

FULL CURRICULUM VITAE

Name: Nigel Sefton Paneth Mailing Address: Department of Epidemiology
Michigan State University
Date of Birth: September 19, 1946 Suite B218, 909 Wilson Road, East Lansing, MI 48824
(517) 290-5062; paneth@msu.edu
Place of Birth: London, England

Education

1964-1968 Columbia College, New York City, A.B.
1968-1970 Dartmouth Medical School, Hanover, New Hampshire, B.M.S.
1970-1972 Harvard Medical School, Boston, Massachusetts, M.D.
1976-1978 Columbia University School of Public Health, New York City, M.P.H.

Post-Graduate Training

1972-1975 Pediatric Intern to Pediatric Senior Resident, Bronx Municipal Hospital Center, Albert Einstein College of Medicine, New York City
1975-1976 Pediatric Chief Resident, Bronx Municipal Hospital Center, Albert Einstein College of Medicine, New York City, Instructor in Pediatrics, Albert Einstein College of Medicine
1976-1977 Clinical Fellow, Human Development Biology, Department of Pediatrics, Albert Einstein College of Medicine (T32 HD007053 directed by Henry L. Barnett MD)

Professional Employment and Hospital Appointments

1977-1978 Assistant Clinical Professor, Department of Pediatrics, Albert Einstein College of Medicine
1978-1985 Assistant Professor of Public Health (Epidemiology) and Pediatrics, Columbia University
1978-1989 Assistant to Associate Attending Pediatrician, Babies Hospital, NY;
1978-1989 Research Scientist, Epidemiology of Developmental Brain Disorders Department, New York State Psychiatric Institute
1982-1988 Coordinator, Mellon Foundation Training Program in Clinical Epidemiology, Columbia U
1985-1989 Associate Professor of Pediatrics and Public Health (tenured), Columbia University
1988-1989 Visiting Lecturer in Neurology, Harvard Medical School
1989-1994 Associate Professor of Epidemiology and Pediatrics, College of Human Medicine (CHM), Michigan State University (MSU)
1989-1994 Medical Staff, Sparrow Hospital, Lansing, MI
1994-present Professor of Epidemiology and Pediatrics, CHM, MSU
1989-1997 Director, Program in Epidemiology, CHM, MSU
1997-2002 Chair, Department of Epidemiology, CHM, MSU
2000-2006 Associate Dean for Research, CHM, MSU
2009- 2021 University Distinguished Professor, MSU
2014 - 2021 Co-director, Center for Research in Autism, Intellectual and Neurodevelopmental Disability, MSU
2021 – present Emeritus Professor, CHM, MSU

Licensure

1973 Diplomat, National Board of Medical Examiners

1977 Diplomat, American Board of Pediatrics

National and International Advisory Committees (current and recent)**State of Michigan**

Scientific Advisory Committee, Michigan Neonatal Biobank, 2012-2017

Board of Directors, Michigan Neonatal Biobank, 2017- 2021 (representing Michigan State University)

Co-Chair (with David Savitz, Brown University) Environmental Health Research and Surveillance Guidance Panel, 2020-

National

National Scientific Advisory Committee, March of Dimes Foundation, 1991- 2016

National Research Advisory Council, United Cerebral Palsy Research and Educational Foundation, 1999-2008

External Advisory Committee, Clinical Translational Science Award, University of Texas-Houston, 2008-2013

Executive Steering Committee, National Children's Study, 2008 – 2011

Scientific and Editorial Board, Supercourse in Epidemiology, University of Pittsburgh, 2008- present

External Advisory Committee, University of Pennsylvania MPH program, 2010 – present

Ad-hoc committee to review tenure recommendation, Harvard School of Public Health, 2011.

Executive Committee, ECHO Study (Environmental Influences on Child Health Outcomes), NIH, 2017-2019

Leadership team, National Convalescent Plasma Project (CCPP19.org), 2020 – present

External reviewer, NICHD Division of Intramural Population Health Research (DIPHR) site visit, April 2021

Task force on Governance, ECHO Study (Environmental Influences on Child Health Outcomes), NIH, 2022.

International

Scientific Monitoring Committee, US AID Middle East Regional Cooperation Program Israeli-Palestinian-Jordanian-Moroccan joint evaluation study of cerebral palsy management, 2007-2011.

Scientific Advisory Group, Norwegian Mother and Child Cohort (MoBa) and Danish National Birth Cohort (DNCCB) combined cerebral palsy study (MOBAND), 2011 – present

WOCO Foundation round-table committee on establishing a Canadian University chair in adolescent risk-taking behaviors, 2011.

PhD adjudication committee, Magnus Stoknes, Norwegian University of Science and Technology, Trondheim, April 2013

PhD adjudication committee, Pal Suren, University of Oslo, Faculty of Medicine, January 2014.

External Advisor, Screening to Improve Health in Very Premature Infants in Europe (SHIPS) Study, INSERM, Paris, funded by European Commission, 2015- present

Editorial Activities

Editorial Boards: Paediatric and Perinatal Epidemiology (1994-1998); American Journal of Public Health (1997-1998); The Future of Children (1993-2005); Developmental Medicine, Child Neurology (2013 – present); Pediatric Research (2013-2014).

Reviewer: Acta Paediatrica Scandinavica, American Journal of Epidemiology, American Journal of Obstetrics and Gynecology, American Journal of Public Health, Annals of Epidemiology, Annals of Neurology, Archives of Diseases in

Children, British Medical Journal, Clinical Pediatrics, Developmental Medicine and Child Neurology, Early Human Development, Epidemiology, The Future of Children, International Journal of Epidemiology, Issues in Health Care Technology, Journal of Child Neurology, Journal of Health Care for the Poor and Underserved, Journal of Pediatrics, Journal of Perinatology, JAMA, JAMA Pediatrics, Lancet, Maternal and Child Health Journal, New England Journal of Medicine, Obstetrics and Gynecology, Oxford University Press, Paediatric and Perinatal Epidemiology, Pediatric Research, Pediatrics, PLOS One, Public Health Reviews.

Co-editor, April 1992 Paediatric & Perinatal Epidemiology. (Festschrift for Mervyn Susser and Zena Stein).

Co-editor, Autumn 2018 Perspectives in Biology and Medicine (special issue “The Precision Medicine Bubble”)

Memberships (general)

Society for Epidemiologic Research, Society for Pediatric and Perinatal Epidemiologic Research, International Epidemiologic Association

Memberships (by election)

American Academy of Pediatrics; Society for Pediatric Research; American Epidemiologic Society; Ingham County (MI) Board of Health, 2009-2016.

Awards, Honors

Rose Seegal award for paper on relation of medicine to the community, Harvard Medical School, 1972. (BCG vaccination in the US).

Kathleen Lyle Murray award of the American Academy of Cerebral Palsy (with John L. Kiely), 1986.

President, Society for Pediatric Epidemiologic Research, 1991-1992.

Alexander Langmuir Lecturer, American Epidemiological Society, 1995

Distinguished Faculty Award, Michigan State University, February 2001

Advancing Knowledge Award of the Coalition for Excellence in Maternal and Child Health Epidemiology, December 2002.

Honorary member, Alpha Omega Alpha Society, Michigan State University, 2002

Weinstein-Goldenson Medical Science Award of the United Cerebral Palsy Research and Education Foundation, April 2006

University Distinguished Professor, Michigan State University, June 2009

Visiting Professor, Child Health Evaluation and Research Unit, University of Michigan Department of Pediatrics, March 2012.

Distinguished Researcher Award of the Cerebral Palsy Alliance Research Foundation, 2013

President’s Award, Society for Pediatric and Perinatal Epidemiologic Research, 2016

Visiting Professor, Kaiser Permanente Division of Research Women’s and Children’s Health Research, Oakland CA, December, 2017

William B. Weil, Jr., M.D., Endowed Distinguished Pediatric Faculty Award from Department of Pediatrics and Human Development, Michigan State University, May, 2018.

Geisel School of Medicine (Dartmouth) 2021 Distinguished Career Achievement Award, May 2021.

Lester Evans Distinguished Service Award, College of Human Medicine, Michigan State University, 2021

NIH and IOM consultation

NIH

Member, NIH Expert committee on fetal monitoring, 1978

Member, NIH State-of-the-Science Conference: Multivitamin/Mineral Supplements and Chronic Disease Prevention, 2006.

Infectious, reproductive, pulmonary diseases epidemiology study section (IRAP), member, 2006-2009

Distinguished editorial panel member for final decisions in NIH Challenge Grants, July 2009

Neurologic and musculoskeletal disease epidemiology study section (NAME), visiting member, 2010.

Review panel for T32 training grants in reproductive, perinatal and pediatric epidemiology (NICHD), 2011.

Member, Site Visit Team, Division of Epidemiology, Statistics and Prevention Research, NICHD, 2012.

Member, Panel for evaluation of the scientific domains and operations of the Population Sciences & Epidemiology (PSE) Integrated Review Group, 2013.

Review panel for NICHD T32 training grants, 2014.

Co-chair (with Tonse Raju) NIH conference on adult disorders of the preterm infant. NICHD, August, 2015.

Chair, concept clearance review panel on “Systematic reviews in neonatal medicine”. NICHD, December, 2015

IOM

Member, IOM panel on Place of Birth, 1982

Member, IOM panel on the content of prenatal care, 1988-9

Invited panelist, IOM panel on Place of Birth, 2013

Named, Plenary and Keynote Lectureships since 2007

Plenary Speaker, European Society for Pediatric Research, Prague, October 22, 2007

Invited Speaker, 18th Annual Pediatric Neurology Update and Festschrift for Karin Nelson, NINDS, March 2008.

Invited Speaker, Surgeon General’s Conference on the Prevention of Preterm Birth. Rockville, MD, June 2008.

Plenary speaker, New York Perinatal Society, April 2009

Han Mo-Koo Memorial lecturer, Van Andel Research Institute, Grand Rapids, MI, January 2010.

Castang Plenary Lecturer, European Academy of Childhood Disability, Brussels, Belgium, May 2010

Arnold Einhorn Lecturer, Children’s Hospital of DC, March 2011.

Plenary speaker, Gait & Clinical Movement Analysis Society, Grand Rapids, MI, May 2012.

Plenary speaker, London School of Hygiene & Tropical Medicine, John Snow Bicentenary Conference, April 2013.

Invited Guest Speaker, 10th anniversary meeting of the Jamaican Early Childhood Commission. Kingston, Jamaica, November, 2013

Plenary speaker, Michigan Society of Neonatology, Howell, MI, September, 2014

Plenary speaker, The Society for Evidence-based Neonatology, Philadelphia, PA. September, 2015

Research Day Lecturer, University of Wyoming College of Health Sciences, Laramie, WY, June, 2016

Plenary speaker, Michigan Society of Neonatology, Lansing, MI, September, 2017

Guest Professor, Division of Research, Kaiser-Permanente of Northern California, Oakland CA, December 2017.

Invited Guest Speaker, NIEHS, Durham, NC, March 2018

Herbert Goldenring Memorial Lecture, Department of Pediatrics, Yale University, March 2019

Invited Guest Speaker, Symposium on Reproductive Epidemiology in honor of Allen Wilcox, NIEHS, Durham, NC, October, 2019

NIH Research Grants, Contracts and Sub-Contracts Received As Principal Investigator						
	DATE	TITLE	TYPE*	GRANT #	AGENCY	BUDGET
1	12/1/78 - 11/30/80	Newborn Intensive Care and Neonatal Mortality in New York City	RG	R01 HD 12626	NICHD	\$282,328
2	3/1/81 - 2/29/84	Fetal Death in Labor: Epidemiology and Preventability	RG	R01 HD 14807	NICHD	\$610,450
3	4/1/84 - 3/31/89	Neonatal Brain Hemorrhage: Epidemiology and Outcome	RG	R01 NS 20713	NINDS	\$2,797,539
4	4/1/89 – 3/31/91	Neonatal Brain Hemorrhage: Epidemiology and Outcome (renewal)				
5	9/1/90-8/31/95	Epidemiology of Neonatal White Matter Disorders (SC from Boston Children’s Hospital)	SC	R01NS 027306	NINDS	\$255,444
6	2/1/91 - 1/31/94	The Epidemiology of Early CNS Injury and Behavior Problems (SC from Columbia University)	SC	R01 MH 45834	NIMH	\$1,680,321
7	9/30/91 - 8/31/93	Prenatal Alcohol, Neonatal Brain Injury and Development	RG	R03 AA 09008	NIAAA	\$139,807
8	12/6/93-11/30/97	Neonatal Brain Damage and Elementary School Performance (SC from Children’s Hospital of Philadelphia)	SC	R01NS 031817	NINDS	\$2,226,516
9	9/30/96 - 7/29/99	Strategies for Care of the Very Low Birthweight Infant	RG	R01 HS 08385	AHRQ	\$1,530,016
10	2/1/99-1/31/04	Epidemiology of Early CNS Injury and Psychopathology at age 13 (SC from Columbia University)	SC	R01 MH 57514	NIMH	\$2,807,123
11	6/1/99-5/31/05	Training Clinical Researchers for Community Settings	TG	K30 HL 04113	NHLBI	\$1,000,000
12	9/1/01-8/31/06	Molecular Antecedents of Brain Damage in Prematures (SC from Boston Children’s Hospital)	SC	U01 NS 40069	NINDS	\$755,000
13	9/30/03-9/29/05	Phase 1 Trial of Thyroid Hormone in Prematures (SC from New York Medical College)	SC	R01 NS 45109	NINDS	\$220,290
14	5/1/05-4/28/10	Perinatal Epidemiology Training Program	TG	T32 HD 046377	NICHD	\$1,757,553
15	5/1/10-4/28/15	Perinatal Epidemiology Training Program (renewal)				\$1,757,553
16	6/29/07 – 6/28/09	Oxygen and Phototherapy in the Perinatal Period: Risk of Acute Lymphocytic Leukemia	RG	R03 CA 130030	NCI	\$151,500
17	7/1/07-6/30/10	Prevention of Infection in the Indian Community Setting Using Probiotics	SC	R01 HD 053719	NINDS	\$71,498
18	9/28/07 – 9/27/12	National Children’s Study: Wayne County Study Center	C	HHSN2670 0700034C	NICHD	\$10,052,135
19	9/26/08 - 9/25/14	National Children’s Study: Genesee, Grand Traverse, Lenawee, Macomb County Study Centers	C	HHSN2752 00800007C	NICHD	\$892,728
20	9/1/09 – 8/31/11	New Paradigms of Cerebral Palsy Etiology: A Comprehensive Case-Control Study	RG	R01 NS 055101	NINDS	\$1,932,530
21	9/21/16-9/20/18	Prenatal Exposures and Child Health Outcomes: A Statewide Study	RG	UG3 OD023285	NIH	\$4,808,248
22	9/21/18 – 9/20/23	Prenatal Exposures and Child Health Outcomes: A Statewide Study (Jean Kerver, co-PI)	RG	UH3 OD023285	NIH	\$14,988,260
23	9/1/20 – 8/31/22	Mitigating the Impact of Implicit Bias on Maternal Mortality for African American Women. (Jean Kerver, co-PI)	RG	UH3 OD023285 supplement	NIH	\$245,534
24	9/1/20-8/31/22	Understanding Breastfeeding Practices among Echo Cohort Participants Before and During/After the COVID-19 Pandemic (Jean Kerver, sponsor. Gayle Shipp, post-doctoral fellow)	TG	UH3 OD023285 supplement	NIH	\$112,059

*RG = research grant; TG = training grant; C = contract; SC = sub-contract

Foundation and State Grants				
1	1985-1986	Behavior and brain damage in preterm infants	March of Dimes Foundation	\$100,000
2	2002-2003	Inflammatory biomarkers and cerebral palsy	United Cerebral Palsy REF	\$100,000
3	2007-2010	Randomized trial of conductive education in CP	Michigan Department of Education	\$350,000
4	2015-6	Renewal and continuation of above trial	Michigan Department of Education	\$150,000
5	2014	Cerebral Palsy Research (open grant)	Cerebral Palsy Alliance Research Foundation	\$50,000
6	2020	Evaluation of Convalescent Plasma	BARDA (sub-contract from Mayo Clinic)	\$26,000
7	2020	Establishment of Convalescent Plasma website	Takeda Pharmaceuticals	\$70,000

BOOKS

1. **Paneth N**, Rudelli R, Kazam E, Monte W. Brain Damage in the Preterm Infant. 209 pp. (Clinics in Developmental Medicine No. 131). London: Mac Keith Press, 1994.
2. Vinten-Johansen P, Brody H, **Paneth N**, Rachman S, Rip M: Cholera, Chloroform, and the Science of Medicine: A Life of John Snow. 437 pp. New York: Oxford University Press, 2003. (*Awarded the 2004 David Little prize of the Anesthesia History Association for the best work of anesthesia history published the previous year in English*)
3. Dan B, Mayston M, **Paneth N**, Rosenbloom L, eds: Cerebral Palsy: Science and Clinical Practice. 736 pp. London: Mac Keith Press, 2014
4. Leviton A, Damman O, O'Shea M, **Paneth N**, eds: Extremely Preterm Birth and Its Consequences. The ELGAN Study. London: MacKeith Press, 2020

ARTICLES IN PEER-REVIEWED JOURNALS

1979

1. **Paneth N**, Stein REK, Bell D. Emergency room utilization in the first 15 months of life: a randomized study. Pediatrics 1979; 63:486-491.

1980

2. Lee KS, **Paneth N**, Gartner L, Pearlman M, Gruss L. Neonatal mortality: an analysis of the recent improvement in the United States. Am J Pub Health 1980; 80:15-21.
3. **Paneth N**. Hyponatremic dehydration of infancy: an epidemiologic review. Am J Dis Child 1980; 134:785-792.
4. Lee KS, **Paneth N**, Gartner L, Pearlman M. The very low birthweight rate: principal predictor of neonatal mortality in populations. J Pediat 1980; 97:759-764.

1981

5. Kiely J, **Paneth N**. Follow-up studies of low-birthweight infants: Suggestions for design, analysis and reporting. Dev Med Child Neuro 1981; 23:96-101.
6. Mandelbaum DE, Hall W, **Paneth N**, Wolf R, DeVivo DE. SSPE, measles virus and the matrix protein: a case with unusual immunochemical findings. Ann Neurol 1981; 10:351-354.
7. Kiely J, **Paneth N**, Stein ZA, Susser MW. Cerebral palsy and newborn care: I. Secular trends in cerebral palsy. Dev Med Child Neurol 1981; 23:533-538.
8. Kiely J, **Paneth N**, Stein ZA, Susser MW. Cerebral palsy and newborn care: II. Mortality and neurologic impairment in low birthweight infants. Dev Med Child Neurol 1981; 23:650-659.
9. **Paneth N**, Kiely J, Stein ZA, Susser MW. Cerebral palsy and newborn care: III. Estimated prevalence rates of cerebral palsy under differing rates of mortality and impairment of low birthweight infants. Dev Med Child Neurol 1981; 23:801-807.

1982

10. Lee KS, Gartner L, **Paneth N**, Tyler L. Recent trends in neonatal mortality: the Canadian experience. Can Med Assoc J 1982; 126:373-376.

11. **Paneth N**: Infant mortality re-examined. (editorial) J Amer Med Assoc 1982; 247:1027-1028.
12. **Paneth N**, Kiely JL, Wallenstein S, Marcus M, Pakter J, Susser MW. Newborn intensive care and neonatal mortality in low birthweight infants: A population study. N Eng J Med 1982; 307:149-155.
13. **Paneth N**, Wallenstein S, Kiely JL, Susser MW. Social class indicators and mortality in low birthweight infants. Am J Epidem 1982; 116:364-375.
14. Kuhr M, **Paneth N**. Feeding practices and early neonatal jaundice. Jnl Pediatr Gastr Nutr 1982; 1:485-488.

1983

15. **Paneth N**, Fox H. The relationship of Apgar score to neurological handicap: A survey of clinicians. Obstet Gynec 1983; 61:547-550.
16. **Paneth N**, Stark RI. Cerebral palsy and mental retardation in relation to indicators of perinatal asphyxia: An epidemiologic overview. Amer J Ob Gyn 1983; 147:960-966.

1984

17. **Paneth N**, Kiely JL, Susser MW. Age at death used to assess the effect of interhospital transport on neonatal mortality. Pediatrics 1984; 73:854-861.
18. **Paneth N**, Kiely M, Hegyi T, Hiatt IM. Investigation of a temporal cluster of left-sided congenital heart disease. J Epi Comm Health 1984; 38:340-344.
19. **Paneth N**, Kiely JL. The frequency of cerebral palsy: A review of population studies in industrialized nations since 1950. Clinic Dev Med 1984; 87:46-56.
20. Kiely JL, **Paneth N**, Stanley F. Monitoring morbidity outcomes of perinatal health services. Clin Dev Med 1984; 87:150-171.

1985

21. **Paneth N**, Wallenstein S. Extra-corporeal membrane oxygenation and the play the winner rule. (Commentary) Pediatrics 1985; 76:622-623.
22. Kiely JL, **Paneth N**, Susser MW. Fetal death in labor: An epidemiologic indicator of level of obstetric care. Amer J Ob Gyn 1985; 153:721-727.

1986

23. **Paneth N**, Kiely JL, Wallenstein S, Snook C, Susser MW. Medical care and the premature infant of normal birthweight. Pediatrics 1986; 77:158-166.
24. Kiely JL, **Paneth N**, Susser MW. An assessment of maternal age and parity in different components of perinatal mortality. Am J Epidemiol 1986; 123:444-454.
25. **Paneth N**. The etiology of cerebral palsy. Pediatric Annals 1986; 15:191-201.
26. **Paneth N**. Birth and the origins of cerebral palsy. (Editorial) New Eng J. Med 1986; 315:124-126.

1987

27. **Paneth N**, Kiely JL, Wallenstein S, Susser MW. The choice of place of delivery: Effect of hospital level on mortality in all singleton births in New York City. Am J. Dis Child 1987; 141:60-64.

1988

28. Pinto J, **Paneth N**, Kazam E, Kairam R, Rose W, Rosenfeld D, Witomski T, Stern I, Schonfeld S. Inter-observer variability in neonatal cranial ultrasonography. Paediatric and Perinatal Epidemiology 1988; 2:45-60.
29. Marcus M, **Paneth N**, Kiely JL, Susser MW. Determinants of interhospital transfer of low birthweight newborns. Medical Care 1988; 26:462-473.

1989

30. Moessinger A, Santiago A, **Paneth N**, Rey H, Blanc W, Driscoll J. Time trends in necropsy prevalence and birth prevalence of lung hypoplasia. Paediatric and Perinatal Epidemiology 1989; 3:421-431.

1990

31. **Paneth N**, Rudelli R, Monte W, Rodriguez E, Pinto J, Kairam R, Kazam E. White matter necrosis in very low birthweight infants: Neuropathologic and ultrasonographic findings in infants surviving six days or more. J Pediatrics 1990; 116:975-984.
32. **Paneth N**. Technology at birth. (Editorial) Am J Pub Health 1990; 80:791-2.
33. Whitaker A, Johnson J, Sebris S, Pinto J, Wasserman G, Kairam R, Shaffer D, **Paneth N**. Neonatal cranial ultrasound abnormalities: Association with developmental delay at age one in low birth weight infants. J Developmental and Behavioral Pediatrics 1990; 11:253-260.
34. Leviton A, **Paneth N**. Cerebral white matter damage in premature infants - an epidemiologic perspective. Early Human Dev 1990; 24:1-22.
35. Papiernik E, Alexander G, **Paneth N**. Racial difference in pregnancy duration: Implications for prenatal care. Medical Hypotheses 1990; 33:181-186.

1991

36. **Paneth N**. Human reproduction after ingestion of PCB-contaminated fish. Health Environ Digest 1991; 5:4-6.
37. Bhushan V, **Paneth N**. The reliability of neonatal head circumference measurement. J Clinical Epid 1991; 44:1027-1035.

1992

38. Neugebauer R, **Paneth N**. Epidemiology and the wider world. Celebrating Zena Stein and Mervyn Susser. Paediatric and Perinatal Epidemiology 1992; 6:122-131.
39. Pinto-Martin J, **Paneth N**, Witomski T, Stern I, Schonfeld S, Rosenfeld D, Rose W, Kazam E, Kairam R, Katsikiotis V, Susser M. The central New Jersey neonatal brain hemorrhage study: Design of the study and reliability of ultrasound diagnosis. Paediatric and Perinatal Epidemiology 1992; 6:273-284.
40. **Paneth N**. Power and patronage in medical research. (Invited commentary) Med Anthropology Quarterly 1992; 6:147-148.
41. **Paneth N**. Tiny babies - enormous costs. (Invited commentary) Birth 1992; 19:154-155.
42. **Paneth N**. Neonatal care and patterns of handicap in the community. Clinic Dev Med 1992; 123/124:232-241.

1993

43. **Paneth N**. The causes of cerebral palsy: Recent evidence. Clinical and Investigative Medicine 1993; 16:95-102.
44. **Paneth N**, Bommarito M, Stricker J. Electronic fetal monitoring patterns and neurodevelopmental outcome. Clin and Investigative Med 1993; 16:159-165.
45. **Paneth N**, Pinto-Martin J, Gardiner J, Wallenstein S, Katsikiotis V, Hegyi T, Hiatt IM, Susser M. Incidence and timing of germinal matrix/intraventricular hemorrhage in low birthweight infants. Am J Epidemiol 1993; 137:1167-1175.
46. Bhushan V, **Paneth N**, Kiely JL. Recent secular trends in the prevalence of cerebral palsy. Pediatrics 1993; 91:1094-1100.

1994

47. **Paneth N**. Neurobehavioral effects of power frequency electromagnetic fields. Env Health Perspectives 1994; 101: Suppl. 4:101-106.
48. **Paneth N**, Rip M. Uses of epidemiology in the evaluation of regional perinatal services. Social & Preventive Medicine 1994; 39:3-10.
49. Hegyi T, Carbone T, Anwar M, Ostfeld B, Hiatt M, Koons A, Pinto-Martin J, **Paneth N**. Blood pressure ranges in premature infants. I. The first hours of life. J Pediatrics 1994; 124:627-633.
50. Reuss ML, **Paneth N**, Susser M. Does the loss of placental hormones contribute to neurodevelopmental disabilities in preterm infants? Dev Med Child Neurol 1994; 36:743-747.

51. Kazam E, Rudelli R, Monte W, Rubenstein WA, Kairam R, **Paneth N**. Sonographic diagnosis of subarachnoid hemorrhage in premature infants: Value of the subarachnoid cisterns. AJNR 1994; 15:1009-1020.
52. **Paneth N**. The impressionable fetus? Fetal life and adult health. (invited commentary) Am J Pub Health 1994; 84:1372-1374.
53. Lantos JD, Tyson JE, Allen A, Frader J, Hack M, Korones S, Merenstein G, **Paneth N**, Poland R, Saigal S, Stevenson D, and Van Marter L. Withholding and withdrawing life-sustaining treatment in neonatal intensive care: Issues for the 1990s. Arch Dis Child 1994; 71:218-223.
54. Holzman C, **Paneth N**. Maternal cocaine use in pregnancy and perinatal outcomes. Epidemiologic Reviews, 1994; 16:315-334.

1995

55. Holzman C, **Paneth N**, Little R, Pinto-Martin J: Perinatal brain injury in premature infants born to mothers using alcohol in pregnancy. Pediatrics 1995; 95:66-73.
56. Pinto-Martin J, Riolo S, Cnaan A, Holzman C, Susser MW, **Paneth N**. Cranial ultrasound prediction of disabling and non-disabling cerebral palsy in a low birthweight population. Pediatrics 1995; 95:249-254.
57. **Paneth N**, Susser MW. Early origin of coronary heart disease (the "Barker hypothesis") (invited commentary) Brit Med J 1995; 310:411-412.
58. **Paneth N**. The problem of low birthweight. The Future of Children 1995; 5:19-34.
59. Reuss ML, Clark C, **Paneth N**. Efficiency of sampling: Birthweight and gestational age distributions in two cohorts, less than 31 weeks and 500-1499 grams. Paediatric and Perinatal Epidemiology 1995; 9:341-350.

1996

60. **Paneth N**. Adopting a public health approach to developmental neurotoxicity. (invited commentary). Neurotoxicology and Teratology 1996; 18:233-234.
61. Hegyi T, Anwar M, Carbone MT, Ostfeld B, Hiatt M, Koons A, Pinto-Martin J, **Paneth N**. Blood pressure ranges in premature infants. II. The first week of life. Pediatrics 1996; 97:336-342.
62. Reuss L, **Paneth N**, Lorenz JM, Pinto-Martin J, Susser M. Transient hypothyroxinemia in preterm infants and neurodevelopment at age two. New England J Med 1996; 334:821-827. [Data from this paper are used as a teaching tool for regression methods in Rosner B: Fundamentals of Biostatistics. 5th ed. Duxbury Thomson, 2000, p. 506-7]
63. Pinto-Martin J, Zhao HQ, Dobson V, Cnaan A, **Paneth N**. Vision outcome at age two in low birthweight population. Pediatric Neurology 1996; 14:281-287.
64. Whitaker AH, Feldman JF, Van Rossem R, Schonfeld IS, Pinto-Martin JA, Torre C, Blumenthal SR, **Paneth NS**. Neonatal cranial ultrasound abnormalities in low birth weight infants: Relation to cognitive outcomes at six years of age. Pediatrics 1996; 98:719-729.
65. Courval JM, DeHoog JV, Holzman CB, Tay EM, Fischer L, Humphrey H, **Paneth NS**, Sweeney AM. Fish consumption and other characteristics of reproductive-aged Michigan anglers--a potential population for studying the effects of consumption of Great Lakes fish on reproductive health. Toxicology and Industrial Health 1996; 12:347-359.
66. **Paneth N**, Ahmed F, Stein A. Early nutritional origins of hypertension: a hypothesis still lacking support J Hypertension 1996; 14 (Supp. 5):S121-S129.

1997

67. **Paneth N**, Jetton J, Pinto-Martin J, Susser M and the NBH Study Team. Magnesium sulfate in labor and risk of neonatal brain lesions and cerebral palsy in low birthweight infants. Pediatrics 1997; 97:723. URL:<http://www.pediatrics.org/cgi/content/full/99/5/e1>.
68. Leviton A, **Paneth N**, Susser M, Reuss L, Allred EN, Kuban K, Van Marter L, Sanocka U, Hegyi T, Hiatt M, Shahrivar R. Maternal receipt of magnesium sulfate does not appear to reduce the risk of neonatal white matter damage. Pediatrics 1997; 99:593. URL:<http://www.pediatrics.org/cgi/content/full/99/4/e2>.
69. Reuss ML, **Paneth N**, Lorenz JM, Susser M. Correlates of low thyroxine values at newborn screening among infants born before 32 weeks gestation. Early Human Dev 1997; 47:223-233.

70. Reuss ML, Leviton A, **Paneth N**, Susser M. Thyroxine values from newborn screening of 919 infants born before 29 weeks of gestation. Am J Pub Health, 1997; 87: 1693-1697.
71. Whitaker A, Van Rossem R, Feldman J, Schonfeld I, Torre C, Pinto-Martin J, Blumenthal S, Shaffer D, **Paneth N**. Perinatal brain injury as detected by neonatal cranial ultrasound: psychiatric sequelae in LBW children at age six. Arch Gen Psychiatry 1997; 54:847-856.

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26. Paneth N: The Necessity for Clinical Research. Cicely Williams Lecture, Jamaican Paediatric Society, Kingston, Jamaica, March 1999.
27. Lorenz JL, Paneth N: Aggressive v Expectant Care of the Extremely Premature Newborn Society for Pediatric Research, San Francisco, May 1999. (Abstract Ped Research 1999;)
28. Pinto-Martin JA, Cnaan A, Zhao H, Paneth N: Neonatal brain damage and cognitive outcome at age nine in a low birthweight cohort. Society for Pediatric and Perinatal Epidemiologic Research, Baltimore, June 1999. (Abstract: Paed Perinatal Epidemiol 1999;).
29. Jetton JR, Paneth N: The relationship between chronic lung disease and parenchymal lesions in the development of disabling cerebral palsy. Society for Pediatric and Perinatal Epidemiologic Research, Baltimore, June 1999. (Abstract: Paed Perinatal Epidemiol 1999;)

2000

30. National Longitudinal Child Health Study – 1st planning meeting. Invited commentator on strategy. Washington, DC. Jan 12, 2000.
31. Physicians as scientists – the exciting world of clinical research. Spectrum Medical Research Conference. Tortola, BVI, Feb 3., 2000
32. The epidemiology of cerebral palsy. Allergan/United Cerebral Palsy meeting on therapeutic options in cerebral palsy. Phoenix, AZ, Feb 28, 2000

33. Public health and biomedical research – what is the connection? First Annual Dean’s Invited Lecture, New York Medical College, March 2, 2000.
34. Thyroid deficiency and brain damage in premature infants. Division of Neonatology, New York Medical College, March 3, 2000.
35. Clinical research in the community – the new biomedical frontier. Grand Rapids Research Day, March 18, 2000.
36. Jetton JR, Lorenz JL, Paneth N: Chronic lung disease is independently associated with cerebral palsy. Society for Pediatric Research, Boston, May 13. (Abstract: Pediatric Research 2000;47:314A).
37. Biomedical research and public health. Summer Program in Epidemiology Invited Lecture, University of Michigan School of Public Health, June 12, 2000.
38. Centers for Disease Control Child Health Study planning meeting. Invited commentator on review of longitudinal studies in children. Washington, DC September 19, 2000.
39. The consequences of birth asphyxia. Annual Neonatology Update. University of Michigan division of neonatology, November 10, 2000.
40. National Longitudinal Child Health Study – 2nd planning meeting. Invited lecture on design and methods for the longitudinal study. Washington, DC. December 12, 2000.

2001

41. Folate, sleep position and other cheap thrills: the triumph of low technology in child health. Society for Pediatric Research invited plenary speaker, June 2001. Also presented at the Department of Pediatrics, McMaster University, Hamilton, ONT, Canada, June 2001

2002

42. Understanding mode of transmission of diseases is the essential goal of epidemiology. Columbia University Colloquium in Epidemiology, March 2002
43. How can we improve neurodevelopmental outcomes in premature babies? Invited plenary address. 35th annual meeting of the Wisconsin Association for Perinatal Care. Oconomowoc, WI, April 2002.
44. What we know and what we don’t know about prematurity prevention. 35th annual meeting of the Wisconsin Association for Perinatal Care. Oconomowoc, WI, April 2002.
45. Invited lecture. Birth asphyxia and subsequent development. Middlesborough Symposium on Birth Asphyxia. Middlesborough, England, June 2002.
46. Neurodevelopmental disabilities: conceptual issues and recent progress. Society for Epidemiologic Research, Palm Desert, CA, June 2002.
47. Varma S, Whitaker A, Feldman J, McNicholas F, Pinto-Martin J, Paneth N: Gender and maternal smoking during pregnancy: relation to psychopathology in low birthweight survivors. *Am Acad Child Psych*, San Francisco, November, 2002

2003

48. A population perspective on neonatal brain hemorrhage. Childrens Memorial Hospital –Northwestern University School of Medicine. April 2003
49. What can modern epidemiologists learn from John Snow? John Cassel lecture. University of North Carolina School of Public Health. September 2003.
50. Neurodevelopment and Neuroprotection: the role of thyroid hormone. Invited plenary address, 25th anniversary of National Perinatal Epidemiology Unit, Oxford, UK, October 2003. Also given, in somewhat expanded form, at UMDNJ-Robert Wood Johnson Medical School, October 2003
51. Challenges at an Academic Health Center – with a special emphasis on research. Pfizer pharmaceuticals. Tarrytown, NY, October 2003.

2004

52. Wirth J, Potter RC, Puschek E, McQueeney J, Paneth N, Diamond MP: Study design to assess effects of organochlorines on male infertility. Society for Pediatric Epidemiologic Research, Salt Lake City, Utah, June 2004.

53. Moderator, Symposium on Life Course Epidemiology. Society for Epidemiologic Research. Salt Lake City, Utah, June 2004.
54. John Snow and Epidemiology Today. First John Snow Lecture, Society for Epidemiologic Research, Salt Lake City, Utah, June 2004.

2005

55. Epidemiologic Principles in Designing, Executing and Analyzing Newborn Follow up studies. Pediatric Academic Society Mini-Course, Washington, DC, May 2005
56. Rebel or Reactionary? John Snow and Public Health Reformers. Alfred Evans Lecture, University of Michigan Department of Epidemiology, July 2005
57. The Two Faces of Perinatal Epidemiology. Special plenary lecture, NIH-CIHR Course in Reproductive and Perinatal epidemiology. Cape Cod, MA, July 2005
58. Joseph A, Punch J, Stephenson M, Wolfe E, Paneth N, Murphy W: The Effects of Training Format on Earplug Performance. Association of Medical Corps Officers of the Navy. Nashville TN, November, 2005
59. New Developments in Cerebral Palsy Epidemiology. Diana Woo Memorial Lecture, University of Chicago, October, 2005
60. The Barker Hypothesis Revisited: Fetal Origins or Maternal Origins? Hot Topics in Neonatology Symposium, Washington, DC, December 2005.

2006

61. Cerebral Palsy Research. United Cerebral Palsy Association Meeting, Little Rock, AK, April 2006
62. An Epidemiologic Perspective on the National Children's Study. Society for Epidemiologic Research, Seattle, WA, June 2006
63. Cerebral Palsy Research. North American Conductor and Program Administrator Workshop. Grand Rapids, MI, August 2006.
64. The Training Program in Perinatal Epidemiology at Michigan State University. Harvard School of Public Health, Cambridge, MA, September 2006
65. The Origins of Cerebral Palsy. Pediatric Grand Rounds, University of Michigan, Ann Arbor, October 2006
66. The Maternal Origins Hypothesis. 22nd International Symposium on Neonatal Intensive Care, Milan, Italy, October, 2006
67. International Differences in Neonatal Care and their Effects. 30th International Conference of the Division of Neonatology, University of Miami, Miami, FL, November, 2006
68. Discoveries Emerging From Three Large Cohort Studies of Prematures. 30th International Conference of the Division of Neonatology, University of Miami, Miami, FL, November, 2006
69. Historical Trends in Neonatal Outcomes: An Overview of the 20th Century. Vermont Oxford Neonatal Network Annual Meeting, Washington, DC, December 2006

2007

70. The Origins of Cerebral Palsy. Pediatric Grand Rounds, Sparrow Hospital, Lansing, February 2007
71. The Origins of Cerebral Palsy. Pediatric Grand Rounds, William Beaumont Hospital, Royal Oak, MI, February 2007.
72. Bauer PW, Pivarnik JM, Feltz DL, Paneth N, Womack CJ: Effects of Gestational Weight Gain and Physical Activity on Postpregnancy Weight Gain and Body Composition. American College of Sports Medicine, Indianapolis, June 2007.
73. Hong T SPER Boston, MA June 2007
74. Nechuta S Skorokhod V, Mudd LM, Elliott MR, Lepkowski JM, Paneth N for the Michigan Alliance for the National Children's Study: Attitudes of pregnant women to participation in research during pregnancy. SPER Boston, MA June 2007 2008
75. Mudd LM, Skorokhod V, Nechuta S, Elliott MR, Lepkowski JM, Paneth N for the Michigan Alliance for the National Children's Study: Prenatal care and delivery room staff attitudes towards research and the National Children's Study, SPER Boston, June 2007

76. The Maternal Origins Hypothesis. 48th annual meeting of the European Society for Pediatric Research, Prague, Czech Republic, October, 2007.

2008

77. Paneth N. New themes and new approaches in investigating the causes of CP. 18th Annual Pediatric Neurology Update and Festschrift for Karin B. Nelson. March 6, 2008. NIH, Bethesda, MD.
78. Paneth N. The Etiology of CP. Michigan CP Conference, Ann Arbor, March 13, 2008
79. Paneth N. The Michigan Alliance for the National Children's Study. Michigan Epidemiology Conference. East Lansing, April 4, 2008
80. Paneth N: The Epidemiology of Long-term Outcomes in CP. Conference on Aging in CP in honor of Arnold Werner, MD. East Lansing, May 12, 2008
81. Paneth N: Mortality, morbidity and long-term outcomes of preterm birth. Invited State of the Science Talk. Surgeon General's conference on the prevention of preterm birth. Bethesda, June 16, 2008.
82. Mudd LM, Pivarnik JM, Paneth N: Women's perceptions of physical activity safety during pregnancy. SPER, Chicago, June 2008
83. Siddiqi N, Paneth N, Karna P: Does uncomplicated germinal matrix or intraventricular hemorrhage lower cognitive function in premature infants? SPER, Chicago, June 2008.
84. Paneth N: The adults with cerebral palsy. What do we know? What do we need to know? AACPD, Atlanta, GA, September 2008.
85. Paneth N: The National Children's Study: Big Science comes to Pediatrics. Grand Rounds, Department of Pediatrics, Robert Wood Johnson – UMDNJ Medical School, New Brunswick, NJ, November 2008.

2009

86. Paneth N: The National Children's Study (February – May, 2009) Michigan Department of Community Health; MSU College of Nursing; Annual meeting of the Perinatal Society of Michigan; University of Wisconsin, Madison; Medical College of Milwaukee; New York Perinatal Society,
87. Paneth N: The Causes of Cerebral Palsy. Waisman Center, University of Wisconsin, Madison, April 2009.

2010

88. Paneth N: New approaches to Cerebral Palsy. Van Andel Research Institute (Koo Lecturer), Grand Rapids, MI, January 2010.
89. Paneth N, Kort E: Epidemiology as a Career. Biology Department, Calvin College, Grand Rapids, MI, Feb, 2010.
90. Paneth N: National Children's Study Update. Keynote Address, 2010 Michigan Epidemiology Conference, East Lansing, MI, March, 2010.
91. Paneth N: The National Children's Study. Michigan Society for Developmental Disabilities. East Lansing, MI, April 2010.
92. Paneth N: The National Children's Study. Michigan Society for Research Administration, East Lansing, MI, July 2010.
93. Paneth N: The need for evaluation in Cerebral Palsy therapy. European Academy of Childhood Disabilities. Brussels, Belgium (Castang Lecturer). May, 2010.
94. Paneth N: New approaches to CP Research. West Michigan Neurology Society, Grand Rapids, MI, October 2010.

2011

95. Paneth N: The Causes of Cerebral Palsy. Northern Michigan University, Marquette, MI, February, 2010
96. Paneth N: The National Children's Study. DC Children's Hospital, Washington, DC (Einhorn Lecturer)
97. Paneth N: New Molecular Approaches to the Etiology of Cerebral Palsy. University of Medicine and Dentistry of NJ, New Brunswick, NJ, May, 2011.
98. Ho NT, Fu W, Furge K, Dykema K, Busik J, Khoo SK, Haak PT, Resau J, Lenski M, VanderBeek S, Paneth N: Messenger RNA (mRNA) expression in archived newborn blood spots of children with and without cerebral palsy. Society for Pediatric and Perinatal Epidemiologic Research, Montreal, Que, CA, June 2011.

99. Paneth N: New Molecular Approaches to the Etiology of Cerebral Palsy. Pediatrics Grand Rounds, Department of Pediatrics, NYU School of Medicine, October 2011.
100. Paneth N: New Molecular Approaches to the Etiology of Cerebral Palsy. Department of Epidemiology, Columbia University, November, 2011

2012

101. Kerver J, Paneth N: The National Children's Study is coming to Grand Traverse County, MI.... but when? Traverse City community group, January, 2012.
102. Paneth N: The National Children's Study Needs to Have Hypotheses. NCS Investigators' meeting, Bethesda, MD Feb 2012
103. Paneth N: New Molecular Findings in the Etiology of Cerebral Palsy. Plenary speaker, Gait & Clinical Movement Analysis Society, Grand Rapids, MI, May 2012.
104. What clues can we extract from observational studies in prematures and from CP prevention trials to guide analysis of MOBAND data? University of Bergen, Bergen Norway, May 2012.
105. Paneth N: The Central NJ Neonatal Brain Hemorrhage Study. What have we learned since 1984? NeoForum 2012, Morristown, NJ, June 2012
106. Paneth N: Using Gene Expression in archived newborn blood spots to identify antecedents of neurodevelopmental disabilities. Institute for Environmental Health, Wayne State University, October, 2012

2013

107. Paneth N: Using gene expression in archived newborn blood spots to identify antecedents of CP. Cerebral Palsy Research: On the Cutting Edge - CP Research Consortium of Michigan 3rd Biennial Conference. Wayne State University, January 2013
108. Paneth N: What's new in Place of Birth since 1982? IOM workshop on Place of Birth, Washington, DC, January 2013.
109. Paneth N: The transcriptome in epidemiologic investigation: an illustration from a case-control study of cerebral palsy. American Epidemiological Society, East Lansing, MI, March 2013
110. Paneth N: Modes of Communication: The central focus of Epidemiology? American Epidemiological Society, East Lansing, MI, March 2013
111. Paneth N: The Singular Science of John Snow. Plenary address. London School of Hygiene & Tropical Medicine, John Snow Bicentenary Conference, April 2013.
112. Paneth N: Experiments on gene expression in newborn blood spots. BLEEP conference, University of Michigan, Ann Arbor, Oct 2013
113. Paneth N: Transient hypothyroxinemia - to treat or not to treat? Invited lecture, American Academy of Pediatrics, Orlando, FL, October, 2013.
114. Paneth N: The Importance of Early Childhood Development to Nation Building. Guest Lecture at the 10th anniversary of the Jamaican Early Childhood Commission. Kingston, Jamaica, November, 2013
115. Paneth N: Combined Outcomes in Perinatal Randomized Trials: Is it a good idea? Symposium on randomized trials, Wayne State University-NICHD Perinatal Research Branch, December, 2013

2014

116. Paneth N: Using the Transcriptome to Investigate the Etiology of Cerebral Palsy and other Neurodevelopmental Disorders. National Institute of Public Health, Oslo, Norway, February, 2014.
117. Paneth N: Combined Outcomes in Prevention Trials: Rarely a good idea. American Epidemiological Association, Rutgers University, March 2014.
118. Paneth N: Factors to consider in studying the purported fetal origins of disease. Symposium on the premature as adult. Pediatric Academic Societies. Vancouver, BC, May 2014.
119. Paneth N: Using the Transcriptome to Investigate the Etiology of Cerebral Palsy and other Neurodevelopmental Disorders. Michigan Society of Neonatology, Howell, MI, September, 2014

2015

120. Paneth N: Why John Snow still matters to modern epidemiology. Departmental Seminar, Department of Epidemiology, University of Michigan, January 2015.
121. Paneth N: Insights from the newborn transcriptome into later neurodevelopment Robert Wood Johnson Medical School, New Brunswick, NJ, March 2015.
122. Paneth N: Epidemiology and Biostatistics in fetal origins research. NIH conference on Adult disorders of the preterm infant. Bethesda, MD, August, 2015.
123. Paneth N: The Composite Outcome Dilemma in Newborn Medicine. Society for Evidence-Based Neonatology, Philadelphia, September, 2015
124. Paneth N: Gene expression in newborn blood spots and risk of CP. Society for Evidence-Based Neonatology, Philadelphia, September, 2015

2016

125. Paneth N: the Epidemiology and Preventability of CP. University of Wyoming College of Health Sciences Research Day, April 2016.

2017

126. Paneth N: Population-based research into pregnancy health and the antecedents of childhood disorders: the ECHO program in Michigan. MSU Department of Pediatrics and Human Development Research Rounds, March 1, 2016 and Sparrow Hospital, Lansing, MI Pediatric Grand Rounds, March 2, 2016.
127. Seaton T, Mehta S, Luo Z, Paneth N, Kerver JM: Pregnancy-related weight and offspring BMI at 3-6 years in the ARCH cohort, Lansing MI. Society for Pediatric and Perinatal Epidemiologic Research, Seattle WA, June 2017
128. Kerver JM, Pearce E, Ma T-F, Zdanukiewicz M, Paneth N: Urinary Iodine Nutrition in Pregnancy in a US Population. Society for Pediatric and Perinatal Epidemiologic Research, Seattle WA, June 2017
129. Kerver J, Pearce E, Ma T-F, Zdanukiewicz M, Paneth N: Urinary Iodine Nutrition in Pregnancy in a US Population. Society for Pediatric and Perinatal Epidemiologic Research, June 2017, Seattle, WA
130. Seaton T, Kerver J, Luo Z, Paneth N, Mehta S: Pregnancy-related weight and offspring BMI at 3-6 years in the ARCH cohort, Lansing MI. Society for Pediatric and Perinatal Epidemiologic Research, June 2017, Seattle, WA.
131. Paneth N: Beyond Cerebral Palsy: What Other Health Risks Do Premature Survivors have to Deal With? Michigan Society of Neonatologists, East Lansing, September, 2017.
132. Paneth N: Population-Based Research into Pregnancy Health and the Antecedents of Childhood Disorders: The ECHO Program in Michigan. Department of Epidemiology, University of Michigan, October, 2017.
133. Paneth N: Approaches to Investigating the Etiology of Childhood Disorders With Roots in Pregnancy and the Perinatal Period. Visiting Professor, Division of Research, Kaiser-Permanente of Northern California, Oakland CA, December 2017.

2018

134. Paneth N: Planning a Fundable Research Application to NIH: MSU RAIND Quarterly Meeting, East Lansing, January, 2018.
135. Paneth N: The Potential Contribution of MOBAND to the Epidemiology of Cerebral Palsy. NIEHS, Durham, NC, March 2018.
136. Paneth N: The Potential Contribution of MOBAND to the Epidemiology of Cerebral Palsy. 6th Michigan Statewide Cerebral Palsy Conference, East Lansing, April, 2018
137. Paneth N: Use of Archived newborn blood spots to gain insights into the causes of developmental disabilities. MDHHS newborn screening conference, Grand Rapids, MI, October 2018.
138. Paneth N: Linking Pregnancy Surveillance for Public Health to Studying the Prenatal Origins of Pediatric Disorders. Magee-Womens Research Institute Reproductive Biology Summit. October 2018.

2019

139. Paneth N: Preterm Birth and Adult Non-Developmental Outcomes. SHIPS/EPIC Meeting. Rome, Italy. January, 2019
140. Paneth N: Adult Outcomes of Very Preterm Birth. Herbert Goldenring Memorial Lecture, Department of Pediatrics, Yale University, March 2019
141. Paneth N: Inflammation-related proteins in the first weeks of life and neurodevelopment in extremely low gestational age newborns (ELGANs). Society for Reproductive Immunology. Grand Rapids, MI, June, 2019
142. Paneth N: Prevention of Developmental Disabilities. DOCTRID conference, Galway, Ireland, September, 2019
143. Paneth N: The Public Health Impact of Perinatal Epidemiology. Reproductive Epidemiology Conference in honor of Allen Wilcox. NIEHS, Chapel Hill, NC, October, 2019
144. Paneth N: Prospects for future research on perinatal health issues. Burroughs Welcome Pregnancy Think Tank, Research Triangle Park, NC, November 2019.

2020

145. Paneth N: Convalescent plasma: latest findings. Department of Epidemiology and Biostatistics, MSU. October, 2020 and to Mason Rotary and to Lansing Rotary (both in November, 2020)

2021

146. Paneth N: A Focus on the totality of the evidence. MITRE Foundation Webinar, January 2021
147. Paneth N: Risk factors in utero and in the first weeks of life and cerebral palsy in extremely low gestational age newborns (ELGANs). Michigan Statewide CP conference, February 2021.
148. Paneth N: Studying efficacy during an epidemic: the case of convalescent plasma. University of Florida, Department of Epidemiology seminar, February 2021.
149. Paneth N: What must be embraced and what must be rejected for creativity in science to thrive. Workshop for doctoral students, University of Bergen: "The Art of Scientific Investigation". October 2021

2022

150. Paneth N: topic to be determined. Pregnancy Think Tank. Burroughs-Welcome Foundation, Denver, CO, October, 2022

TEACHING**CLINICAL SUPERVISION (House-officers and medical students in pediatrics)**

Emergency room and outpatient clinic supervisor, Babies Hospital, 1978-1988 (1-2 ½ day sessions per week); Michigan State University Clinical Center, 1990-1.

Hospital attending, Bronx Municipal Hospital 1977-1978; Babies Hospital and Harlem Hospital, 1979-1988 (two months per year). Sparrow Hospital, Lansing, 1992-1993 (one month per year).

COURSES**Graduate Students in Public Health, Columbia University**

Introductory Epidemiology (lecturer and seminar leader) 1978-1982

Perinatal Epidemiology, 1981-1988

Graduate Students in Public Health, Harvard University

Guest Lecturer in EPI 269: Reproductive and Perinatal Epidemiology (Elizabeth Hentschel, instructor) 2020,2021

Graduate Students in Epidemiology, Michigan State University

Introductory Epidemiology, 1994-2004, 2010 - 2019

Reproductive and Perinatal Epidemiology, 1995-1997

Perinatal Epidemiology, 1999 – 2020

Research Proposal Development, 2004-2016

Graduate Summer Session in Epidemiology, University of Michigan

Concepts in Reproductive Epidemiology, 1995, 1996

Medical Students

Epidemiology Elective Albert Einstein College of Medicine, 1977

Epidemiology Course, Columbia University College of Physicians and Surgeons

Seminar Leader, 1977-1988; Course Director, 1983-1988

Epidemiology Section, Pathology Course, University of Pennsylvania

School of Medicine, Seminar Leader, 1984-1987

Clinical Epidemiology/Analytic Medicine, Michigan State University, College of Human Medicine, Course Co-Director, 1991- 1993; seminar leader, 1991 – 2005; 2019.

Physicians and other Health Personnel

Designing Clinical Research, MSU Lifelong Education, (Grand Rapids, Spring 1991; Lansing, Winter 1992).

THESIS SUPERVISION (ALL IN EPIDEMIOLOGY UNLESS NOTED)**DOCTORAL COMMITTEE CHAIR****Columbia University**

1985 Michele Marcus Columbia University

Michigan State University

2008	Ting Hong
2009	Crystal Pirtle
2012	Steven Korzeniewski
2013	Ali Artaman, Nhan Thi Ho
2016	Abdul Wajid,
2017	Mallory Doan Davis
2019	Diana Haggerty
2021	Teng-Fei Ma
in progress	Peterson Haak, Katie Thornton, Alicynne Glazier,

DOCTORAL COMMITTEE PARTICIPATION

Epidemiology

Columbia University

1984	John Kiely
1985	Nancy Sloan
1986	Nicholas Freudenberg
1990	Sten Vermund

Yale University

1989	Susan Barkan
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University of Michigan

1996	Claudia Holzman
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Michigan State University

2009	Sarah Nechuta
2009	Lanay Mudd
2016	Tanja Knudsen Visiting PhD student from University of Copenhagen for two months.
2019	Cristin McCardle
2021	Karmila Ariesti,

Other disciplines (All at MSU)

2002	Swee Tan (Kinesiology)
2004	Anthony Joseph (Audiology)
2005	Patricia Sawyer (Kinesiology)
2007	Shallimar Jones (Psychology)
2018	Michelle Conway (Kinesiology)
2018	Todd Buckingham (Kinesiology)
2020	David Hemmings (Kinesiology)

MASTERS COMMITTEE CHAIR

Columbia University

1982	Patricia Arsenault
1983	Paul Henneberger, Michele Marcus Diane McLean
1988	Cynthia Dickinson

Michigan State University

1999	Daniel Harrison
2000	Shariff Bishai, Maria Coronado, Gene Tay, Hong Qiu
2001	Eric Kort, Sung Lee, Julia Wirth

2002	Vincent Palusci, Deborah Wagenaar
2004	Ting Hong, Andrew Mullard, James Pivarnik
2005	Steven Korzienenwski
2006	Jun Tsui Fan, Ali Artaman
2008	Bridget Protas, Nick Olomu
2011	Mallory Doan
2013	Lynette Biery
2015	Abdul Wajid
2016	Laura Mark
In progress	Peterson Haak, Edward Jados

MASTERS COMMITTEE PARTICIPATION (All at MSU)

1997	Fawzia Ahmed, Michael Collins
1998	Jianping He
1999	Steven Dosh, Janet Osuch, Sana Shakour
2000	Lucy Karanja
2001	David Weismantel
2006	Nira Hadar
2009	Jean Kerver
2016	Diana Haggerty
2017	Taylor Seaton
2019	Andrea Sosa-Moreno

POST-DOCTORAL MENTORING (T32 perinatal fellows working directly with me unless specified)

2005-7	Jean Kerver PhD
2006-2008	Eric Kort MD, Nazish Siddiqi MB BCh
2006-2008	Brian Mavis, PhD (<i>MSU faculty member; assigned mentee</i>)
2006-2013	Ali Artaman MD (<i>supported by grants from NIH and BCBS of MI</i>)
2007-2009	Yona Cloonan PhD, Nicole Talge PhD
2008-2013	Steven Obaro MD (<i>MSU faculty member; assigned mentee</i>)
2008-2010	Renee Mijal PhD, Rob Payne MD Mary Jo Cooley Hidecker PhD (<i>F31 individual post-doctoral fellowship from NIDCD</i>)
2009-2012	Nhan Ho MD (<i>Vietnam Education Foundation Fellow</i>)
2010-2012	Mary Grzybowski RN, PhD; Tammy Movsas MD, MPH
2010-2016	Abdul Wajid MD (<i>Fulbright Scholar</i>)
2011-2013	Jaimie Slaughter, PhD, Jamuna Manandhar MD
2012-2014	Katie Thornton DDS, MPH, Qing Li MD, Dr. PH