



MOUNT SINAI  
SCHOOL OF  
MEDICINE

## *Fellowship in Environmental Pediatrics*

*Children today are at risk of exposure to multiple environmental hazards-toxic chemicals, social stressors and the hazards of the built environment.*

*Evidence is mounting that exposures in the modern environment influence health and development and contribute to the causation of many common diseases in children—asthma, cancer, birth defects, learning disabilities, ADHD, autism, obesity and diabetes.*

*Yet most pediatricians are not trained to study the environmental causes of illness or to diagnose, treat and prevent diseases in children of environmental origin.*

## *Program Description*

The Mount Sinai Fellowship in Environmental Pediatrics is a three-year, interdisciplinary research training program. It will provide advanced training in pediatric environmental health to a select cadre of pediatricians and doctorally trained scientists.

- Epidemiologic research in environmental pediatrics will be the core training theme.
- Neurodevelopmental disorders; diabetes and obesity; and asthma and allergy will be the diseases of principal interest.
- Selection of Fellows will be competitive, and emphasis will be placed on recruitment of underrepresented minorities.
- The Fellowship links to the Mount Sinai Center for Children's Environmental Health and Disease Prevention Research, the Region II Pediatric Environmental Health Specialty Unit, and the National Children's Study.
- The program builds on a curriculum in Pediatric Environmental Health developed through the Ambulatory Pediatric Association and supported at Mount Sinai.
- The program is contingent on NICHD funding.

## *Annual Fellows' Retreat*

Each December, each Fellow will attend a Retreat for Pediatric Environmental Health Scholars convened by the Ambulatory Pediatric Association. At this Retreat, Fellows from across the USA will have an opportunity to present research in progress and to spend protected time with leaders in the field.

## *Program Curriculum*

This three-year Fellowship training program will combine classroom education that leads to an MPH degree, with a mentored research experience, and clinical experience in environmental pediatrics. Most coursework will be completed in the first two years.

### **1st Year:**

- Fellows will receive didactic training in epidemiology, biostatistics, environmental medicine, study design and research methodology through the Mount Sinai MPH program.
- Fellows will select a research topic, a mentor, and an interdisciplinary advisory committee and begin their mentored research.
- Fellows will gain clinical experience in environmental pediatrics in the Pediatric Environmental Health Specialty Unit.

### **2nd and 3rd Year:**

- Fellows will complete their MPH coursework.
- Fellows will take a course on grant writing at the New York Academy of Medicine.
- Fellows will complete their mentored research project, write papers, an MPH thesis and a grant application based on this research, and begin their transition to academic independence.
- Fellows will continue to see patients in the Pediatric Environmental Health Specialty Unit.

### **All 3 years:**

- Fellows will participate in a seminar series in biomarkers and molecular epidemiologic methods
- Fellows will receive career development guidance from their mentors and the program director.

## Expected Outcomes

Each Fellow will be expected to accomplish these goals:

- Successful completion of an MPH degree focusing on environmental pediatrics.
- Authorship of at least 1-2 publishable manuscripts based on original research.
- Authorship of at least 2-3 posters for presentation at regional or national meetings.
- Development of a K08, R01 or equivalent grant proposal.

## Application

The Fellowship is open to physicians who have completed two to three years of pediatric residency training and also to research scientists in related disciplines who have completed doctoral training. Fellows will be selected on the basis of their interest in pediatric environmental health, academic and clinical performance during residency or research training, research potential, and potential for future academic leadership.

Interested applicants may submit a letter of intent and a curriculum vitae to:

Dr. Philip J. Landrigan  
Professor and Chairman  
Department of Community & Preventive Medicine  
Professor of Pediatrics  
Mount Sinai School of Medicine  
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## Program Faculty

**Philip J. Landrigan, MD, MSc**, Professor of Pediatrics, Professor and Chairman, Department of Community & Preventive Medicine, Program Director

**David Savitz, PhD**, Professor of Epidemiology and Director, Mount Sinai Institute for Epidemiology, Biostatistics and Disease Prevention, Co-Director for Epidemiology

**Danielle Laraque, MD**, Professor of Pediatrics and Director, Division of General and Community Pediatrics, Co-Director for Community Pediatrics

**Joel Forman, MD**, Associate Professor of Pediatrics and Community & Preventive Medicine, Vice-Chairman and Residency Program Director, Department of Pediatrics

**Maida Galvez, MD, MPH**, Assistant Professor, Pediatrics and Community & Preventive Medicine, and Director Region II PEHSU

**Mary McKay, PhD, LCSW**, Professor, Psychiatry and Pediatrics

**Jacqueline Moline, MD, MSc**, Vice-Chairman of Community & Preventive Medicine and Associate Professor, Occupational and Environmental Medicine

**Hugh A. Sampson, MD**, Professor of Pediatrics and Associate Dean for Translational Research

**Frederick J. Suchy, MD**, Professor and Chairman, Department of Pediatrics

**Leonardo Trasande, MD, MPH, MPP**, Assistant Professor, Pediatrics and Community & Preventive Medicine

**Mary S. Wolff, PhD**, Professor of Environmental Science and Director, Center for Children's Environmental Health and Disease Prevention Research



## The Mount Sinai Fellowship Training Program in Environmental Pediatrics



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Environmental Pediatrics  
Fellowship will be supported by:

**The National Institute of Child  
Health and Human Development**