

Department of Neonatology

New Fellows



Katie Ballantyne MD – Dr. Ballantyne joins us from her residency with the Boston Combined Residency Program (BCRP). She completed her undergraduate studies at Palm Beach Atlantic University and then her Medical Degree at the University of Central Florida College of Medicine. During her residency, she conducted research on current antimicrobial practices/antimicrobial stewardship in NICUs across the US. She hopes to continue studying infectious diseases in the NICU through Fellowship.



Lauren Claus MD – Dr. Claus completed her residency through the Massachusetts General Hospital Pediatric Residency Program. Prior to residency, she completed her undergraduate degree in English at Harvard University and then her Medical Degree at Johns Hopkins University School of Medicine. During residency, she explored outcomes of infants born to parents who receive magnesium for the treatment of non-severe preeclampsia while also looking at the NICU experience for families who have limited English proficiency. She hopes to continue investigating the influence of materials and sociodemographic factors on neonatal outcomes during Fellowship.



Allison Fialkowski MD - Dr. Fialkowski joins us from the Boston Combined Residency Program (BCRP). She completed her undergraduate studies in Nursing at Emory University, an Honors Program in Nutritional Science through the University of Georgia and her MD at Harvard Medical School. During residency, she studied refeeding-like syndrome in very-low birth weight infants. She hopes to continue focusing on neurodevelopmental outcomes of perinatal care during Fellowship.



Tatyana Johnson MD – Dr. Johnson completed her residency at Northwestern University Feinberg School of Medicine. She obtained her undergraduate degree in Biology from Wellesley College and her MD from Emory University School of Medicine. During residency, her research has focused on studying discrimination as a social determinant of periconceptional diets. During Fellowship, she hopes to continue her research on prenatal care and interventions that address dietary risks and disparities.

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Jennifer Lee MD – Dr. Lee comes to us from the Boston Combined Residency Program (BCRP). She completed her undergraduate degree in Computer Science, Biology and Music at the Massachusetts Institute of Technology, in addition to graduate degree in Computer Science. She obtained her MD from Washington University in St. Louis School of Medicine. During residency, she worked on a computational genetics project to better understand disease-relevant outcomes and patient genomes. She is looking forward to continue applying her expertise in computer science in the clinical setting throughout Fellowship.



Hayley Martin MD, PhD – Dr. Martin comes to us from a Residency at the Children's Hospital of Philadelphia (CHOP). She completed her undergraduate degree at the State University of New York College at Geneseo in Biology and Anthropology and her MD/PhD at the University of Rochester School of Medicine and Dentistry. During residency, she primarily looked at the risk factors for postpartum depression in relation to NICU exposure, developing particular skills in informatics. She also comes with expertise in breastfeeding and maternal mental health from her doctoral training in epidemiology. During Fellowship, she hopes to continue exploring the impact of maternal mental health on breastfeeding outcomes.



Sitarah Mathias MD – Dr. Mathias completed her residency through the Boston Combined Residency Program (BCRP). She obtained her MD from St. Johns Medical College. During residency, she has scoped evidence for different antibiotic regimens in infant infections. She has also collaborated with Cloudphysician Pvt Ltd, a tele-ICU company as well as the BCH NICU on projects related to understanding factors that contribute to neonatal AKI, to identify strategies to be used in low resource settings. She hopes to continue with her research around advancing neonatal care in low resource limited settings, particularly around neonatal AKI, during Fellowship.

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Presentations

Angelidou A, "Putting vaccination in context: a shifting paradigm." June 2, 2025

Angelidou A, World Vaccine Congress, "Distinct Considerations for Immunization in Early Life," Washington, DC. April 24, 2025

Brodsky D, Neonatology Insights Conference, in collaboration with Connecticut Children's Hospital, "Fetal and Transitional Cardiovascular Physiology and Clinical Applications." May 30, 2025

***Brodsky D**, Pediatric Academic Societies Meeting, "Enhancing Neonatology Fellow Leadership & Feedback During Prenatal Consults," Honolulu, HI. April 2025

Church PT, PNQIN, Regional collaborative for QI initiatives, "Language in NICU," Norwood, MA. May 22, 2025

Church PT, University of Kentucky, "F Words in Neonatology," Lexington, KY. May 13, 2025

Fraiman YS, Pediatric Academic Societies Annual Meeting, "Development, Implementation, and Impact of the Healthcare Racial Justice Assessment Tool (HC-RJAT), a Novel Tool to Identify and Address Healthcare-based Structural and Institutional Racism." 2025

***Fraiman YS**, Pediatric Academic Societies Annual Meeting, "Moving Upstream: Creating Targeted Interventions to Address Structural Racism in Clinical Settings." 2025

Goldstein J, 2025 PNQIN Spring Summit, "SDOH Screening at the Winchester Hospital Special Care Nursery," Norwood, MA. May 22, 2025

Gupta M, Nemours Quality Scholars Seminar Series (Virtual), "Publishing Quality Improvement: Why, Why Not, and a Little Bit of How," Wilmington, DE. April 30, 2025

Gupta M, 2025 Pediatric Academic Societies Annual Meeting, "Statistical Process Control for Quality Improvement: Making and Using Control Charts," Honolulu, HI. April 28, 2025

Gupta M, 2025 Pediatric Academic Societies Annual Meeting, "Writing and Publishing Quality Improvement: Practice, Pitfalls, and Perspectives (from Journal Editors!)," Honolulu, HI. April 27, 2025

Gupta M, Academic Pediatric Association Annual Quality Improvement Conference, "Advanced Statistical Process Control: Challenging Cases and How to Approach Them," Honolulu, HI. April 25, 2025

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Presentations

Gupta M, Academic Pediatric Association Annual Quality Improvement Conference, "Hands-On Statistical Process Control: Making Run Charts & Control Charts," Honolulu, HI. April 25, 2025

Ilzarbe CM, Perinatal-Neonatal Quality Improvement Network of MA (PNQIN), Boston University - Chobanian & Avedisian School of Medicine/CCE, "Hospital Team Changes for Opiate Exposed Pregnancies and Newborns: Prenatal Screening and 51-A Reporting," Norwood, MA. May 22, 2025

King B, Pediatric Academic Society Annual Meeting 2025, "Cost-effectiveness analysis of pre-discharge car seat tolerance screening compared to no screening among preterm infants in the United States," Honolulu, HI. April 27, 2025

King B, Pediatric Academic Society Annual Meeting 2025, "Car Seat Tolerance Screening – Systematic Review and Meta-analysis of Single-arm and Intervention Studies," Honolulu, HI. April 25, 2025

King B, Pediatric Academic Society Annual Meeting 2025, "Evaluating Trustworthiness: Identifying Spin, Fraud, and Deception in Modern Research," Honolulu, HI. April 25, 2025

McAlmon KR, NeoSOAR Conference, Beth Israel Deaconess Medical Center, "What Do You Do When A Baby Falls?," Boston, MA. May 1, 2025

Pursley D, Pediatric Academic Societies, APS/SPR/AAP, "Seeking Solutions for Increasing Representation of Black Men in Academic Pediatrics Through a Life Course Framework," Honolulu, HI, United States. April 27, 2025

****Mourao M, Santoro K**, Pediatric Academic Societies Meeting, "Gestational Age, Feeding Type, and Infant Feeding Behaviors in Very and Extremely Preterm Infants," Honolulu, HI. April 28, 2025

Severson PA, OB Leadership Committee, Beth Israel Deaconess Medical Center, "Evaluation and Treatment of Newborns at Risk for Herpes Simplex Virus (HSV) Infection," Boston, MA. June 2025

Whitesel E, Vermont Oxford Network Webinar, "First Family Update: Learning from the Family Experience," Virtual. June 2025

Zupancic J, Harvard Neonatology Fellows' Annual Retreat, "Introduction to Value-focused Care in Neonatology" May 2025

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Publications

Violari A, Otworld K, Hahn W, Chen S, Josipovic D, Baba V, **Angelidou A**, Smolen K, Levy O, Mkhize NN, Woodward Davis AS, Martin TM, Haynes BF, Williams WB, Sagawa ZK, Kublin JG, Polakowski L, Brewinski Isaacs M, Yen C, Tomaras G, Corey L, Janes H, Gray GE. Safety and implementation of phase 1 randomized GLA-SE-adjuvanted CH505TF gp120 HIV vaccine trial in newborns. *The Journal of clinical investigation*. 2025 Apr 3. doi: 10.1172/JCI186927. PMID: 40178906.

Andrews C, Vodapally S, Foster LP, Lawandy I, Murphy M, Castellanos M, Moncada D, Mourao ML, Bhushan B, Berger PK, Fichorova R, Monthé-Drèze C, Freedman SD, **Angelidou A**, Martin C, Sen S. Cohort profile: Mother and Infant Metabolome and Microbiome (MIMM) study, a prospective cohort study of mothers and infants in Boston, Massachusetts. *BMJ open*. 2025 Jun 18; 15(6): e096957. doi: 10.1136/bmjopen-2024-096957. PMID: 40533202; PMCID: PMC12182119.

Celestin G, Pierce L, Valdes V, Urbina-Johanson SA, **Barrero-Castillero A**, Vyas C, Senese S, De Vivo I, Nelson C. Telomere Length and Change Among Infants Growing up in Low- to Mid-Income Households. *Dev Psychobiol*. 2025 May; 67(3). Available from: <https://onlinelibrary-wiley-com.ezp-prod1.hul.harvard.edu/doi/epdf/10.1002/dev.70047>. doi: 10.1002/dev.70047. PMCID: 40358587.

Callahan KP, Martin AE, Cetin A, **Church PT**, Guttman KF, Duncan AF. Parental Perspectives on Development in Children Born Extremely Preterm. *The Journal of pediatrics*. 2025 Apr 23; 283: 114618. doi: 10.1016/j.jpeds.2025.114618. PMID: 40280474.

Church PT, Rule A, Banihani R. Pediatric Residency Program Diversity Statements-A Beacon for Students From Underrepresented Minority Groups. *JAMA network open*. 2025 May 1; 8(5): e2513016. doi: 10.1001/jamanetworkopen.2025.13016. PMID: 40445625.

Dahan M, Rotteau L, Rolnitsky A, Higazi S, Kwakye O, Lai GWS, Moulds W, Sampson L, Stannard J, O'Brien K, **Church PT**. The Family Snapshot-Innovation to integrate family context into daily interactions in the NICU. *Acta paediatrica (Oslo, Norway : 1992)*. 2025 May 1; 114(5): 913-921. doi: 10.1111/apa.17503. PMID: 39568410; PMCID: PMC11976113.

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Publications

Thivierge E, Luu TM, Rosenbaum P, **Church PT**, Pearce R, Janvier A. Looking beyond diagnoses to functioning: using the F words and personalizing care in neonatology. *Seminars in perinatology*. 2025 Jun 18: 152102. doi: 10.1016/j.semperi.2025.152102. PMID: 40537363.

Ibikunle O, Kahn-Boesel O, Yu S, Wang S, Tolchin D, **Fraiman YS**, Kasper J, Mulugeta W, Thomas AM, Cha J, Batool-Anwar S, Gold-Gomez S, Kirwan C, Jarvie EJ, Wasden K, Olveczky D, Molina RL. Best Practices for Partnering With Interpreters in Clinical Encounters: A Multimodal Approach for Teaching Medical Students. *Cureus*. 2025 May 28; 17(5): e84948. doi: 10.7759/cureus.84948. PMID: 40585745; PMCID: PMC12203625.

Fraiman Y, Barrero-Castillero A, Boss RD. The ethical imperative to pursue neonatal health equity and justice. *Seminars in Perinatology*. 2025 May 29. doi: 10.1016/j.semperi.2025.152096. PMID: 40447547.

Fraiman YS, Myrick JC, Kagan C, Beauchamp D, Blades P, Copertino R, Larson E, Fadel C. Creating the Healthcare Racial Justice Assessment Tool (HC-RJAT): A Novel Tool to Identify Modifiable Loci of Structural Racism in the Healthcare Setting to Guide Equity-Focused Improvements. *Journal of racial and ethnic health disparities*. 2025 Jun 24. doi: 10.1007/s40615-025-02516-4. PMID: 40555899.

Mascarenhas M, Peacock-Chambers E, **Fraiman YS**, Kerzner LS, Schiff DM. Engagement With Recommended Developmental Follow-up and Supports Among Infants With Intrauterine Opioid Exposure. *Journal of developmental and behavioral pediatrics : JDBP*. 2025 Jun 24. doi: 10.1097/DBP.0000000000001372. PMID: 40601929.

Herzberg EM, Bates SV, Boulanger J, Culic I, El-Dib M, El-Shibiny H, **Gupta M**, Hansen A, Inder T, Joung KE, Keohane C, Landers JR, Patrizi S, Sansevere A, Walsh BH, Zhang B, Soul JS. Association of Two Neonatal Encephalopathy Scores with Neurophysiology in Newborns with Suspected Hypoxic-Ischemic Encephalopathy. *Neonatology*. 2025 May 11: 1-12. doi: 10.1159/000545422. PMID: 40349687.

Healy, H, Neonatology Quality Improvement Collaborative Respiratory Care Collaborative of New England 2025 Vermont Oxford Network Comparative Data Report: 2025.

Ozdogan E, **Yannekis G**, Goldenson RP, Tung S, Hossain T. A Hidden Twist: Unilateral Blue Scrotum in a Very Preterm Infant in the Delivery Room. *Neoreviews*. 2025 Jun 1;26(6):e427-e431. doi: 10.1542/neo.26-6-028. PMID: 40449921.