Laboratory Training and Funding:
Trainees may join the laboratory of any research training faculty member (basic science or clinical) in the Mount Sinai Graduate School of Biomedical Sciences (http://www.mssm.edu/education/graduate-school/faculty-and-staff). As appropriate for the individual career development plan, trainees may take courses in the Graduate School of Biological Sciences, which oversees coursework leading to the PhD in Biomedical Sciences, Masters of Public Health, Masters of Science in Genetic Counseling, and Masters of Science and PhD in Clinical Research. Funding is available to Research Pathway residents to support research work during training.

Eligibility and Application Process:
Research Residency applications will be accepted by candidates whose future subspecialty areas of interest include:

- Allergy/Immunology
- Cardiology
- Endocrinology
- Gastroenterology/Hepatology
- Genetics
- Neonatology
- Nephrology

We encourage individuals who have completed MD/PhD training or who have exceptionally strong basic or translational science research experience (Doris Duke, Howard Hughes, MD/MPH, MD/MSCR) to apply to our program. Successful applicants are expected to have demonstrated outstanding performance in their medical school clinical training.

Applications to the Research Residencies described above should be submitted through ERAS. Note that the Pediatric Research Residency Program and the Combined Pediatric/Medical Genetic Residency Programs have separate NRMP numbers from the regular residency program in Pediatrics.

Applications to the Research Residency are reviewed by the Directors of the Research Residency Programs identified above as well as the Directors of Pediatric Residency Training Program. Selected applicants will be invited to interview at Mount Sinai with both clinical and research faculty, the Division Chief and Fellowship Director of the applicant’s future subspecialty area of interest, and the Directors of the Research Residency Program.

Key Faculty:
Lisa M. Satlin, M.D.
Professor and Chair, Department of Pediatrics

Robert J. Desnick, Ph.D., M.D.
Dean for Genetics and Genomic Sciences
Professor, Department of Genetics and Genomic Sciences

Joel Forman, M.D.
Pediatric Residency Program Director
Vice Chair for Education
Department of Pediatrics

Ethylin Wang Jabs, M.D.
Medical Genetics Residency Program Director
Vice Chair, Department of Genetics and Genomic Sciences

Bruce D. Gelb, M.D.
Director, Child Health and Development Institute
Professor, Departments of Pediatrics and Genetics and Genomic Sciences

Department of Pediatrics
Mount Sinai School of Medicine
One Gustave L. Levy Place
Box 1512
New York, NY 10029
Tel: 212-241-6934

The Mount Sinai Kravis Children’s Hospital was named among the best children’s hospitals in the country by U.S. News & World Report in 2011-12, ranked in gastroenterology, nephrology, diabetes and endocrinology, and pulmonology. Mount Sinai’s health professionals offer advanced multidisciplinary treatment, supported by innovative research, effective community outreach, and advocacy programs.
Mount Sinai Medical Center (MSMC):

The MSMC encompasses the Mount Sinai Hospital (MSH) and Mount Sinai School of Medicine (MSSM). MSH, founded in 1852, serves one of the most diverse and complex patient populations in the world. MSSM, which opened its doors in 1968, has a long and distinguished tradition of excellence in clinical/translational and basic research, as well as in innovative patient care, professional education, and community involvement. With a faculty of more than 3,400 in 38 clinical and basic science departments and centers, and 14 multidisciplinary Institutes, MSSM ranks 18th among U.S. medical schools in NIH research funding and was ranked 16th in the most recent (2011-2012) U.S. News and World Reports survey of America’s Best Graduate Schools.

As one of the few U.S. medical schools to be created from a hospital, MSSM has continuously fostered the concept of the physician-scientist as the model of excellence for medical care, research and education. The proximity of clinicians, clinical/translational investigators and basic scientists on campus fosters frequent interactions, collaboration, use of core facilities, and training opportunities. This generates an extraordinary environment for physician-scientists at every stage of their careers.

Department of Pediatrics:

A formal pediatric service was first established in MSH in 1878 and was the first pediatric service in New York City in a general hospital and one of the first in the United States. The Pediatric Residency Program has been continuously accredited by the ACGME since 1927.

Extramural research funding exceeds $20 million at present, placing the Department in the top 15% of pediatric departments nationwide. The children’s health research initiative at Mount Sinai is further extended by close collaboration with:

- The Child Health and Development Institute, led by Dr. Bruce Gelb, with core research focused on the prevention and treatment of diabetes/obesity, cardiovascular diseases, neurodevelopmental disorders, and allergy/asthma.
- The Department of Preventive Medicine, chaired by Dr. Philip Landrigan, which has played a pioneering role in planning and developing the highly acclaimed NIH-funded National Children’s Study.
- The Department of Genetics and Genomic Sciences, chaired by Dr. Eric Schadt.
- Conduits, the Institutes for Translational Sciences (supported by a Clinical and Translational Science Award from the National Center for Research Resources) led by Dr. Hugh Sampson, whose major programs are directed by pediatricians.

Research areas of particular strength within the Department include the molecular genetics of congenital heart disease, the molecular physiology and ontogeny of epithelial transport, regulation of the gene underlying cystic fibrosis, the immunopathogenesis of food allergy, and the impact of the environment on children’s health.

Overall Program Structure:

The Mount Sinai Pediatric Research Residency Program and the Combined Pediatrics/Medical Genetics Residency Program are designed to provide diverse opportunities for promising graduates of M.D./Ph.D. or M.D. programs, with extensive research experience, to continue their development as biomedical investigators during and after their formal clinical residency training. Our goal is to train future academic leaders committed to careers in basic or clinical/translational research and clinical care.

Highlights of both Programs:

- Oversight of trainees by a special committee of senior research advisors within the Departments of Pediatrics and Genetics and Genomic Sciences, as appropriate, that assists the resident in identifying mentors and research opportunities from the time of entry into the program.
- Access to a wide array of basic science and clinical research laboratories and investigators at MSSM (see below, “Laboratory Training and Funding”) from whom residents can select a research mentor and project.
- Participation in institution-wide and departmental seminars and unique career development workshops targeted to future pediatric physician-scientists.
- Full compliance with the ABP Accelerated Research Pathway at an institution with a track record of successfully training residents in ABP approved accelerated pathways in the past.

Combined Pediatrics/Medical Genetics Residency Program:

The combined 5-year Pediatrics/Medical Genetics residency program is structured in accordance with the special agreement between the American Board of Pediatrics (ABP; www.abp.org) and the American Board of Medical Genetics (www.abmg.org).

The integrated 5-year training program is divided equally between the Pediatrics and Medical Genetics Residencies, both of which are independently accredited by the Accreditation Council for Graduate Education (ACGME; www.acgme.org). Trainees spend their first year in Pediatrics. The second, third and fourth years of training are split between Pediatrics and Medical Genetics, and the entire fifth year is devoted to Medical Genetics. On completion of training the resident is board eligible for certification in both specialties.

Highlights of the Combined Pediatrics/Medical Genetics Residency include:

- Flexible scheduling of calls and other duties during the initial year of clinical training to accommodate early integration into the educational and research conferences in Genetics.
- Exposure to clinical and educational training not only in pediatric genetics and rare diseases, but also in cancer genetics, common complex disorders (e.g., cardiac disease and diabetes), and adult onset diseases.
- Exposure to comprehensive genetic testing services through the Mount Sinai biochemical, cytogenetic, and molecular laboratories.