hospice and Palliative Medicine fellowship at University of Kansas School of Medicine. She completed her pediatric residency at Baylor College of Medicine. **Stephanie Yeager** is completing her pediatric residency at McGaw Medical Center of Northwestern University, Lurie Children’s Hospital.

District IX: Alexis Davis

CALIFORNIA

California Association of Neonatologists (CAN)

The 28th Annual CAN/AAP District IX SONPM Conference, Cool Topics in Neonatology, and the California Perinatal Quality Care Collaborative Pre-Conference was held in a hybrid format on March 4-6, 2022 with over 500 attendees. The Conference featured nationally recognized speakers and focused on issues that impact small baby care such as management of BPD, pulmonary hypertension, probiotic use, infant feeding, high risk infant follow-up care and family-integrated care in the NICU. **Prakash Shah**, from University of Toronto and the iNeo Network, gave the keynote address on small baby care and outcomes with focus on global perspectives.

The 18th Annual Life after Fellowship Workshop was held in person on March 3, 2022 as part of the annual Cool Topics in Neonatology meeting. Approximately 25-30 NPM fellows attended the full-day workshop that covered various aspects of professional development and the business of neonatology, including personal work-life balance and selecting the right career. The 4th Annual Bhatt-Ramanathan Scholarship Award was shared by **Benjamin Macadangdang** from UCLA and **Katelyn Kramer** from UCSF, for their outstanding scientific work during fellowship and pursuing research as academic faculty at their respective institutions.

Following our successful annual conference in March 2022, **Robert Kahle** retired as our longest-serving member of the CAN Board. His contributions are immensely valued and we are grateful he will continue to contribute in his role as Past-President. **Tom Shimotake** will serve as CAN President until March 2024, with **Denise Suttner** as our President-Elect.

New members elected to serve on the CAN Board include: **Kaplpashri Kesavan** (UCLA - Southwest), **Eniko Sajti** (UCSD - Southeast), **Steve Gwiazdowski** (North Bay - Northeast), and **Tabitha Solomon** (Stanford - Northwest).

The CAN Research and Education Committee (Chair: **Meera Sankar**) has been meeting regularly via monthly conference calls. The transcutaneous bilirubin study of preterm babies less than 30 weeks’ gestation in CA NICUs, a collaborative work of 8 centers of the CAN Research Committee has been completed and a manuscript submission is in progress. The CAN Practice and Standards Committee (Chair: **Robert Castro**) continues to support the Maternal Exposure (MATEX) database on Neonatal Abstinence Syndrome management with 33 participating California centers. A new project to develop guidelines for optimal thermoregulation in the NICU setting is underway with **Christine Johnson** leading the effort.

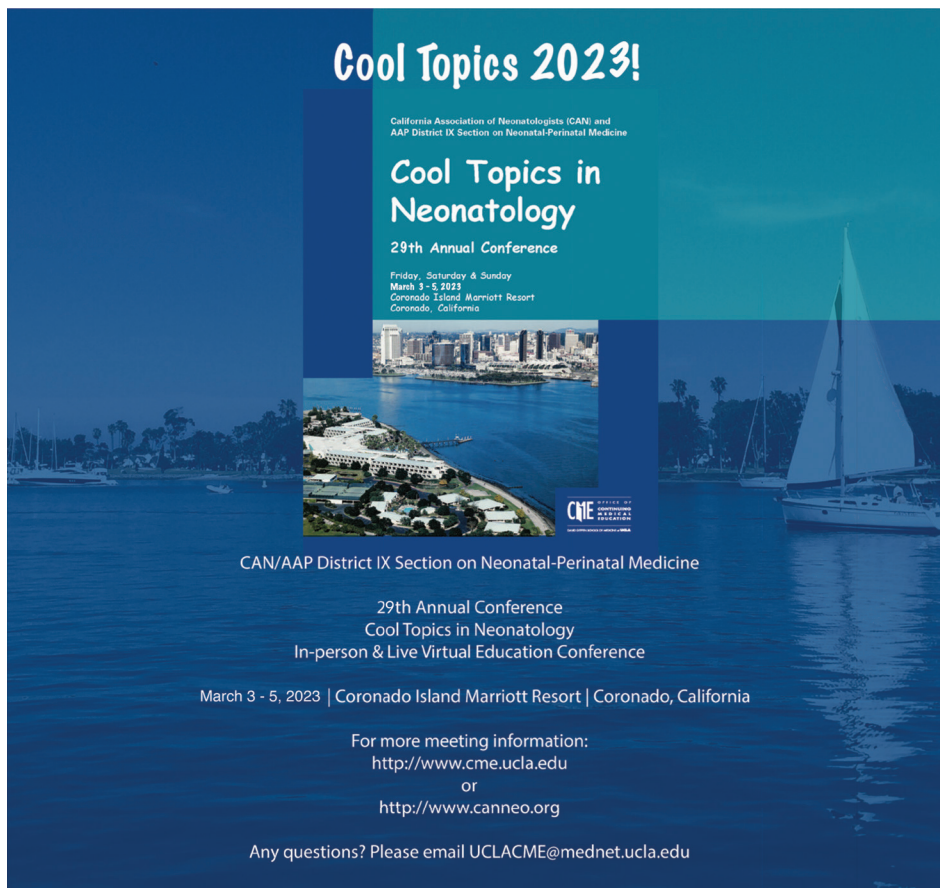
California Perinatal Quality Care Collaborative (CPQCC)

CPQCC continues to offer online learning webinars to advance the care of moms and newborns. A learning session on Paid Family Leave was hosted jointly with Legal Aid at Work in April 2022 to provide information about Paid Family Leave and State Disability support for NICU families. A recording of the presentation is available at: <https://www.cpqcc.org/engage/event/paid-family-leave>.

The Asian-American, Native Hawaiian and Pacific Islander (AANHPI) Birth Equity conference was hosted in May 2022 jointly with the Stanford Center for Asian Health Research and Education to highlight the incredible diversity of AANHPI populations and to lay the groundwork for a collaborative network to optimize care and quality in AANHPI childbirth outcomes.

In June, a webinar titled, “The Importance of Health Literacy and Parent Education in the NICU” was held that focused on health literacy and parent education through a didactic lecture, panel discussion, and large group conversations to share best practices. Details of this conference can be found at <https://www.cpqcc.org/engage/stay-informed>.

CPQCC is delighted to announce the launch of the NICUs Enabling Optimal Brain Health (NEOBrain) Collaborative, which aims to promote neuroprotective care for VLBW infants < 32 weeks gestational age. Twenty-eight NICUs around California will participate, and for the first time, every QI team will have a family representative. The NEOBrain Collaborative will focus on high impact areas of neuroprotection which include family-focused involvement in care



Cool Topics 2023!

California Association of Neonatologists (CAN) and
AAP District IX Section on Neonatal-Perinatal Medicine

**Cool Topics in
Neonatology**

29th Annual Conference

Friday, Saturday & Sunday
March 3 - 5, 2023
Coronado Island Marriott Resort
Coronado, California

CAN/AAP District IX Section on Neonatal-Perinatal Medicine

29th Annual Conference
Cool Topics in Neonatology
In-person & Live Virtual Education Conference

March 3 - 5, 2023 | Coronado Island Marriott Resort | Coronado, California

For more meeting information:
<http://www.cme.ucla.edu>
or
<http://www.canneo.org>

Any questions? Please email UCLACME@mednet.ucla.edu

from NICU admission; increasing positive environmental interactions and decreasing noxious environmental stimulation; decreasing unnecessary interventions such as pokes, blood tests, x-rays, and other assessments that do not impact medical decision-making; and creating a culture in your unit focused on neuroprotection.

Cedars-Sinai, Los Angeles

We are excited to welcome new fellows to the Harbor UCLA/Cedars-Sinai Neonatal Perinatal Medicine Fellowship Program: **Sophie Loeb** (Phoenix Children's Hospital, Phoenix, AZ) and **Christian Canarte** (New York Presbyterian-Brooklyn Methodist Hospital, Brooklyn, NY).

The Cedars-Sinai Division of Neonatology will be expanding as a part of a \$100 million gift from the Shapell Guerin Family Foundation and its President, Vera Guerin. The gift will support pediatrics and neonatology with a focus on expanding research and training programs.

Children's Hospital of Los Angeles

Enhancing the already successful collaboration and structure of our dedicated NICU pulmonary consult service at Children's Hospital Los Angeles, **Narayan Iyer** and **Manvi Bansal** (Pulmonology) have established a new referral program for newborns and infants with chronic lung diseases (CLD). This program aligns the services of the Neonatology and Pulmonary Divisions in partnership with clinical teams representing nursing, respiratory care, occupational and physical therapies, social services and nutrition to integrate care and services to improve the care of children with CLD.

Leah Yieh received the Southern California Center for Latino Health Pilot Research Grant to study and address chronic disease health disparities among Latinos.

Narayan Iyer renewed grants multiple grants: from the Garland foundation to describe the structure and function of lung in preterm infants using MRI and forced oscillometry, an NIH SBIR grant to develop a novel endotracheal tube securement device, and a NIH R13 grant to develop clinical practice guidelines for ventilator liberation in critically ill children.

Tai Wei Wu received the Reiling Family Foundation grant for newborn brain injury research.

Jennifer Shepherd co-chaired the 7th annual Neonatal Point of Care Ultrasound Workshop at the CAN annual meeting in March 2022. Next year's workshop in March 2023 is planned over multiple days to accommodate more learners and to enhance learning. As Associate Medical Director, Dr. Shepherd led the creation of the cardiac-focused team in the CHLA NICCU, which is now beginning its third year. This team focuses on care of babies with congenital heart disease in the NICCU, as well as provides neonatal consultation in the CTICU.

We welcomed to our Visiting Professor Program **Stephen Patrick**, Vanderbilt University, who provided the lecture, "The Opioid Crisis and Maternal-Child Health: Research to Inform Policy and Practice," as part of the Teresa and Byron Pollitt Family Chair in Fetal and Neonatal Medicine Visiting Professor Lectureship.

We are welcoming two new faculty members at CHLA: **Molly Easterlin** and **Kameelah Gateau** both completed their fellowships at the LAC-USC Medical Center in June 2022.

Children's Hospital of Orange County and University of California, Irvine

We are pleased to announce the appointment of dual-boarded neonatologist and child neurologist **Terrie Inder** to the newly created position of Chair of Neonatal Research in September 2022. Nationally recognized for clinical and academic excellence, Dr. Inder comes from Brigham and Women's Hospital where she served as Chair of the Department of Newborn Medicine. At CHOC, Dr. Inder will lead the development of the Center of Neonatal Research to advance scientific studies and improve clinical outcomes in the field of neonatal-perinatal medicine. In collaboration with UC Irvine, she will coordinate participation at conferences, develop doctoral and post-doctoral programs, recruit research scientists, and provide research opportunities for residents and fellows. She will also mentor staff, helping to inspire and guide research projects.

In addition to Dr. Inder's recruitment, we are excited to welcome nine other additions to our group. Attending neonatologists include **Ziad Alhassen**, **Giulia Faison**, **Bethany Hung**, **Zubin Mehta**, **Angela Claire Noltemeyer**, and **Avani Vachhani**. We will be welcoming **Sonia Aghera-Mehta** and **Allen Yiu** to our newborn hospitalist group, and **GoleNaz Kohbodi** will join as a hemodynamics fellow.

We honored three faculty members who are retiring at our annual retreat in Rancho Palos Verdes in April 2022: **David Hicks**, **Fred Shum**, and **Larry Wickham**.

Upcoming conferences hosted by CHOC include NeoHeart in August 2022 and the Academic Day for Neonatologists of Southern California in November 2022.

East Bay Newborn Specialists and UCSF Benioff Children's Hospital, Oakland

Charles (Chip) Scott joined our group in 1984 and retired from the practice of neonatology in 2021. He was an attending physician at Children's Hospital Oakland since 1984 and the Medical Director of the NICU at John Muir Medical Center Walnut Creek from 1989-2009, leading the effort to build it into a community level III NICU.

Thomas Eusterbrock retired from the practice of neonatology in 2021. Thomas was an attending physician at Children's Hospital Oakland since 1991. He has been very engaged in international medicine in Ethiopia for many years now, providing education in the NICU and newborn care.

Alex Espinoza left East Bay Newborn Specialists in 2021. He joined in 1987 and was an attending neonatologist at Children's Hospital Oakland from 1987-2020. He was the Medical Director of the NICU at Alta Bates Medical Center from 2011-2020. Alex joined the neonatology group in Fairfield, CA, North Bay Neonatology, in 2020 and will be retiring from practice in July 2022.

Jaime Tannenbaum joined in 1994, was an attending neonatologist at Children's Hospital Oakland and was the Medical Director of the ECMO program from 2016-2020. In 2021, she became the Medical Director of the NICU at Eisenhower Medical Center in Rancho Mirage.

Kimberly Larson will become the Chief of Neonatology for the Medical Staff at Children's Hospital Oakland in July 2022. She will have oversight of quality, credentialing, and peer review for the hospital medical staff. **Art D'Harlingue** will continue as the Director of Neonatology and **Priscilla Joe** as the Medical Director of the NICU.

Loma Linda University Children's Hospital

Mitchell Goldstein appeared on the May 22, 2022, episode of *60 Minutes*, "Medical Middlemen: Broken System Making it Harder for Hospitals and Patients to get Some Life-Saving Drugs" (<https://www.cbsnews.com/video/60minutes-2022-05-22/>). Dr. Goldstein discussed the ongoing shortages of common generic pharmaceuticals and how Group Purchasing Organizations play an important role in creating this situation.

Mitchell Goldstein testified to the FDA regarding the need for authorization of Novavax's NVX-CoV2373, a recombinant nanoparticle vaccine (<https://www.youtube.com/watch?v=DfdMsAqkneE>). On June 3, 2022, the FDA's advisory committee voted 21-0 (with one abstention) to recommend approval.

The Division is pleased to announce the formation of the Extension Neonatal Division at Loma Linda (ENDALL), a 501 C-3 not-for-profit. ENDALL provides a basis for current members of the Division, recently retired or non-associated clinicians, and other neonatal researchers to become involved with academic neonatology through Loma Linda. By partnering with endorsed organizations and having members participate in Entrustable Professional Activities, ENDALL provides a pathway for enhanced participation. ENDALL is located in the virtual space and will increase the interest and diversity of our faculty and promote opportunities available through the Loma Linda affiliation.

We sadly announce the passing of **Chul Choon Cha** on June 7, 2022. Dr. Cha founded the NICU at Loma Linda University and was a previous Chair of the Division. His efforts were vital to its growth and development. Aside from his valued clinical skills, Dr. Cha was a brilliant academician and provided the impetus for the guidance of future generations of Loma Linda neonatologists.

Sharp Mary Birth Hospital for Woman and Newborns, San Diego

Rebecca Dorner will be joining our group this fall as our Neurodevelopmental Follow-up Director. Dr. Dorner was the Director of the Neonatal Brain Institute at Children's Hospital of the King's Daughters, and has done work using qualitative research methods in infants with cerebral palsy and has prior NIH funding. She will be a welcome addition to the Neonatal Research Institute (NRI), leading the Nemeth NICU follow-up clinic and conducting long-term follow-up studies with the NRI.

Sharp NRI is now recruiting patients for its fifth NIH-funded study, "Delayed Cord Clamping with Oxygen in Extremely Low Gestation Infants (DOXIE)." This pilot study will test the effect of providing 100% oxygen during DCC and its effects on oxygenation in the delivery room and its potential reduction on morbidities such as severe IVH.

Anup Katheria presented, "New Approaches to Resuscitation and Technology in the Delivery Room" at the Bangkok International Symposium conference in Thailand.

Jenny Koo received a Thrasher Young Investigator Research Grant. This prestigious award is given to only 30 applicants a year, with the goal to fund applicants who will go on to become independent investigators. Last year Dr. Koo received the NRP Young Investigator Award.

Katherine Coughlin will be a speaker on developmental care at the 2022 Neonatal Hot Topics in Neonatology.

Southern California Permanente Medical Group (SCPMG)

SCPMG is grateful for the service and careers of the following neonatal intensivists who celebrated retirement over the past year: **Ashif Ahmad, Claudia Alleyne, and Zoltan Zentay.**

New hires in 2021-2022 include **Amanda Frost, Ting Yi Lin, and Clara Song.**

Maria Abrantes, Prasanti Misha and Clara Song are members of the inaugural Steering Committee for the new SONPM All Pathways Working Group, which is co-chaired by **Lily Lou and Clara Song.**

The all-new Permanente Medicine Neonatal-Perinatal Medicine Grand Rounds series, presented by SCPMG, was kicked off with, "An Update on Perinatal COVID" by **Mark Hudak**, Past Chair of AAP SONPM, co-author of AAP Guidance on COVID-19 in Newborn Care, and lead investigator for National Registry for Surveillance and Epidemiology of Perinatal COVID-19 Infection. This monthly series is open access and provides free CME and MOC Part 2 credits for all live participants. The June Grand Rounds speaker was **Satyan Lakshminrusimha** from UC Davis on, "The Pressing Need for an Optimal Pressor." The July Grand Rounds speaker will be **Courtney Wusthoff** from Stanford on neonatal seizures.

Stanford University, Palo Alto

Congratulations our graduating class of 2022 fellows: **Xuxin Chen, Pearl Houghteling, and Jonathan Reiss.** Dr. Chen accepted a position as an Assistant Professor at Columbia University. Dr. Houghteling will also be heading east, as an Instructor at Brigham and Women's Hospital. Dr. Reiss has been accepted into the Stanford Department of Pediatrics' Bridge to K Program, where he will receive mentorship and support to compete for an NIH Career Development K Award.

Caroline Yeon-Kyeong Noh has been nominated to Alpha Omega Alpha Honor Medical Society. She was chosen among her peers on account of her high academic achievement and excellent physicianship, leadership, professionalism, compassion, and service.

Janene Fuerch was promoted to Assistant Director of the Stanford Biodesign Faculty Fellowship, which provides Stanford University faculty members with advanced training and mentorship in health technology innovation. Dr. Fuerch's reproductive health company, Emme, was recently acquired by SimpleHealth.

Jeff Gould was honored as this year's Legend of Neonatology at the NEO 2022 Conference in San Diego, CA. The Legends of Neonatology Hall of Fame was established in 2007 to spotlight individuals whose clinical contributions have significantly advanced the field of neonatal medicine.

Malathi Balasundaram, the Family-Centered Care Chair at El Camino Health NICU, received the 2022 David Wirtschafter award for building a comprehensive family-centered program. Jointly given by CPQCC and CAN, the award recognizes either individual leaders or NICU QI teams whose contributions impact their unit and the larger neonatal community. Dr. Balasundaram is being honored for her efforts in recruiting passionate trainees, neonatologists, staff, and family partners to form the NICU Family Centered Care Taskforce.

Anca Pasca and her lab were awarded an R01 from the National Institute of Mental Health to study mitochondrial and metabolic defects during brain development in 22q11.2 deletion syndrome.

Jochen Profit and co-authors received the Stanford Medicine Center for Improvement, Excellence in Stanford Medicine Improvement Publications Award for the published results of the WISER study, which examined an intervention to reduce healthcare worker burnout.

Philip Sunshine retired from clinical duties in January 2022. He remains an esteemed faculty member of the Division of Neonatal and Developmental Medicine at Stanford.

University of California, Davis

We are happy to announce the graduation of three fantastic fellows: **Pranav Garlapati, Jaskiran Ranu, and Lida Zeinali.** We are extremely proud of them and we look forward to watching their careers continue to grow.

Steven McElroy was named a Review Editor for *Frontiers in Cell and Developmental Biology*, and is one of two co-facilitators for the SPR Grant Writing 101 program for junior faculty and fellows pursuing an NIH K award.

Geoanna Bautista was awarded the Dr. Anthony F. Phillips Research Award funded through the Children's Miracle Network for her work on determining the role of Piezo1 in the developing gut.

Kara Kuhn-Riordon was awarded a two-year Children's Miracle Network grant for her work on pediatric point of care ultrasound simulation.

Satyan Lakshminrusimha organized and spoke at a neonatal resuscitation pre-conference course at the PAS meeting. He also was the invited speaker at three international conferences this year: The Argentina Society of Pediatrics conference, The Congenital Diaphragmatic Hernia Glasgow conference, and The National Federation of Neonatology of Mexico.

Central Coast

Erika Fernandez was appointed as Medical Director of the Marian Regional Hospital NICU. Dr. Fernandez and **Rocky Greer**, who is the lead neonatologist at French Hospital, will be supporting the opening of a level III NICU at French Hospital in San Luis Obispo as part of the rapidly expanding Pacific Central Coast Health Centers Network.

Rocky Greer was recently appointed as the Central Coast representative for the Women's and Infant's Clinical Institute for Commonspirit. Commonspirit Health is now one of the largest healthcare providers in the US. Dr. Greer, through his participation in this institute, has brought initiatives to the NICU that have made positive impacts to neonatal outcomes including pathways for infants and mothers affected by opioid use, antibiotic utilization and management of sepsis.

University of California, Los Angeles

Fellow **Kasee Houston** received the Society for Pediatric Research PROSPER Diversity Award.

AAP SONPM Marshall Klaus awardees include **Nicole Anderson** for her project with **Sherin Devaskar** investigating the role of GLUT-3 in neurodevelopment. **Neema Pithia** also received a Klaus Award for her project with **Suhas Kallapur** looking at the role of IL-1 and TNF in macrophage-mediated immunity during intrauterine infection.

Brian Lee received a Reckitt/Mead Johnson Nutritional Travel Award for the Best Fellow Abstract from the WSPR for his project on in-vivo MRI imaging of gestational diabetes.

Esther Kim received T32 funding for her ROP project with **Allison Chu** and **Kara Calkins**.

University of California, San Diego

We are thrilled to welcome our new NICU fellows! **Errica Capossela** is from Zucker School of Medicine at Hofstra/Northwell at Cohen Children's Medical Center. **Kevin Heringman** is from Icahn School of Medicine at Mount Sinai/Elmhurst Hospital Center. **Ryan Sanchez** is from UH Rainbow Babies and Children's Hospital.

We are so proud of our 2022 graduating class and their next steps! **Emily Batton** joins Loma Linda University, **Meghana Karmarkar** joins Kaiser Santa Clara, and **Samantha Hietalati** joins UCSD/Rady Children's Hospitals.

University of Southern California/Los Angeles County Medical Center

Manuel Durand, Professor of Pediatrics at Keck School of Medicine at University of Southern California, is retiring after 39 years of dedicated service in patient care, teaching and research. As the Director of the Clinical Pulmonary Research Laboratory, he paved the way for advances in patient care, education and research. He will continue as Emeritus Professor of Pediatrics at Keck School of Medicine at University of Southern California to teach and mentor fellows from the USC/LAC-USC Neonatal-Perinatal Medicine Fellowship.

Mohammed Amin Adie will join our faculty. As a former fellow, he returns after working at Windsor Regional Hospital/Western Ontario University/University of Windsor as Adjunct Professor of Pediatrics and Altru Hospital, an affiliate of University of North Dakota Medical School. His research areas are functional echocardiography and neonatal hemodynamics.

Rangasamy Ramanathan, Professor and Division Chief of Neonatology, was an invited speaker (mostly virtual) to many countries including Sri Lanka, Philippines, Canada, Saudi Arabia, Austria, Romania, South Africa, and Uzbekistan.

Rangasamy Ramanathan became an Honorary Member of the Columbian Neonatal Society.

Members from the Division led three workshops at the 2022 PAS meeting: **Manoj Biniwale**, and **Rangasamy Ramanathan**.

Fellow **Kameelah Gateau** received the 2022 SPR Award to Enhance Diversity in the Research Workforce.

The Division hosted the 2nd Annual Preterm Nutrition and Growth Conference in person in May 2022, with over 150 attendees.

Rangasamy Ramanathan has been chosen to lead an FDA Phase 3B clinical trial sponsored by Chiesi Pharmaceuticals, "An Open-Label, Multicenter, Randomized, Controlled Study in Spontaneously Breathing Preterm Neonates with Respiratory Distress Syndrome to Compare Two Procedures for Porcine Surfactant (Poractant Alfa, Curosurf®)

Administration: A Less Invasive Method (LISA) during Non-Invasive Ventilation and the Conventional Administration during Brief Invasive Ventilation," involving 25 sites across the US.

After a successful second virtual interview season, we have six new fellows joining us in July 2022: **Piyawat Arichai** (Children's National Hospital), **Victoria Hamilton** (University of Buffalo SUNY), **Gabriella Lorusso Vivas** (Jackson Memorial Hospital), **Karla Ortiz** (NYU Langone Long Island), **Shivani Patel** (Loma Linda University), and **Ivonne Sierra-Strum** (Oklahoma University Children's Hospital).

Our six graduating fellows are joining at the following institutions to pursue their careers: **Molly Easterlin** and **Kameelah Gateau** - Children's Hospital Los Angeles; **Bryan Furr** - private practice in Texas; **Jessica Keel** - Kaiser Permanente Downey Medical

Center in Downey, CA; **GoleNaz Adeli Kohbodi** - Children's Hospital of Orange County Hemodynamics Fellowship; and **Avani Vachhani** - Children's Hospital of Orange County.

District X:
Ravi Patel

ALABAMA

University of Alabama at Birmingham

Namasivayam Ambalavanan has been appointed to the AAP Committee of the Fetus and Newborn.

Viral Jain has been awarded a KL2 from the CCTS, increasing the number of K-award junior faculty to five. The five awards include **Vivek Lal** with K08, **Ariel Salas** and **Colm Travers** with a K23, **Kent Willis** with K08 and a new K Supplement award.

SOUTHEASTERN ASSOCIATION OF NEONATOLOGISTS

36th Annual Conference

May 25 - 28, 2023

JW Marriott Marco Island Beach Resort

Marco Island, Florida



www.southeastneo.com

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Eric Eichenwald Tanis Fenton
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Nehal Parikh

SAN Contacts: Barry D. Chandler, MD, Executive Director

E-mail: bdchandler@aol.com

David Adamkin, MD, President

David.adamkin@louisville.edu

Registration is for physicians only.

Register online at: www.southeastneo.com

We are excited to have graduating fellow **Mary Silverberg** join our faculty in July. We are also excited that **Amelia Freeman** will be joining Brookwood Neonatology in Birmingham.

Maran Ramani will be leaving us to become Division Chief at University of South Alabama, Mobile.

Nora Switchenko will be joining a private practice in Salt Lake City, UT.

Mary Silverberg was awarded the Best Abstract in Basic and Translational Research at the 2022 Pediatric Research Day.

Fellow **Zaki Yazdi** was awarded the Best Abstract in Clinical Research at the 2022 Pediatric Research Day.

Fellows **Zaki Yazdi** and **Binh Vu** received a Dixon Fellowship 2022-2023.

University of South Alabama, Mobile

Maran Ramani will be the Chief of Neonatology and Professor of Pediatrics beginning in September of 2022.

Maran Ramani received a three-year award from the Thrasher Research Foundation to perform neurodevelopmental follow-up on birth asphyxiated infants who were born to mothers enrolled in the Azithromycin-Plus trial, a multinational trial with follow-up in India, Pakistan, Zambia, the Democratic Republic of Congo and Guatemala.

FLORIDA

Johns Hopkins All Children's Hospital, St. Petersburg

Prem Fort was an invited lecturer at the Global Healthcare 2022 conference and gave a presentation titled, "Caffeine for Apnea of Prematurity: Past, Present, and Future."

Prem Form with co-author **Adam Wood**, a NICU parent, published a children's book titled, *Our Respiratory Adventure: A NICU Story*. The book is for families who are currently in the NICU.

Nemours Children's Hospital, Orlando

Kanekal Suresh Gautham, Chair of Pediatrics, along with **Martin Keszler**, published the 7th edition of the textbook *Assisted Ventilation of the Neonate*.

Kanekal Suresh Gautham gave a presentation in May 2022 to the Korean Neonatal Network at their spring conference on QI in Neonatal Network.

Kanekal Suresh Gautham spoke on "Physician Burnout and Resilience" at the 1st quarterly meeting of the Central Florida Pediatric Society held on March 29 and presented a workshop at PAS 2022 on effective teaching titled, "Teach Like Socrates: The Right Way to use Questions when Teaching."

Srekanth Viswanathan has been selected as the Co-Chair of the Pediatric Special Interest Group Committee of the Dysphagia Research Society (2022-24). In addition, he has been selected as the President of the Florida

Chapter of Association of Kerala Medical Graduates, a forum for Indian physicians of Kerala state origin.

University of South Florida, Tampa

Thao (Tina) Ho and **Jaime Flores-Torres** were promoted to the rank of Associate Professor of Pediatrics. **Maya Balakrishnan** was promoted to the rank of Professor of Pediatrics.

Steven Ford will serve as Associate Program Director for the USF Pediatrics Residency Program.

We congratulate our graduating fellows: **Erica ElSeed Peterson**, **Chukwudi Ejiofor** and **Johan Vargas**.

GEORGIA

Emory University School of Medicine and Children's Healthcare of Atlanta

We are delighted to welcome our incoming faculty. **Shazia Bhombal** will be joining from Stanford University as an Associate Professor of Pediatrics and Associate Medical Director of the NICU at Children's Healthcare of Atlanta at Egleston. She will also direct divisional efforts on both BPD and point-of-care ultrasound. **Mary Lauren Neel** will be joining from Nationwide Children's as an Assistant Professor of Pediatrics. **Michelle-Marie Peña** will be joining from the Children's Hospital of Philadelphia as an Assistant Professor of Pediatrics.

Michelle-Marie Peña spoke at the launch of the next Georgia Perinatal Quality Collaborative project on Optimizing Newborn Nutrition, in a session titled, "Destination Equity in Newborn Nutrition."

We congratulate our three graduating fellows. **Sarah Tweddell** will be joining the University of Utah as an Assistant Professor. **Mattie Wolf** will continue at Emory University while completing a T32-supported MSCR program focused on understanding neighborhood-level disparities in infant mortality. **Nitya Nair** will be pursuing a one-year palliative care fellowship at Emory University with a long-term focus on perinatal palliative care.

Ravi Patel will be President of the Southern Society for Pediatric Research and will Chair the Southern Regional Meeting on February 2-4, 2023 in New Orleans, LA.

Ravi Patel is the SONPM Program Abstract Chair for the AAP National Conference and Exhibition, which will occur on October 7-11 in Anaheim, CA. The meeting will feature over 100 abstract presentations focused on neonatal-perinatal medicine.

We celebrated the retirement of **Al Brann** in June of 2022. He was the Director of the Global Collaborating Center for Reproductive Health and joined Emory in 1975 as the Director of the Division of Neonatology. He was the originating editor of the *Guidelines for Perinatal Care* (now in its 8th edition) and has influenced thousands of healthcare providers in Georgia and multiple other countries

through his collaborations with public health agencies and clinicians working to improve maternal and infant health.

The Section would like to thank the following sponsors:**Abbott Nutrition**

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 Scottsdale Awards Gala
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 ONTPD Lunch at NCE
 50 Years Commemorative Book



2023 Gravens Conference Preview

The Gravens Conference is an annual update on the science and practice of care in the NICU. The NICU environment of care has multiple components; it includes efforts to support and strengthen neurodevelopment of high-risk infants, strategies for more fully integrating families into the care of their babies, enhanced understanding of family needs and considerations as well as those of caregivers, and structural designs to support these efforts.

Day One of the conference is devoted to presenting the most current evidence on these topics. For our upcoming meeting, a substantial portion of the presentations will be focused on recent clinical evidence from small baby units and IVH prevention bundles that early, extensive human interaction, especially with the parents, leads to better outcomes even in – and perhaps especially in – extremely preterm infants. This will be followed in Day Two by presentations of several evidence-based programs that provide a structured approach to infant and family-centered developmental care to help attendees choose which of these might be appropriate to introduce into their NICU in order to optimize the neurodevelopmental outcomes of high-risk infants.

A second topic that will be explored on Day One is what can be learned from the outcomes of adults who started life in the NICU – what challenges have they faced and what changes do they recommend in our environment of care to optimize future outcomes?

Day Two will include several presentations on designing better NICUs. We will have presentations of new and innovative recently-opened NICUs and a summary of proposals accepted for inclusion in the next Recommended Standards for Newborn ICU Design.

Day Three will begin with a special plenary session on the “Courageous Conversations” NICU providers often encounter, followed by workshops on this and several other of the plenary presentations from Days One and Two. Abstract presentations of current research will complete the Day Three agenda. Day Four presentations will explore the social-emotional aspects of neonatal care for both caregivers and families that can have a considerable impact on the NICU experience.

The 36th annual Gravens Conference will meet in Clearwater Beach, FL on March 8-11, 2023. Both in-person and virtual attendance will be available. A more detailed agenda can be found at <https://paclac.org/>, along with registration information.

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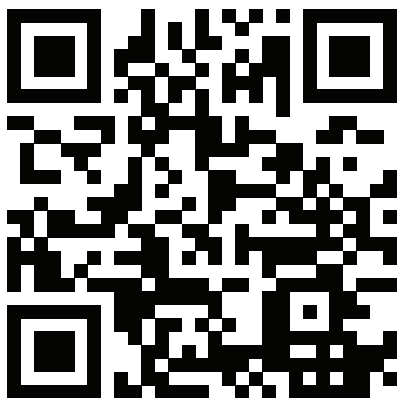


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