

BREE LANDIS ANDREWS, MD, MPH

ACADEMIC and HOSPITAL APPOINTMENTS

- 2022- Chief Wellness and Vitality Officer, Biological Sciences Division and UChicago Medicine
- 2018 - Associate Professor, Department of Pediatrics, The University of Chicago, Chicago, IL
- 2011 – 2018 Assistant Professor, Department of Pediatrics, The University of Chicago, Chicago, IL
- 2007 - 2011 Instructor, The University of Chicago

ACADEMIC TRAINING

- 1991 - 1995 B.S. Biology The University of California at San Diego, San Diego, CA
- 1996 - 2001 M.D. The University of Illinois at Chicago, Chicago, IL
MPH The University of Illinois at Chicago, Chicago, IL
- 2001 - 2004 Residency, Department of Pediatrics, The University of Chicago Hospitals, Chicago, IL
- 2004 -2007 Fellowship, Section of Neonatal and Perinatal Medicine, Department of Pediatrics, The University of Chicago, Chicago, IL
- 2022 Stanford Chief Wellness Officer Certification, Palo Alto, CA

BOARD CERTIFICATION

- 2004, 2014 Pediatrics, American Board of Pediatrics MOC cycle
- 2010 Neonatology, American Board of Pediatrics MOC cycle

HOSPITAL AFFILIATIONS

- 2001 – present The University of Chicago Hospitals
- 2002 - 2022 La Rabida Children's Hospital, Chicago, IL
- 2012 - 2023 Little Company of Mary Hospital, Oak Lawn, IL
- 2007 - 2015 Mercy Hospital and Medical Center, Chicago, IL
- 2007 - 2009 Ingalls Memorial Hospital, Harvey, IL
- 2007 - 2019 MacNeal Hospital, Berwyn, IL

SCHOLARSHIP

(a) Peer-reviewed publications in the primary literature, exclusive of abstracts:

1. **Andrews B.** 2004. Residents Must Develop a Plan for Addressing Overweight in Children. Pediatric Annals. 33(1): 65-69.
2. Meadow W, Lagatta J, **Andrews B**, Caldarelli L, Kaiser A, Laporte J, Plesha-Troyke S, Subramanian M, Wong S, Hron J, Golchine N, Schreiber M. 2008. Just In Time: Ethical Implications of Serial Predictions of Death and Morbidity for Ventilated Premature Infants. Pediatrics. 121(4): 732-40.
3. Singh J, Fanaroff J, **Andrews B**, Caldarelli L, Lagatta J, Plesha-Troyke S, Lantos J, Meadow W. 2007. Resuscitation at the 'gray zone' of viability: determining physician preferences and predicting infant outcomes. Pediatrics. 120(3): 519-26.
4. Verhagen A, Janvier A, **Andrews B**, Leutner S, Lagatta J, Bos A, Meadow W. 2010. Categorizing neonatal deaths; a cross cultural study in the USA, Canada and the Netherlands. J Pediatrics. 156(1): 33-37.

5. Janvier A, Meadow W, **Andrews B**, Leutner S, Lagatta J, Bos A, Lane L, Verhagen E. 2011. Whom are we comforting? An Analysis of Comfort Medications Delivered to Dying Neonates. J Pediatrics. 159(3): 206-10.
6. Lavalenthal N, Spelke B, **Andrews B**, Larkin, L, Janvier A, Meadow, W. 2011. Ethics of Resuscitation at Different Stages of Life: A Survey of Perinatal Physicians. Pediatrics. 127(5) : e 1121-29.
7. Lagatta J, **Andrews B**, Caldarelli L, Schreiber M, Plesha-Troyke, S, Meadow W. 2011. Early Neonatal Intensive Care Unit Therapy Improves Predictive Power for the Outcomes of Ventilated Extremely Low Birth Weight Infants. J Pediatrics. 159(3): 384-91.
8. **Andrews B**, Lagatta J, Chu A, Plesha-Troyke S, Schreiber M, Lantos J, Meadow W. 2012. The Nonimpact of Gestational Age on Neurodevelopmental Outcome for Ventilated Survivors Born at 23-28 weeks of Gestational Age. Acta Paediatrica. 101(6): 574-78.
9. Meadow W, Lagatta J, **Andrews B**, Lantos J. 2012. Resuscitation of the Fetus and Newborn: The Mathematics of Morality for Neonatal Resuscitation Clinics in Perinatology. 39(4): 941-56.
10. Bockli K, **Andrews B**, Pellerite M, Meadow W. 2014. Trends and challenges in United States neonatal intensive care units follow up clinics. J Perinatology. Vol 34, No 1: 71-74.
11. Drowska A, **Andrews B**, Schreiber M, Msall M. Implementing community supports to lessen health disparities at kindergarten entry for very preterm survivors. Int J Child Health Hum Dev 2016; 9(4).
12. **Andrews B**, Myers P, Lagatta J, Meadow W. 2016. A Comparison of Prenatal and Postnatal Models to Predict Outcomes at the Border of Viability. J Pediatrics; June; 173:96-100.
13. Fefferman M, **Andrews B**, Msall M. Disparities in access to early intervention services for extremely preterm infants by family income. Int Public Health J. 2016, 207; 9(2).
14. **Andrews, B** and Ross, L. Threading the Needle for the Tiniest Babies. J Pediatr. 2017 Nov; 190: 8-9
15. Myers P, **Andrews B**, Meadow W. Opportunities and difficulties for counseling at the margins of viability. Semin Fetal Neonatal Med. 2018 Feb;23(1):30-34. doi: 10.1016/j.siny.2017.11.001. Epub 2017 Nov 20. PMID: 29158089.
16. Rodriguez, SH, Peyton, C, Lewis, K, **Andrews, B**, Greenwald, MJ, Schreiber, MD, Msall, ME, Blair, MP. Neurodevelopmental Outcomes Comparing Bevacizumab to Laser for Type 1 ROP. Ophthalmic Surg Lasers Imaging Retina. 2019 June 1: 50(6): 337-343.
17. Feltman, DM, Fritz KA, Datta, A, Carlos C, Hayslett D, Tonismae T, Lawrence C, Batton E, Coleman T, Jain M, **Andrews B**, Famuyide M, Tucker Edmonds B, Lavalenthal N, Leuthner S. Antenatal Periviability Counseling and Decision Making: A Retrospective Examination by the Investigating Neonatal Decisions for Extremely Early Deliveries Study Group. Am J Perinatol. 2020 Jan;37(2):184-195. doi: 10.1055/s-0039-1694792. Epub 2019 Aug 22. PMID: 31437859
18. Lawrence C, Lavalenthal N, Fritz KA, Carlos C, Famuyide M, Tonismae T, Hayslett D, Coleman T, Jain M, Edmonds BT, Leuthner S, **Andrews B**, Feltman DM. Ethical Cultures in Perinatal Care: Do They Exist? Correlation of Provider Attitudes with Perivability Practices at Six Centers. Am J Perinatol. 2020 Apr 15. doi: 10.1055/s-0040-1709128. PMID: 32294770
19. Tonismae TR, Tucker Edmonds B, Bhamidipalli SS, Fadel WF, Carlos C, **Andrews B**, Fritz KA, Leuthner SR, Lawrence C, Lavalenthal N, Hayslett D, Coleman T, Famuyide M, Feltman D. Intention to treat: obstetrical management at the threshold of viability. Am J

- Obstet Gynecol MFM. 2020 May;2(2):100096. doi:10.1016/j.ajogmf.2020.100096. Epub 2020 Feb 27. PMID: 33345962.
20. Skondra D, Rodriguez SH, Sharma A, Gilbert J, **Andrews B**, Claud EC. The early gut microbiome could protect against severe retinopathy of prematurity. J AAPOS. 2020 Aug;24(4):236-238. doi: 10.1016/j.jaapos.2020.03.010. Epub 2020 Jul 21. MID: 32707176; PMID: PMC7680397.
 21. **Andrews B**, Pinto N. Optimizing Discharge from Intensive Care and Follow-Up Strategies for Pediatric Patients. J Pediatr. 2019 Feb;205:8-9. doi: 0.1016/j.jpeds.2018.10.054. Epub 2018 Dec 6. PMID: 30528190.
 22. Arbour K, Lindsay E, Laventhal N, Myers P, **Andrews B**, Klar A, Dunbar AE 3rd. Shifting Provider Attitudes and Institutional Resources Surrounding Resuscitation at the Limit of Gestational Viability. Am J Perinatol. 2020 Oct 27. doi: 10.1055/s-0040-1719071. PMID: 33111279.
 23. Taylor G, Joseph R, Douglas L, **Andrews B**, Fry, R, Price, W, Kuban K and O'Shea M. Changes in Neurodevelopmental Outcomes from Age 2 to 10 Years for Children Born Extremely Preterm. Pediatrics. 2021.
 24. **Andrews B** and Ross, L. Black Mothers and Black Babies Matter. Am J Bio Hum. 2021.
 25. Oliphant K, D' Souza M, Hughes PD, Sulake D, Wang AZ, Xie B, Yeasin R, Msall ME, **Andrews B** and Claud EC. Bacteriodata and Lachnospiracae integration into the gut microbiome at key timepoints are linked to infant neurodevelopment. Gut Microbes Dec 2021; 13(1) 1997568.
 26. Anani ,A.,Tucker Edmonds B, **Andrews BL**, Famuyide M, Feltman D. Default Withdrawal: Exacerbating Mistrust for Our Most Vulnerable Families. Am J Bioth. 2022 Nov; 22(11) 46-48.
 27. Arbour K, Lindsay E, Laventhal N, Myers P, **Andrews, B**, Klar A, Dunbar AE 3rd. Shifting Provider Attitudes and Institutional Resources Surrounding Resuscitation at the Limit of Gestational Viability. Am J Perinatology 2022 June; 39(8) 869-877.
 28. White-Traut R, Brandon, D, Kavanaugh K, Gralton K, Pan W, Myers ER, **Andrews B**, Msall M, Norr KF. Protocol for implementation of an evidence based parentally administered intervention for preterm infants. MC Pediatr. 2021 Mar 24; 21(1): 142.
 29. Milner R, Straus, **Andrews B**, Krapec J. The University of Chicago Clinical Excellence Scholars Track: Aligning Dynamic Students with Innovative Programming in Early Medical Education at the Undergraduate Level. Acad Med. 2023 June 1; 98(6S): S6-S8.
 30. Rodriguez SH, Blair MP, Timtim E, Millman R, Si Z, Wroblewski K, **Andrews B**, Msall ME, Peyton C. Smartphone application links severity of retinopathy of prematurity to early motor behavior in a cohort of high-risk preterm infants. J AAPOS. 2023 Feb; 27(1): 12e1-12. E7.
 31. Makhni S, **Andrews B**, Maxey S, Scales K, Bernstein S, Geroginis P, Shah S, Kao CK, Weber S, Arora VM. A Crowdsourced Campaign in IT Optimization to Improve Ease of Practice. J Hosp Med. 2023. Sept 27.
 32. National Academies of Medicine Consensus Study: Low Birth Weight Babies and Disability. 1 December 2023.
 33. Weymel, C, Norcott, C, **Andrews, B**. Re-imaging Residency Block Scheduling in Internal Medicine. JAMA Open Network. Accepted for publication.
 34. Henrickson, B, Georginis, P, **Andrews, B**. From Intention to Action: Practical Wellbeing Initiatives in Medicine. Alpha Omega Alpha. Accepted for publication.

35. Daisy, C, Fonseca, C, Feltman, **Andrews, B.** and the INDEED Study Group. The Landscape of Care for Infants born 22, 23, 24 weeks GA. *Journal of Pediatrics*. Under review after revision.
36. Groden, C, Laroe, D. and the INDEED study group. Changes in decision making across two epochs in the INDEED Study group. *Pediatrics*. Submitted for review.

(b) Non-peer reviewed original articles

1. **Andrews B,** Myers P, Pellerite M, Osterhout P, Msall, M. Developmental Outcomes and Advocacy. *Neoreviews* 2014; 15e: 336-43.
2. Andrews B, Myers P, Pellerite M, Hageman J. Medical Management after NICU Discharge. *Neoreviews* 2014; 15 e: 123-133.
3. Arnolds M, Myers P, **Andrews B.** Care of the High Risk Newborn in the Emergency Department. *Clinical Pediatric Emergency Medicine*. June 2016.
4. Acharya K, Pellerite M., Lagatta J, **Andrews B,** Msall M. A Developmental Approach to Cerebral Palsy. *Neoreviews* 2016; 17 e: 325-333.

(c) Platform Research Presentations

1. Liedel, J, Kahana, M, Schreiber, M, Meadow, M, **Andrews, B.** *Vasopressin as a Vasopressor*. Platform Presentation at the Pediatric Academic Society Meeting, Washington D.C., May 2005.
2. Caldarelli, L, Meadow W, **Andrews, B,** Singh, J. *Uninformed Non-Consent in the Delivery Room*. Platform Presentation at the Pediatric Academic Society Meeting, San Francisco, May 2006.
3. **Andrews, B,** Lagatta J, Caldarelli, L, Subramanian, M., Wong, S., Schreiber, M, Meadow W. *Predicting the Unpredictable: How Well Do Apgars or SNAP II Scores at 12 Hours Predict Outcomes for Infants at the Border of Viability?* Platform Presentation at the Pediatric Academic Society Meeting, Toronto, Canada, May 2007.
4. Lagatta J, Patrianakos A, Schreiber M, **Andrews B,** Msall M, Meadow W. *The Predictive Power of 'Die before Discharge' for School Readiness at 5 Years*. Pediatric Academic Societies, Honolulu, HI, May 2008.
5. Laventhal N, Spelke B, **Andrews B,** Meadow W. *Ethics of Resuscitation at Different Ages of Life: A Survey of U.S. Neonatologists and Perinatologists* Pediatric Academic Societies, Baltimore MD May 2009.6.
6. Meadow W, **Andrews B,** Lagatta J, Lantos J. *Neonatology's Ghost Story — A Moral Accounting of Non-Resuscitation as a Function of Gestational Age*. Pediatric Academic Societies, Vancouver, BC. May 2010.
7. **Andrews B,** Meadow W, Lagatta J. *How Long does it Take to Resolve the Most Important Ethical Issue in Neonatal Intensive Care? About Two Weeks*. Pediatric Academic Societies, Boston, MA. May 2012.
8. **Andrews B,** Myers P, Lagatta J, Meadow W. *The Most Accurate Way to Counsel Parents at the Border of Viability is During a Trial of Therapy*. Pediatric Academic Societies, Vancouver, BC. May 2014.

9. Myers P, Laventhal N, **Andrews B**, Lagatta J, Meadow W *Use and Perceived Impact of Population-Based Outcomes Prediction Tools for Prenatal Counseling at the Margin of Gestational Viability*. Pediatric Academic Societies, San Diego, CA. April 2015.
10. Whitney, A, Goldberg, S, Ren, Yaya, **Andrews, B**. *Mobile Technology Improves Parenting Engagement in the NICU*. Pediatric Academic Societies. Toronto, Canada. May 2017.
11. Elue, K, Seedial, K, Ren, Yaya, Arnolds, M, **Andrews, B**. *Mobile Technology Can Improve Parenting Engagement and Mitigate Health Disparities in the NICU*. Pediatric Academic Societies, Philadelphia PA. 2020. Virtual.
12. Carlos C, Feltman D, Laventhal N, **Andrews B**. *Long Odds Treatment for 22 Week Infants is Ethically Justifiable Based on a Cost/ Reward Framework*. European Society for Neonatal Bioethics. London UK. 2020.
13. Carlos C, Schuh A, Millikan S, Feltman, D, Laventhal N, **Andrews, B**. *Long Odds Treatment for 22 week Infants is Comparable to Adult Costs and Prognosis for GBM and Pancreatic Cancer*. American Society for Bioethics and the Humanities, US. 2020. Virtual.
14. Schuh A, Millikan S, Thomas L, Carlos C, Laventhal N, Feltman D, **Andrews, B**. *Resource Utilization for Periviable Deliveries Over Two Epochs, 2011-2015 and 2016-2020*. Pediatric Academic Societies. 2021.Virtual.

(d) Research Posters

1. Lagatta J, **Andrews B**, Subramanian M, Wong S, Keiser A, Laporte J, Caldarelli L, Meadow W. *Unfogging the Future: Can We Foresee the Ultimate Outcome of NICU Patients in the First Few Days of Life?* Poster Session at the Pediatric Academic Societies, Toronto, Canada, May 2007.
2. Verhagen AAE, Janvier A, Leuthner S, **Andrews B**, Lagatta J, Bos A, Meadow W. *The Use of Palliative Care Medication in the NICU at the Time of Death: A Cross Cultural Study in the USA, Canada and the Netherlands*. Poster session at the Pediatric Academic Societies, Honolulu, HI, May 2008.
3. **Andrews B**, Lagatta J, Keiser A, Laporte J, Lantos J, Meadow W. Verhagen AAE, Janvier A, Leuthner S, **Andrews B**, Lagatta J, Bos A, Meadow W. *Neonatal Nihilism: The Good; the Bad; and the Inevitably Uncertain?* Poster session at the Pediatric Academic Societies, Honolulu, HI, May 2008.
4. Lagatta J, **Andrews B**, Laporte J, Keiser A, Lantos J, Meadow W. *Two Heads are Better than One: The Combination of Clinical Intuitions and Head Ultrasounds Is Much Superior to Either Alone at Predicting Outcomes for Ventilated Prematures*. Pediatric Academic Societies, Honolulu, HI, May 2008.
5. **Andrews B**, Dilley S, Msall M. *Surveillance of Preschool Children after Critical Care Illness*. Pediatric Academic Societies, Baltimore, MD May 2009.
6. **Andrews B**, Lagatta J. *Does Morbidity Parallel Mortality for Extremely Premature Infants? And What Would it Mean if it Didn't?* Pediatric Academic Societies, Baltimore, MD May 2009.
7. **Andrews B**, Lagatta J, Plesha-Troyke S, Meadow W. *'Intact' Neuro-Developmental Outcomes Do Not Depend on Gestational Age for NICU Survivors Born at 23-29 Weeks Gestation*. Pediatric Academic Societies. Vancouver, BC. May 2010.

8. **Andrews B**, Lagatta J, Meadow W. *Apgar Scores Do Not Reliably Predict or Inform Neuro-Developmental Outcomes at 2-yr Adjusted Age for ELBW Infants*. Pediatric Academic Societies. Vancouver, BC. May 2010.
9. Lagatta J, **Andrews B**, Plesha-Troyke S, Meadow W. *Foreseeing the Future: Predicting 2 Year Outcomes from Events in the NICU*. Pediatric Academic Societies. Vancouver, BC. May 2010.
10. Lagatta J, **Andrews B**, Plesha-Troyke S, Meadow W. *Does Gestational Age Predict a Response to NICU Therapy, or Just the Course of NICU Therapy?* Pediatric Academic Societies. Vancouver, BC. May 2010.
11. Condie J, Caldarelli L, Tarr L, **Andrews B**, Lagatta J, Lantos J, Meadow W. *Has the Grey Zone of Viability Moved? and If Not, Why Not?* Pediatric Academic Societies. Vancouver, BC. May 2010.
12. Spelke B, Weis K, Lagatta J, **Andrews B**, Meadow W. *How Much 'Futile' Care Do We Spend on ELBW Infants — And How Does It Vary with Birth Weight?* Pediatric Academic Societies Poster Session. Vancouver, BC. 2010.
13. Weis K, Spelke B, **Andrews B**, Lagatta J, Meadow W. *Do Sick Babies Really 'Declare' Themselves? How a Trial of NICU Therapy Clarifies Impending Death or Ultimate Survival*. Pediatric Academic Societies. Vancouver, BC. May 2010.
14. Chu, A, **Andrews B**, Lagatta, J, Meadow, W. *Does Gestational Age Matter? A Thick Description of Neuro-Developmental Outcomes for ELBW Survivors*. Pediatric Academic Societies. Denver, CO. May 2011.
15. **Andrews B**, Lagatta J, Meadow W. *NICU Resource Utilization for Infants Born Between 22 -28 Weeks Gestation Does Not Vary as a Function of Death or Neuro-developmental Impairment*. Pediatric Academic Societies. Denver, CO. May 2011.
16. Bockli K*, **Andrews B**, Pellerite, M. *Neonatal Follow Up—A National Survey*. Pediatric Academic Societies. Boston, MA, May 2012.
17. **Andrews B**, Myers P, Lagatta J, Meadow W. *Reassuring Parents of Good ELBW Outcomes in the NICU*. Pediatric Academic Societies. Washington DC, May 2013.
18. **Andrews B**, Lagatta, J, Myers, P, Meadow W. *Abnormal head ultrasounds and adverse clinical intuitions, together, are powerful indicators of death and disability among infants born <=26 weeks* Pediatric Academic Societies. Washington DC, May 2013.
19. Chicoine, C., Shetty, A*, **Andrews B**, Meadow, W. *Prognostic Variables During the Trial of Therapy for ELBW Infants: HUS, Clinical Intuitions and Duration of Ventilation*. Pediatric Academic Societies. Vancouver, BC. May 2014.
20. Mathai, T, Sriram S, **Andrews B**. *Extra-uterine Growth Restriction in VLBW Infants at a Tertiary NICU* Pediatric Academic Societies. Vancouver, BC. May 2014.
21. Caldarelli, L. and **Andrews B**. *Quality Improvement initiatives for Fellows: A Survey* Pediatric Academic Societies. Vancouver, BC. May 2014.
22. Khan O*, Shulte J*, Hageman J, **Andrews B**, Meadow W. *Neonatal Seizures in Preterm Infants Born Less Than 28 Weeks Mortality and Neuro-Developmental Outcomes*. Pediatric Academic Societies. Vancouver, BC. May 2014.
23. Shetty A*, Myers P, **Andrews B**, Meadow W. *Reassuring Parents of Good Outcomes in the NICU: A Trial of Therapy to Gain Insights at the Border of Viability*. Pediatric Academic Societies. Vancouver, BC. May 2014.

24. Khan, O*, **Andrews, B.** Shetty, A*, Schulte, J*, Hageman, J, Meadow, W. *Neonatal Seizures and IVH in Preterm Infants Born <=28wks: Mortality and Neurodevelopmental Outcomes.* Poster symposium. Pediatric Academic Societies. San Diego, CA. April 2015.
25. Kim, C*, Khan, O*, **Andrews, B.** Hageman, J, Meadow, W. *Effect of Antiepileptic Drugs on Neurodevelopmental Outcome* Pediatric Academic Societies. San Diego, CA. April 2015.
26. Slattery, S*, Khan, O*, **Andrews, B.** Schulte, J, Hageman, J, Meadow, W. *Neonatal Neuroimaging and Seizures in Preterm Infants to Predict Neurodevelopmental Outcomes.* Pediatric Academic Societies. San Diego, CA. April 2015.
27. **Andrews, B.** Shetty, A*, Khan, O*, Meadow, W. *Progress for Infants Born 25-26 Weeks: The Neurodevelopmental Outcomes of 25-26 wk Infants are similar to those born 27-28wks* Pediatric Academic Societies. San Diego, CA. April 2015.
28. Shetty, A*, **Andrews, B.** Meadow, *Poor Prognostic Indicators During a Trial of Therapy in the NICU Impact Infants Equally who are Born 22-28 weeks.* W. Pediatric Academic Societies. San Diego, CA. April 2015.
29. McCary, M*, **Andrews, B.** Msall, M, Meadow, W. *NICU Clinician Intuitions as Predictors of 5-Year School Readiness.* Pediatric Academic Societies. San Diego, CA. April 2015.
30. Myers, P, Laventhal, N, **Andrews, B.** Lagatta, J, Meadow, W. *Use of Population-Based Outcomes Prediction Tools for Counseling Redirection of Care for Infants at the Margin of Gestational Viability.* Pediatric Academic Societies. San Diego, CA. April 2015.
31. Schulte, J*, **Andrews, B.** Troyke-Plesha, S, Msall, M. *Neonatal Morbidities and Neurodevelopmental Outcomes at 18-36 months After Extreme Prematurity.* Pediatric Academic Societies. San Diego, CA. April 2015.
32. Andrianov, M*, Caldarelli L, **Andrews B.** *The Incidence and Explanation of Early Formula Supplementation in Newborns.* Pediatric Academic Societies. San Diego, CA. April 2015.
33. Groden C, Tonismae T, Carlos C, Schuh A*, Soo J, Villalobos, V, Tucker Edmonds B, **Andrews B.** Feltman D. *Antenatal Factors and Newborn Resuscitation in Mothers Delivering at Extremely Early Gestational Ages.* Pediatric Academic Societies, 2021.
34. Millikan S*, Schuh A*, Thomas L, * Carlos C, Feltman D, Laventhal N, **Andrews B.** *Does Resource Utilization Have a Role in the Ethics of Offering Resuscitation During the 22nd Week of Gestation?* Pediatric Academic Societies, 2021.
35. Thomas L*, Schuh A*, Millikan S*, Carlos C, **Andrews B.** *Length of Stay in the NICU and Hospital Readmissions at 2 years Post Discharge as a Proxy for Cost Comparison for the care of 22, 23 and 24 week Infants.* Pediatric Academic Societies, 2021.
36. Daisy, C*, Schuh, A*, Millikan S*, **Andrews, B.** *Six Center Comparison of Length of Stay, Short Term and Long Term Morbidity for 22,23, 24 week infants.* Pediatric Academic Societies, 2022.
37. Lewis, D*, Sengupta, A, **Andrews, B.** *Using the SNOF Score to Predict LOS for NICU Infants.* Pediatric Academic Societies, 2023

* Names with asterisk in the above listing are MD Research Trainees.

HONORS, PRIZES, and AWARDS

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| 2002 | Intern Award by the Faculty for Resident of the Year, The University of Chicago, Department of Pediatrics |
| 2004 | Resident Award by the Faculty for Resident of the Year, The University of Chicago, Department of Pediatrics |

2012	Distinguished Junior Clinical Faculty Award from the Biological Sciences Division, the University of Chicago
2018	Lucille Lester Award for Promotion of Childhood Wellness, The University of Chicago, Department of Pediatrics
2019	Marguerite Herschel Award for Clinical Excellence, The University of Chicago, Department of Pediatrics
2022	Joel Schwab Award for Mentorship, The University of Chicago Department of Pediatrics
2022	The Samuel Spector Award for Mentorship, The University of Chicago Department of Pediatrics

INVITED SPEAKING

2009	The Perfect Journey Home. The 13th Annual Perspectives in Care Symposium, Chicago, Illinois.
2009	Predictors of Morbidity and Mortality in Premature Infants. Advance Practice Nursing National Meeting, Washington, DC.
2009	Ethics and Neonatology, Advanced Practice Nursing National Meeting, Washington DC.
2010	What is the Grey Zone of Viability? Illinois Neonatal Developmental Follow-Up Association.
2012	The Fragile ELBW Infant. Grand Rounds. LaRabida Hospital, Chicago, IL
2012	Care of the High-Risk Infant: Managing NICU Graduates in Primary Care. AAP Symposium for Growth and Neurodevelopment. Mercy Hospital Grand Rounds, Chicago, IL.
2014	Neurodevelopmental Trajectories in ELBW Infants. Grand Rounds. Loyola Stritch School of Medicine, Department of Pediatrics, Maywood, IL
2012	Predicting Death and Disability in the NICU. Grand Rounds, Department of Pediatrics, The University of Chicago Hospitals.
2015	Estimates of Prognosis for ELBW Infants. Junior Faculty Symposium. Prentice Women's Hospital, Northwestern University, Chicago, IL
2015	Prognosis at the Border of Viability. Plenary Presentation. American Academy of Pediatrics, Annual National Meeting, Washington DC
2019	Ethics at the Border of Viability. Plenary Presentation. American Academy of Pediatrics, Section on Neonatal Perinatal Medicine. Chicago, IL
2021	The Smallest Graduates. Plenary Presentation. American Academy of Pediatrics National Conference and Exhibition Virtual.

SYMPOSIUM AND SEMINAR SPEAKING

2018	Pediatric Academic Societies ECHO Symposium; Toronto, Canada
2019, 2020	Children's Hospital Neonatal Consortium Professional Development Seminar; Columbus, OH and virtual (75 participants)
2019	Pediatric Academic Societies Professional Development Workshop; Baltimore, MD (75 participants)
2020	American Academy of Pediatrics Professional Development Workshop; virtual (700 views)

2019-2022	Midwest Society for Pediatric Research Career Development Workshop, Chicago, IL (50 participants per year)
2022	American Academy of Pediatrics, Neonatal Perinatal Medicine Seminar, Career Development, Louisville KY(25 participants)
2022	Lucent and Pediatrics Scholar Wellness and Career Development Seminar, University of Chicago (25 participants)
2023	Association of Pediatric Program Directors. <i>Making the Case for Well-being in GME</i>
2022-23	<i>UC Well: Building Wellbeing Across and Organization.</i> Grand Rounds Anesthesia, Surgery, Pediatrics, Urology, Orthopedics, Ophthalmology, Radiology(400+ participants)
2022-2023	UChicago Medicine Town Hall Programming on UChicago Medicine Well-Being
2023	Alpha Omega Alpha: <i>Professionalism in a Relentless World: Using Crowdsourcing Interventions for Ease of Practice</i>
2024	AAMC CFAS From Intention to Action: Increasing practical solutions to wellbeing for physicians in AMCs.
2024	UChicago Medicine
INVITED, ELECTED, or APPOINTED EXTRAMURAL SERVICE	
2009 -	Illinois Department of Public Health Perinatal Advisory Committee
2014 -	Illinois Department of Public Health Perinatal Advisory Committee Vice Chair
2014 -	Illinois Chapter, March of Dimes, Statewide Committee Member
2015-	Society for Pediatric Research
2016-	Illinois Chapter, March of Dimes, Chicago Market Board Member
2021-	University of Chicago Biological Sciences Division, Faculty Advisory Committee
2023-	American Association of Medical Colleges Council of Faculty and Academic Societies(CFAS) Senior Delegate, Pritzker School of Medicine
2023-	American Association of Medical Colleges Council of Faculty and Academic Societies(CFAS) Wellbeing Committee Leadership Team
2022-2023	National Academies of Sciences, Engineering and Medicine Committee on the Identification and Prognosis of Low Birthweight Babies in Disabilities Determinations

PROFESSIONAL SOCIETIES

(a) Elected or Invited Membership

Society for Pediatric Research
 Midwest Society for Pediatric Research
 Collaborative for Healing and Renewal in Medicine(CHARM)

(b) Other

The American Academy of Pediatrics
 The American Academy of Pediatrics, Neonatal Section
 The American Academy of Pediatrics, Illinois Chapter

EDUCATIONPritzker School of Medicine (M.D.)

(a) Didactic

2011 - 2013 Discussion sessions for Physician Formation for MS1-MS4 students
 2015 -2022 Pritzker Summer Research Program (SRP) Group Leader
 2019 - Clinical Excellence Scholars Program Group Leader

(b) Clinical

2010 - Longitudinal Program Preceptor for M1 students

Graduate medical education (residency and clinical fellowships):

(a) Didactic

2006 - Yearly lecture to residency and NICU fellowship programs on Medical-Legal Partnerships
 2008 - Quarterly lecture to residency and NICU fellowship programs on NICU Neurodevelopmental Follow-up
 2009 - Quarterly lecture to OB/GYN Residents and Fellows: The Grey Zone of Viability.
 2011 - Quarterly lecture series to NICU fellowship program for research design and data management
 2013 - Pediatric Critical Appraisal of Research and Evidence Based Medicine Skills (PCARES): founding faculty
 2013 - Scholarly Oversight Committee. 5 Neonatal-Perinatal Fellows and 2 Pediatric Critical Care Fellows per year
 2019- Clinical Excellence Scholars Track(CEST): Bucksbaum Institute

(b) Clinical

2007 - Clinical preceptor for each outpatient clinic (5 half days per week) for Neonatal-Perinatal Fellows (10 per year).
 2011 - 2020 Clinical preceptor for Development and Behavioral Pediatrics required rotation of the pediatric residency (20 per year).
 2011 - Continuity preceptor for one/two third-year Pediatric residents through new subspecialty training continuity clinic endorsed by the ACGME(1-2 per year)

Graduates:

- Dr. Melanie Wilicka(NPM Northwestern University)
- Dr. Samantha Millikan (NPM Vanderbilt University)
- Dr. Audrey Zeis(NPM Duke University)
- Dr. Brennan Hodgeson (NPM University of Washington)
- Dr. Suzanne Gouda (UCMC Pediatric Intensive Care Fellowship)
- Dr. Patrick Hughes (UCMC Neonatal Perinatal Fellowship)
- Dr. Christine Carlos (UCMC Neonatal Perinatal Fellowship)

- Dr. Kelly Kelly (UCMC Neonatal Perinatal Fellowship)
- Dr. Matt Pellerite (Chief Resident and UCMC Neonatal-Perinatal Fellowship)
- Dr. Mara Dibartolomeo (UCMC Neonatal Perinatal Fellowship)
- Dr. Christina Kim (UCMC Neonatal Perinatal Fellowship)
- Dr. Jeune Kwak (University of Southern California Neonatal Perinatal Fellowship)
- Dr. Laura Sillers (University of Pennsylvania Neonatal Perinatal Fellowship)
- Dr. Audrey Zeis (The University of Washington, Seattle Neonatal Perinatal Fellowship)
- Dr. Cameron Boyd (Northwestern University Neonatal Perinatal Fellowship)
- Dr. Samantha Millikan (Vanderbilt University Neonatal Perinatal Fellowship)
- Dr. Ashley Maklin (University of Chicago Chief Resident)
- Dr. Kelly Barsotti (University of Chicago Chief Resident)
- Dr. Camille Fonseca current- planned University of Chicago Chief Resident
- Dr. Ama Taylor current- planned Northwestern University Neonatal Hospitalist
- Dr. Olivia Callegaris current-planned University of Chicago Neonatal Hospitalist

Research Trainees

(b) Medical (M.D.) * above

2009 - 2013	<u>Karen Bockli</u> , MD: Neonatal-Perinatal Medicine Fellowship, Co-Mentor: Dr. William Meadow
2012 - 2013	<u>Reza Kanani</u> , MD: Pediatric Residency Research on the use of Neuroimaging to predict 2yr outcomes in ELBW infants. Pediatric Neurology Fellow: University of Chicago.
2012 - 2015	<u>Ashita Shetty</u> , MD: Neonatal Perinatal Medicine Fellowship, Research training on predicting ELBW morbidity and mortality based on length of ventilation in addition to HUS and clinical predictions. Attending neonatologist: Pediatrix Medical Group. Co-Mentor: Dr. William Meadow
2015 - 2016	<u>Susan Slattery</u> , MD Using MRI to define the risk of NDI in ELBW infants. Neonatal-Perinatal fellow: Northwestern University. Neonatal Faculty Northwestern University
2015 - 2016	<u>Christina Kim</u> , MD Understanding anticonvulsant use and NDI in ELBW infants with seizures. Neonatal Faculty Northwestern University
2013 - 2016	<u>Jenna Schulte</u> , MD: Pritzker School of Medicine. Summer Research Program (SRP) Residency in Medicine/Pediatrics: Boston Combined Residency

- 2011 - 2014 Owais Khan, MD: Neonatal Perinatal Medicine Fellowship, Research training on predicting ELBW morbidity and mortality based on EEG/seizure findings. Pediatrics Research Day award: Best Translational Project by a Fellow Level Trainee 2015. Attending neonatologist: Mednax Medical Group
Co-Mentor: Dr. William Meadow
- 2015 - 2016 Marie Fefferman, BS. Senior honors thesis. Qualified and completed Break the Cycle: a sponsored research program of Emory University. Medical student: Rush University.
- 2011 - 2015 Ren Belcher, BA: Pritzker School of Medicine: SRP. Improved Neurodevelopment based on Access to Early Intervention for High Risk ELBW Infants. Pediatric Research Day award: Best Translational Project by a student 2016. SRP. Psychiatry Resident. Massachusetts General Hospital. Co-mentor: Dr. Michael Msall
- 2015 - 2018 Arnab Sengupta, MD: Predicting Extubation of ELBW Infants. Pediatrics Research Day award: Best Translational Project by a Fellow Level Trainee 2016. Attending neonatologist: Pediatrix Medical Group
- 2015 - 2018 Melissa Andrianov, MD and Kelly Kelly, MD: Integrated multi-time point counseling for parents at the border of viability
- 2016 - 2018 Nikki Kijak, undergraduate University of Chicago, senior honors thesis: Correlations of physiologic scores and clinical intuitions to predict outcomes for ELBWs
- 2016 - 2018 Lea Redd, BA. Break the Cycle: a sponsored research program of Emory University.
- 2016 – 2020 Abbigail Whitney, Scholarship and Discovery, Pritzker School of Medicine. Northwestern University Pediatrics Program
- 2016 – 2018 Sydney Goldberg, BA, MA. Summer Research Intern. Harvard Masters in Biomedical Ethics
- 2016 - 2020 Carlos, Christine, MD. Neonatal-Perinatal Medicine Fellowship Research Mentor and Junior Faculty Research Mentor
- 2018 - 2023 Kendall Elue, Pritzker School of Medicine SRP Mentor, Anesthesia, Columbia, NYC, NY
- 2018 – 2020 Kayla Seedial, MD. The University of Chicago Residency Research Program. Neonatal-Perinatal Fellowship Program: The University of Michigan
- 2017 – 2020 Patrick Hughes, MD. The University of Chicago Neonatal-Perinatal Fellowship Program Research Mentor
- 2018 -2020 Suzanne Gouda, MD. The University of Chicago Pediatric Intensive Care Fellowship Program. SOC Member. Palliative Care Residency, The University of Pennsylvania
- 2019 - 2022 Allison Schuh, MD. The University of Chicago Neonatal Perinatal Medicine Fellowship Program Research Mentor, Washington University Faculty
- 2020 - 2022 Leah Thomas, Pritzker School of Medicine SRP M2 Mentor

2020 - 2022 Samantha Millikan, MD. The University of Chicago Pediatric Residency Program Research Mentor, NPM Fellowship, Vanderbilt University

2020 -2022 Cameron Boyd, MD. The University of Chicago Pediatric Residency Program Research Mentor, NPM Fellowship, Northwestern University

2021 - 2023 Cassandra Daisy, BA. Pritzker School of Medicine SRP Mentor

2022- Camille Fonseca, MD. University of Chicago Pediatric Residency

2023- Shreya Sridhara, BS. Pritzker School of Medicine SRP Mentor

LEADERSHIP**(a) Intramural**

2008 - Medical Director, The Center for Healthy Families

2015 – 2017 Interim Associate Director, Neonatal-Perinatal Fellowship Program.

2016 - Pediatric Core Faculty, The University of Chicago Pediatrics Residency Program

2016- Neonatal Perinatal Medicine and Developmental Pediatrics Core Faculty, The University of Chicago

2015 - Senior Scholar, The Bucksbaum Institute

2018- Clinical Excellence Scholars Track Faculty, The Bucksbaum Institute

2020- Director of Pediatric Fellowship Training, The University of Chicago

2022- Board Member, Science of Early Trajectories

2022- Faculty Advisory Committee Member, Elected

2022- Medical Executive Committee and Quality and Safety Committee

2023- Chair, Faculty Practice Plan, Physician Engagement Subcommittee

2023- Chief, Department Well-Being Directorships

(b) Extramural

2015- Founding partner, Preeme+You

2010 - Board Member: Mattea's Joy: Supports parents and families of children who have long-term hospitalization at Comer Children's Hospital

2016- Market Board Member, March of Dimes

FUNDING

Current Support:

R01 HD105234 (Claud)	05/05/2021-3/31/2026
NIH	\$3,399,868
The Gut Microbiome Brain Axis and Preterm Infants	
To use multiple modalities including a longitudinal preterm infant cohort with multiple points of neurodevelopment evaluation and microbiome analysis by 16S rRNA gene sequencing, metagenomics, metabonomics, and transfaunated mouse models to understand the mechanisms by which the microbiome impacts neurodevelopment and to improve preterm infant outcomes.	
Role: Co-Investigator	
R21 NS121432 (Lu)	09/30/2021-08/31/2023
NIH	\$451,000
Microbial-mediated blood-brain barrier development at the intersection of the gut-brain axis	

The goal is to study Blood-brain barrier development at the intersection of gut-brain axis and neurological outcomes under the influence of preterm microbial communities.

Role: Co-Investigator

Past Support:

Illinois Council on Developmental Disabilities (DeRenier) 11/01/2021-11/30/202

Developing collaborations to improve developmental outcomes through prompt and equitable transition to community therapy services in high-risk newborn infants.

Role: Co-PI

1R01HD098095-01A1 (White-Traut, Msall) 04/1/2020-3/31/2023

NIH \$3,146,361

The H-HOPE trial is an implementation approach across five sites to premature infant feeding and parent bonding through an enhanced feeding strategy facilitated by nurses.

Role: Co-Investigator

5 UG3 OD0232281-02 (Claud) 09/22/16 -08/31/2020

NIH

(UG3/UH3) Environmental Influences on Child Health Outcomes (ECHO) Pediatric Cohorts

The microbiome as a potential mediator of socio-economic disparities in preterm infant Neuro-developmental trajectories from NICU discharge to school age.

Role: Co-Investigator

The University of Chicago Biological Sciences Division and Chapin Hall 08/01/18 – 07/31/19

University of Chicago

Evaluating the impact on residents of using an infant crying tool on the parent/physician relationship.

Role: Co-PI

Bucksbaum Institute Pilot Grant 07/01/2020-06/30/21

University of Chicago \$6,500

Using Mobile Technology to improve the Patient Experience with Covid-19. My Covid Passport is being used to assist patients on their health journey with Covid-19.

Role: PI

Arcadis Pilot Support 04/01/15 – 03/30/16

Preemie and You. Platform development for all aspects of developing communication and educational tools for parents caring for their preterm infants.

Role: Research Director