

Amir Miodovnik, MD, MPH, FAAP

Current Business Address: Maimonides Medical Center
Center for Brain and Behavior
4802 Tenth Avenue
Brooklyn, NY 11219

Previous Business Address: Boston Children's Hospital
Developmental Medicine Center
300 Longwood Avenue
Boston, MA 02115

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EDUCATION

Undergraduate

1992 – 1996 University of Virginia
BA with Distinction
Echols Scholars Program (Honors Program)

Medical School

1996 – 1998 The Ohio State University College of Medicine
1998 – 2000 The Cleveland Clinic (in affiliation with The Ohio State University College of Medicine)

Pediatrics Internship and Residency

2000 – 2004 Lurie Children's Hospital of Chicago (formerly Children's Memorial Hospital) and Northwestern University Feinberg School of Medicine

Postgraduate Fellowships

2008 – 2011 Pediatric Environmental Health, Mount Sinai Hospital, NY
2012 – 2015 Developmental-Behavioral Pediatrics, Boston Children's Hospital and Harvard Medical School

Research Training

2007 – 2010 Master of Public Health, Mount Sinai School of Medicine, NY

Postgraduate Medical Coursework

2011 Diploma in Tropical Medicine and Hygiene, Gorgas Memorial Institute, Peru

PROFESSIONAL EMPLOYMENT AND HOSPITAL APPOINTMENTS

Oct 2015 - present Chief, Developmental-Behavioral Pediatrics
Center for Brain and Behavior
Maimonides Medical Center, Brooklyn, NY

July 2016 – present Assistant Professor
Department of Pediatrics
Albert Einstein College of Medicine, Bronx, NY

July 2012 - present Adjunct Clinical Instructor
Department of Preventive Medicine
Mount Sinai School of Medicine, NY

July 2011 - June 2012 Clinical Instructor
Department of Preventive Medicine
Department of Pediatrics
Mount Sinai School of Medicine, NY

July 2010 - June 2011 Attending Pediatrician
Mount Sinai Pediatric Associates
Mount Sinai Hospital, NY

Dec 2006 - June 2007 Pediatric Urgent Care Attending
Division of Emergency Medicine
Children’s Hospital Los Angeles

July 2004 - Nov 2006 Attending Pediatrician
Department of Pediatrics
US Naval Hospital Okinawa, Japan

Board Certifications: American Board of Pediatrics, 2004
ABP Maintenance of Certification, 2014
Developmental-Behavioral Pediatrics, 2017

Society Memberships: American Academy of Pediatrics
Society of Developmental Behavioral Pediatrics
Massachusetts Medical Society
New York Academy of Medicine
AAP Committee on Environmental Health

AWARDS AND HONORS

- New York Academy of Medicine Award for Best Presentation, April 2010
- Society of Toxicology PPTOXII Meeting Student Travel Award Miami, FL, December 2009
- Global War on Terrorism Service Medal United States Navy, 2005
- National Defense Service Medal United States Navy, 2004
- Ohio State University School of Public Health, International Research Grant, 2000
- Ohio State University College of Medicine, Samuel J. Roessler Research Scholarship, 1997

GLOBAL HEALTH WORK

- 2011 Universidad Peruana Cayetano Heredia
Institute of Tropical Medicine, Lima, Peru
- 2010 Project Medishare
Field Doctor for Haiti Earthquake Relief, Port-au-Prince, Haiti
- 2009 Health Education and Relief Through Training
Field Doctor at JFK Medical Center, Monrovia, Liberia
- 2008 Médecins Sans Frontières (Doctors Without Borders)
Field Doctor for Emergency Meningitis Outbreak, Katsina State, Nigeria
- 2007 Médecins Sans Frontières
Field Doctor at Health Care Centers for Internally Displaced Populations, Gulu, Uganda

MILITARY EXPERIENCE

2004 – 2006 Lieutenant Commander in United States Navy Medical Corps, Okinawa, Japan

CERTIFICATIONS

- 2015 LEND (Leadership Education in Neurodevelopmental and Related Disabilities)
Fellowship Program at Boston Children's Hospital
- 2014 Brazelton Touchpoints Certification, Brazelton Touchpoints Center, Boston, MA

RESEARCH MENTOR FOR POSTGRADUATE STUDENTS

†Halperin E, ‡Bui T, Anandaraja N, Mengistu S, Aronson JE, **Miodovnik A** (2010)
HIV-Associated Neurocognitive Deficits in Children on Anti-Retroviral Therapy in Ethiopia

†Goyal N, †Shively R, Anandaraja N, Luboga S, **Miodovnik A** (2009)
Trends and Behaviors in Children with Elevated Blood Lead Levels in Kampala, Uganda

†Shively R, †Goyal N, Anandaraja N, Luboga S, **Miodovnik A** (2009)
Effectiveness of Community-Based Educational Interventions on Lead Awareness in Kampala, Uganda

†Medical Student, Mount Sinai School of Medicine

‡MPH Student, Mount Sinai School of Public Health
INVITED PRESENTATIONS

Maimonides Medical Center Pediatric Grand Rounds

- The Co-Occurrence of Autism Spectrum Disorder and Attention-Deficit Hyperactivity Disorder in Children: What Do We Know? 2017

New York Academy of Medicine

- Endocrine Disruptors and Neurodevelopmental Disorders, 2011
- Endocrine Disruptors and Childhood Social Impairment, 2010
- Introduction to Pediatric Environmental Health, 2008

Pediatric Academic Societies (PAS) Annual Meeting

- What Gets Said: Deconstructing Media Messages about Pediatric Environmental Health Concerns. Vancouver, BC, 2010
- Prenatal Phthalate Exposure Associated with Childhood Behaviors Common to Both ADHD and Conduct Disorder. Baltimore, MD, 2009

Center for Xenobiotic Risk Research at the University of Zürich

- Chemical Impact on Brain Development: Role in Brain Dysfunction, ADHD, and Autism. Zürich, Switzerland, 2012

Children's Environmental Health Conference

- Eat Fish, Choose Wisely: Protecting Against Mercury Poisoning. San Juan, Puerto Rico, 2009

BIBLIOGRAPHY

A. Original Communications in Reviewed Journals

1. Irani K, Pham Y, Coleman LD, Roos C, Cooke GE, **Miodovnik A**, et al. (1998). Priming of Platelet α IIb β 3 by Oxidants is Associated with Tyrosine Phosphorylation of β 3. *Arteriosclerosis, Thrombosis and Vascular Biology*. 18:1698- 1706.
2. **Miodovnik A** and Landrigan PJ (2009). The FDA's Risk Assessment on Lead in Women's and Children's Vitamins is Based on Outdated Assumptions. *Environ Health Perspect*. 117(7):1021-1022
3. Engel SM, Zhu C, Berkowitz GS, Canfield RL, Calafat AM, Silva MJ, **Miodovnik A**, Wolff MS (2009). Prenatal Phthalate Exposure is Associated with Abnormal Neonatal Behavior in a Multiethnic Birth Cohort. *Neurotoxicology*. 30(4):522-8
4. Engel SM, **Miodovnik A**, Canfield RL, Zhu C, Calafat AM, Silva MJ, Wolff MS (2010). Behavior and Executive Functioning. *Environ Health Perspect*. 118(4): 565–571
5. **Miodovnik A**, Engel SM, Ye X, Zhu C, Soorya L, Silva MJ, Calafat AM, Wolf MS (2011). Endocrine Disruptors and Childhood Social Impairment. *Neurotoxicology*. 32(2): 261–267
6. **Miodovnik A**, Diplas AI, Engel SM, Zhu C, Chen J, Wolf MS (2011). Polymorphisms in the Maternal Sex Steroid Pathway Associated with Childhood Behavior Problems. *Psychiatric Genetics*. 22(3):115–122
7. Kobrosly RW, Evans S, **Miodovnik A**, Barrett ES, Thurston SW, Calafat AM, Swan SH (2014). Prenatal phthalate exposures and neurobehavioral development scores in boys and girls at 6-10 years of age. *Environ Health Perspect*. May; 122(5):521-8
8. **Miodovnik A**, Harstad E, Sideridis G, Huntington N (2015). Timing of the Diagnosis of Attention-Deficit/Hyperactivity Disorder and Autism Spectrum Disorder. *Pediatrics*. 136(4):e830-e837

B. Books, Chapters in Books, and Review Articles

1. **Miodovnik A** (2018). Prenatal Exposure to Industrial Chemicals and Pesticides and Effects on Neurodevelopment. Nriagu JO (ed.) *Encyclopedia of Environmental Health*, Volume 4, pp. 648–658
2. Children's Environmental Health: Clinical Advances and Challenges (2011). **Amir Miodovnik**, Philip Landrigan (eds.) *Mount Sinai Journal of Medicine*. 78(1):1–158
3. **Miodovnik A** (2011). Environmental Neurotoxicants and Developing Brain. *Mount Sinai Journal of Medicine*. 78(1):58–77

4. Landrigan PJ and **Miodovnik A** (2011). Children's Health and the Environment: An Overview. *Mount Sinai Journal of Medicine*. 78(1):1–10
5. **Miodovnik A**, Edwards A, Bellinger DC, Hauser R (2014). Developmental neurotoxicity of ortho-phthalate diesters: review of human and experimental evidence. *Neurotoxicology*. 41:112-22

C. Abstracts

1. Prenatal Exposure to Low Molecular Weight Phthalates and Childhood Behavior and Executive Functioning. *Mount Sinai Pediatric Research Day*, New York, NY, April 17, 2009 (**Awarded Best Poster**)
2. Prenatal Exposure to Low Molecular Weight Phthalates and Autistic Social Impairment. *International Society of Environmental Epidemiology Annual Meeting*, Dublin, Ireland, 2009
3. Prenatal Exposure to Low Molecular Weight Phthalates and Autistic Social Impairment. *PPTOX2 Society of Toxicology Annual Meeting*, Miami, FL, 2009
4. Endocrine Disruptors and Childhood Social Impairment. *Pediatric Academic Societies Annual Meeting*, Vancouver, BC , 2010
5. Phthalates and Attention Deficit/Hyperactivity Disorder in Childhood. *International Neurotoxicology Conference*, Research Triangle Park, North Carolina, 2011