



Department of Pediatrics UNIVERSITY OF WISCONSIN SCHOOL OF MEDICINE AND PUBLIC HEALTH

WISCONSIN AT PAS 2025 GUIDEBOOK

Pediatric Academic Societies Meeting

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This guidebook includes a listing of all the workshops, oral abstracts, and posters that University of Wisconsin Department of Pediatrics faculty, trainees, and staff will present during PAS 2025. For the full schedule, visit PAS online at 2025.pas-meeting.org





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Speak with Department of Pediatrics faculty members and administrative leaders about ways you can train with us, learn with us, and work with us.

	5:30-6 p.m.	6-6:30 p.m.	6:30–7 p.m.	7–7:45 p.m.
APRIL 25	Cris Ebby Fellow	Cris Ebby Fellow	Sabrina Butteris Professor	Sabrina Butteris Professor
2.5			Natalia Kot Fellow	Natalia Kot Fellow
1-0-	2:30–3 p.m.	3–3:30 p.m.	3:30-4 p.m.	4-4:45 p.m.
^{APRIL}	Patrick Peebles Assistant Professor	Patrick Peebles Assistant Professor	Ande Jones Residency Continuity Clinic Director	Ande Jones Residency Continuity Clinic Director
	8:30-9 a.m.	9-9:30 a.m.	9:30–10 a.m.	10–10:45 a.m.
APRIL 27	Jingshing Wu Assistant Professor	Jingshing Wu Assistant Professor	See staff below	See staff below

STAFF AVAILABLE AT ALL TIMES



Leigh Fredericks Faculty Recruiter

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Kari Bruckner GME Program Administrator



Chris Wickler GME Program Manager



Tatiana Kahn Administrative Specialist



Erin Ryan Executive Assistant

WORKSHOPS & ORAL ABSTRACTS

7 a.m. – 1:20 p.m. | Room 308 Pre-Conference Event Topic: Nephrology

Comprehensive Review & Updates in Pediatric Kidney Transplantation – From Aloha to A Hui Hou

Sharon Bartosh, Gina-Marie Barletta, Lyndsay Harshman

7–7:20 a.m. | Room 302 PAS Post-Graduate Course Topic: Neonatal Nephrology – Acute Kidney Injury and So Much More!

Neonatal Nephrology Is a Thing: What a Long and Strange Trip It's Been Matthew Harer*

8:45–9:20 a.m. | Room 308 Oral Abstract Topic: Comprehensive Review & Updates in Pediatric Kidney Transplantation – From Aloha to A Hui

Induction & Maintenance Immunosuppression Strategies Rachel Engen* 9:45–10:15 a.m. | Room 306 Oral Abstract Topic: From Cribs to Computer Code: Surfing the AI Wave in Neonatology Al Showcase: Reading and Understanding an Al Research Paper

12:30–2 p.m. | Room 317 Workshop

Ryan McAdams*

Walking in their Shoes: Palliative Care in Chronic Kidney Disease (CKD) Care Across the Lifespan

Taylor House*, Tara Sardesai, Aviva Goldberg, Laura Castellanos Reyes, Reya Mokiao, Michael Freeman

4–5:30 p.m. | Room 317 *Oral Abstract* **Hospital Medicine 1: Clinical** Moderators: **Ryan Coller**, Jillian Cotter FRIDAY, APRIL 25

> University of Wisconsin Department of Pediatrics faculty, staff, and trainees who are first authors or co-authors of work being presented at PAS 2025 are **bolded**. Presenters or workshop leaders have an *asterisk after their name.

POSTER SCHEDULE

FRIDAY, APRIL 25

5:30–7:45 p.m. | Kamehameha Exhibition Hall

Topic: Cardiology 2 The Impact of Disability on Transition from Pediatric to Adult Care for Patients with Congenital Heart Disease

Krisjon Olson*, Xiao Zhang, Ying Cao, Hamayail Ansari, Makayla Thomas, Catherine Allen, Briana Swanson

Topic: Quality Improvement/ Patient Safety Works in Progress

Care for All Sizes: Quality Interventions in the Outpatient Setting to Decrease Weight Stigma Michael Shen*, Julia Clemens, Brittany Allen Topic: Infectious Diseases 1: Atypical and Unusual Infections Visual Function Abnormalities and Developmental Deficits in Zika Virus-Exposed Infants in a Translational Macaque Model

Karla Ausderau, Benjamin Boerigter, **Elaina Razo**, Jake Gutkes, Sabrina Kabakov, **Nicholas Krabbe**, Charlene Kim, Carol Rasmussen, Michael Nork, James Ver Hoeve, **Emma Mohr***

Topic: Neonatal General 1: Respiratory, BPD

Outcomes Following Non-Invasive Respiratory Support Failure in Moderately Preterm Infants

Jacob Elliott*, Dinushan Kaluarachchi, Patrick Peebles, Jens Eickhoff, Jennifer Brady, Megan Christensen, Kimberly Wentela

Topic: Neonatal General 4: Novel Technology and Therapies

Mitigating Acceleration Forces During Neonatal Transport Using a Novel Spring and Dampener Device

Joshua Gollub*, Ryan McAdams, Joseph Byrne, Meghan Horan, Nicole Parmenter, Sydney Polzin, Greta Scheidt, Joshua Varghese

Topic: Neonatal Pulmonology - Clinical 1: BPD: Definition, Prediction, Phenotypes/ Endotypes **Respiratory Severity Score Patterns by Birth Gestational Age among a Cohort of Extremely Preterm Infants** Patrick Peebles*

Topic: Neonatal Quality Improvement 3

Iron Deficiency Screening: A Quality Improvement Initiative Introducing Reticulocyte Hemoglobin in a Neonatal Intensive Care Unit

Whitley Hulse*, **Narmin Javadova**, Sally Norlin, Pamela Kling

FRIDAY, APRIL 25

SATURDAY, APRIL 26

WORKSHOPS & ORAL ABSTRACTS

7–8:30 a.m. | Room 322 APA SIG

APA Combined SIG: Medical Student Education and Teaching in Community | The Pediatric Workforce Crisis: What Can Frontline Educators Do to Help?

Hana Smith, Marguerite Costich, Lolita (Maria) Alcocer Alkureishi, Katherine O'Donnell, Vivien Sun, **Ann Allen**

7:50–8:15 a.m. | Room 322 APA SIG Topic: APA Combined SIG Break Outs – Brainstorming Action Plans and Report Out Ann Allen*

7–8:30 a.m. | Room 318 B Oral Abstract

Developmental Biology/ Cardiac & Pulmonary Development

Moderators: Krithika Lingappan, **Jingshing Wu**

7–8:30 a.m. | Room 326 Oral Abstract **Mental Health 1** Nithin Ron, **Ellen Selkie** 8:50–9:50 a.m. | Room 306 Networking Breakout Artificial Intelligence in Neonatology

Facilitators: Ameena Husain, **Ryan McAdams**, Zachary Vesoulis, Lindsey Knake, Kristyn Beam RSVP Required

8:50–9:50 a.m. | Kalākaua Ballroom B *Networking Breakout*

Emergency Medicine and Sedation

Facilitators: Kenneth Michelson, Fran Balamuth, **Juan Boriosi,** Rebecca Kriss Burger RSVP Required

10–10:15 a.m. | Room 314 Oral Abstract Topic: Neo-Perinatal Health Care Delivery: Practices and Procedures

Outcomes of Minimally Invasive Surfactant Therapy (MIST) in Preterm Infants: An International Observational Study of the NEAR4NEOS Network

Patrick Peebles*

10:45–11 a.m. | Room 328 Oral Abstract Topic: Technology 1: Al/ Machine Learning

Large Language Models to Translate Medical Documents to Spanish Cris Ebby*

1–2:30 p.m. | Room 327 Oral Abstract **Genomics/Epigenomics** Moderators: **Jingshing Wu**, Monica Wojcik SATURDAY, APRIL 26

SATURDAY, APRIL 26

POSTER SCHEDULE

2:30-4:45 p.m. | Kamehameha Exhibition Hall

Topic: Neonatal Nephrology/ AKI 1

Renal Oxygenation Increases with Postmenstrual Age in Preterm Neonates Derek Gross*, Shayla Schwingle, Cassandra Nelson, Eli Cowan, Matthew Harer

Topic: Neonatal Nephrology/ AKI 1

Validation of Kidney Oxygenation Monitoring with NIRS in Preterm Neonates: Kidney Location, Depth, and Laterality Differences Matthew Harer*, Lauren Gadek, Kate Walker, Shayla Schwingle, Cassandra Nelson, Paige Condit Topic: Technology 1: Al/ Machine Learning Machine Learning Analysis of Cardiotocographs (CTGs) for Predicting Neonatal Encephalopathy (NE) Among Term Infants Xiaoxu Rong, Ryan McAdams, Daniel Pimentel Alarcon, Claudette Onyelobi*

SATURDAY, APRIL 26



JOIN

US!

Saturday, April 26

6–8:30 p.m. Hilton Hawaiian Village Room: Sea Pearl I–II (Mid-Pacific Conference Center)

SUNDAY, APRIL 27

WORKSHOPS & ORAL ABSTRACTS

7–8:30 a.m. | Room 323 Workshop

Creating and Capturing Critical Metrics of Successful Scholarship in Training the Pediatrician-Scientist Workforce

Daniel Moore, Andrea Burns, Andrew Nowalk, Katherine Bline, Candace Gildner, **Emma Mohr**, Caroline Rassbach, Brian Michael Varisco, E. Vincent Faustino, Danielle Callaway, Weston Powell, Jennifer Sequoia, Puja Agrawal

7–8:30 a.m. | Room 305 *Workshop*

Kickstart Your Scholarly Work with AI By Your Side: From Hypothesis to Publication

Cris Ebby, Madhuri Prasad, Gabriel Tse, Yair Bannett, Bayley Bennett, Naveen Muthu, **Michelle Kelly**

7–8:30 a.m. | Room 327 Workshop

To Sedate or Not Sedate, Are We Doing Enough to Treat Pain and Anxiety During Medical Procedures? Juan Boriosi

7:15–7:30 a.m. | Room 318 B Oral Abstract Topic: Health Equity/Social Determinants of Health 2 Racial, Ethnic, and Language Disparities in the Receipt of Family-Centered Care

Casey O'Hare*

7:25–7:35 a.m. | Room 315 Oral Abstract Topic: Top Articles in Medical Education 2024: Applying the Current Literature to Educational Practice and Scholarship

Topic 2 Heidi Kloster*

7:50–8:15 a.m. | Room 327 Oral Abstract Topic: To Sedate or Not Sedate, Are We Doing Enough to Treat Pain and Anxiety During Medical Procedures? Not Just Drugs: Non-Pharmacologic Approaches to Treat Pain and Anxiety During Medical Procedures

10:45–12:15 p.m. | Room 313 C

Oral Abstract

Neonatal Hemodynamics and Cardiovascular Medicine 2

Moderators: Praveen Chandrasekharan, **Jingshing Wu**

Juan Boriosi*

11:30–11:45 a.m. | Room 328 Oral Abstract Topic: Medical Education 3: Medical Students Complex Learning Needs: Pediatric Clerkship Student Placement on Subspecialty and Complex Care Teams Natalia Kot* 12–12:15 p.m. | Room 313 A Oral Abstract Topic: Neonatal Neurology 6: Pre-Clinical 2

The Role of Ntrk2 within the Somatostatin Expressing Interneurons Following Neonatal Hypoxia-Ischemia Ela Bicki*, Nur Sena Cagatay,

Feyza Cetin, Furkan Camci, Murat Yildirim, Yigit Erkus, Teresita de Jesus Valdes Arciniega, Sefer Yapici, Peter Ferrazzano, Pelin Cengiz

2:45–3 p.m. | Room 327 Oral Abstract Topic: Medical Education 4: Residents Pediatric Resident Schedule Requests, Flexibility, and Accommodations: Program Leader Perspectives Jessica Babal* SUNDAY, APRIL 27

SUNDAY, APRIL 27

POSTER SCHEDULE

8:30–10:45 p.m. | Kamehameha Exhibition Hall

Topic: Endocrinology 2 Navigating Surgery, Gender Identity, and Life with a Chronic Condition: Experiences of Pediatric Patients with Clitoromegaly Due to Congenital Adrenal Hyperplasia

Tess Jewell*, Kelsey Lewis, Tessa Meurer, Angelica Scribner, Madrigal von Muchow, Jennifer Rehm

Topic: Newborn Care 1

Decreasing Unnecessary Formula Use in Late Preterm and Early Term Breastfed Infants through a Donor Human Milk Voucher Program: A Quality Improvement Project Oresta Rule*, Kristin Shadman, Elizabeth Goetz

Topic: Children with Chronic Conditions 2

Use of a Transition Checklist to Facilitate Youth-to-Adult Health Care Transition for Children with Medical Complexity Brittany Storhoff*, Mary Ehlenbach, Kristan Sodergren Topic: Medical Education 9: Teaching and Scholarship Development

The Case for an Academic Consortium Model: A Path to Productivity and Fulfillment Through Regional Collaboration

Michael Taylor*, **Nicole St Clair**, Philip Fischer, Lisa Umphrey, Emily Danich, Elizabeth Froothuis, Suet Kam Lam, Kathleen Ryan, **Sacha Horn**, **Sabrina Butteris**

Topic: Children with Chronic Conditions 2

Understanding Health Status Change in a National Sample of Children with Special Healthcare Needs Using Mixed Methods Amanda Gatewood*, Madeline Kieren, Michelle Kelly, Ryan Coller

Topic: Children with Chronic Conditions 1

Everyday Discrimination in Medical Settings for Families of Children with Special Healthcare Needs

Stefanie Ames^{*}, Elizabeth Patterson, Amy Houtrow, Christina Zigler, Huong Meeks, **Danielle Gerber**, **Amanda Gatewood**, **Ryan Coller**

Topic: Endocrinology 2

Applying Patient-Centered Language and Understanding to a Retrospective Review of Pediatric Patients with Variations of Sex Characteristics Tessa Meurer*, Tess Jewell, Angelica Scribner, Madrigal von Muchow, Kelsey Lewis, Jennifer Rehm

Topic: Endocrinology 2

Turner Syndrome Beyond the Binary: Exploring the Role of Sex and Gender Care for Patients on the Monosomy X Spectrum Tessa Meurer*, Tess Jewell, Angelica Scribner, Madrigal von Muchow, Kelsey Lewis, Jennifer Rehm

Topic: Endocrinology 2 Characterizing Medical

Care and Focused Education Offered for Pediatric Patients with Distal Hypospadias

Angelica Scribner*, Tess Jewell, Madrigal von Muchow, Kelsey Lewis, Jennifer Rehm

Topic: Nephrology 1

HLA-DQ De Novo Donor Specific Antibodies with Graft Failure in Pediatric Kidney Transplant Recipients Ankita Shahi*, Vaka Sigurjonsdottir, Daniel Turudic,

Paul Grimm, Bing Zhang

Topic: Sedation Medicine Feasibility of Pediatric Circumcision Outside of the Operating Room Using Natural Airway Sedation Juan Boriosi*, Michael Lasarev, Walid Farhat, Megan Peters

> All times listed are Hawaii-Aleutian Standard Time

SUNDAY, APRIL 27

MONDAY, APRIL 28

POSTER SCHEDULE

7–9:15 a.m. | Kamehameha Exhibition Hall

Topic: Mental Health 3 Determining the Impact of Ethno-Racial Trauma on the Well-Being of U.S. Physicians and Physician Trainees: A Scoping Review

Uchechi Oddiri*, Rakasa Pattanaik, Adam Cohen, **Mary Ehlenbach**, Kajal Khanna, **Heidi Kloster**, Laurel Scheinfeld

Topic: Children with Chronic Conditions 4

Respite and Personal Care Services for Children with Medical Complexity: A Thematic Analysis of One State's Complex System

Makenzie Morgen*, Sanaa Semia, Abby Hammes, **Mary Ehlenbach** *Topic: Children with Chronic Conditions 4*

Engaging Secondary Caregivers in Research for Children with Medical Complexity

Makenzie Morgen*, Nicole Werner, Casey O'Hare, Sophie Kooiman, James Feinstein, Michelle Chui, Gemma Warner, Anna Jolliff, Brittany Storhoff, Kristan Sondergren, Danielle Gerber, Michelle Kelly, Jens Eickhoff, Ryan Coller

Topic: Children with Chronic Conditions 4

"The Benefit is There, Right?": A Thematic Analysis of Private Duty Nursing for Children with Medical Complexity in One State

Mary Ehlenbach*, Sanaa Semia, Abby Hammes, Makenzie Morgen

Topic: Adolescent Medicine 6: Sexual & Reproductive Health

Characterizing Menstrual Management for Gender Diverse Adolescents in a Midwestern Pediatric Gender Affirming Care Clinic

Brittany Allen*, Kristin Kotleski, Ellen Selkie, Jennifer Rehm

Topic: Children with Chronic Conditions 3

The Impact of Discrimination in Medical Settings on Mental Health Among Caregivers of Children with Special Healthcare Needs George Verdelis*, Ryan Coller, Elizabeth Patterson, Amanda Gatewood, Danielle Gerber, Casey O'Hare, Stefanie Ames

Topic: Technology 3: Electronic Medical Records and Informatics

Parent Access to Clinical Notes During Pediatric Oncology Hospitalization

Madeline Kieren*, Catherine Smith, Kristina Devi Singh-Verdeflor, Ryan Coller, Michelle Kelly

Topic: Children with Chronic Conditions 4

Medication Delivery, Caregiving Network, and Caregiving Benefit and Stress Among Child with Medical Complexity Casey O'Hare*, Nicole Werner, Makenzie Morgen, Sophie Kooiman, James Feinstein, Michelle Chui, Gemma Warner, Anna Jolliff, Brittany Storhoff, Kristan Sondergren, Danielle Gerber, Michelle Kelly

Topic: Neonatal General Works in Progress

Lung Ultrasound Score to Assess Extubation Success in Neonates on Invasive Mechanical Ventilation Ann Chacko*, Adam Bauer, Eileen Cowan, Whitley Hulse, Michael Lasarev, Eric Monroe, Miranda Gathright, Ellen Diego, Marissa Paulson, Brandon O'Connor, Rachel Mansky

MONDAY, APRIL 28

MONDAY, APRIL 28

Topic: Neonatal Hematology & Bilirubin Metabolism 2 Leveraging Reticulocyte Hemoglobin Concentration in the NICU to Predict Iron Deficiency During an Infant's First Year of Life Narmin Javadova*, Pamela Kling, Michael Lasarev, Whitley Hulse

Topic: Neonatal Neurology 7: Pre-Clinical 1

Sex Differences in Hippocampal Neurosteroids Following Neonatal HI

Nur Aycan*, Teresita de Jesus Valdes Arciniega, Ela Bicki, Feyza Cetin, Sefer Yapici, Peter Ferrazzano, Pelin Cengiz

Topic: Neonatal Pulmonology - Clinical 4: Common Acute Clinical Concerns **Effect Modification of Late** Surfactant Treatment by Patent Ductus Arteriosus **Status in Ventilated Preterm Infants Receiving Inhaled Nitric Oxide** Patrick Peebles*, Nicolas Barnat, Jens Eickhoff, Tim Elgin, Roberta Keller, Jonathan Klein, Patrick McNamara, Anudeepa Sharma, Dinushan Kaluarachchi

Topic: Neonatal Neurology 7: Pre-Clinical 1

Regulation of Anxiety by Membrane Estrogen Receptor Alpha and TrkB Pathways Following Neonatal Hypoxia Ischemia

Nur Sena Cagatay*, Onur Taparli, Ela Bicki, Temour Sheikh, **Furkan Camci, Feyza Cetin, Sefer Yapici, Peter Ferrazzano, Pelin Cengiz**

Topic: Neonatal Neurology 7: Pre-Clinical 1

Pharmacokinetics of 7,8-Dihydroxyflavone in Neonatal Mice with Hypoxia-Ischemia Related Brain Injury

Sin Yin Lim^{*}, Cameron Scarlett, **Sefer Yapici**, **Pelin Cengiz**

WORKSHOPS & ORAL ABSTRACTS

9:15–9:30 a.m. | Room 312 Oral Abstract Topic: Children with Chronic Conditions 1

Preventing Respiratory Illness in Cerebral Palsy: Results of a Pilot Randomized Controlled Trial Kristina Singh-Verdeflor* 11:15–11:30 a.m. | Room 328 Oral Abstract Topic: Medical Education 5: Trainees

Impact of Legislation Restricting Access to Gender-Affirming Care for Youth in the United States on Medical Student Plans for Residency Tess Jewell* MONDAY, APRIL 28

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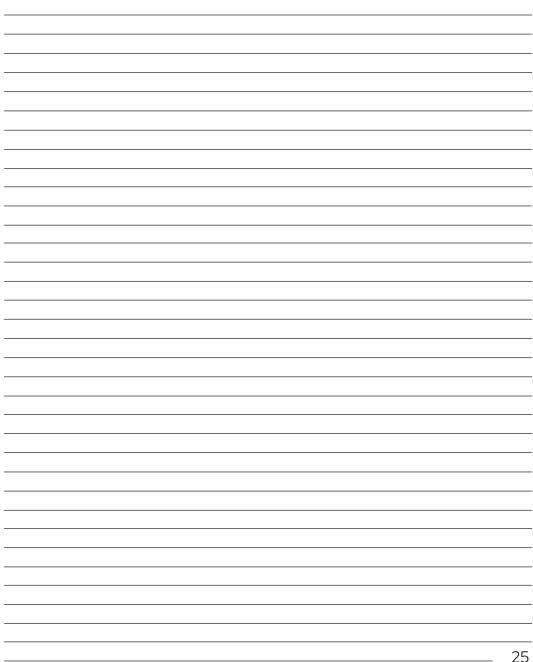
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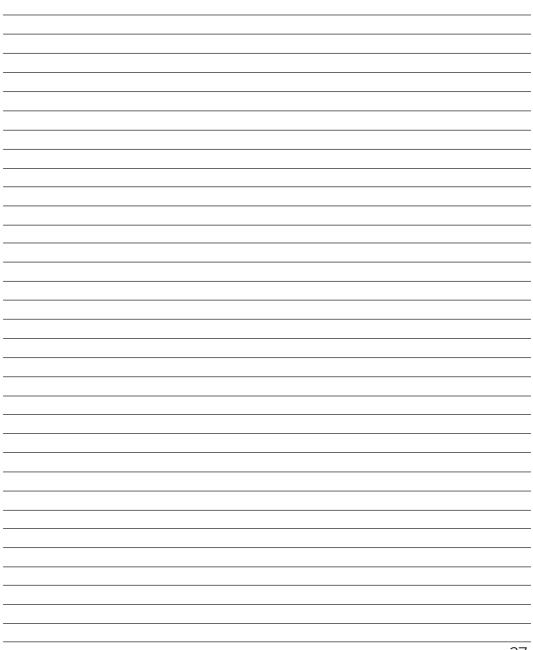
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You are warmly invited to the University of Wisconsin Department of Pediatrics Reception during the Pediatric Academic Societies (PAS) Meeting. Join us for hors d'oeuvres and beverages, as well as networking and conversation.

JOIN

US!

Saturday, April 26

6–8:30 p.m. Hilton Hawaiian Village Room: Sea Pearl I–II (Mid-Pacific Conference Center)