Research Interests: Dr. Annunziato's research focuses primarily on the psychosocial needs of medically ill children and adults. She is interested in the transition to adulthood for adolescents with a medical illness. Her research in this area aims to develop interventions to improve medical and mental health outcomes when patients are shifted from pediatric to adult oriented settings.

Type of Research: Clinical/Translational

Publications:


Ronen Arnon, M.D.
Associate Professor of Pediatrics and Surgery; Medical Director of Pediatric Hepatology and Liver Transplantation

Institute Affiliation:
Recanati-Miller Transplant Institute

Lab/Location: Icahn MC Level, Room 57

Email: ronen.arnon@mssm.edu

Research Interests: Dr. Arnon studies the outcomes after liver transplantation in various groups of pediatric patients with liver disease (metabolic, structural, genetic). The outcomes he studies includes the risk factors for death and graft loss after liver transplantation in very young infants, children with biliary atresia, Allagile syndrome, Wilson disease and cystic fibrosis.

Type of Research: Clinical/Translational

Publications:


Margaret Baron, M.D., Ph.D.
Professor of Medicine (Hematology and Medical Oncology), Developmental and Regenerative Biology, Gene and Cell Medicine, and Oncological Sciences

Institute Affiliation:
Tisch Cancer Institute, Black Family Stem Cell Institute

Lab/Location: Anenberg 24-68

Email: margaret.baron@mssm.edu

Research Interests: The research in the Baron lab combines embryology and stem cell biology, with a focus on hematopoietic development. The lab is particularly interested in how mesoderm is specified to hematopoietic and vascular endothelial lineages and in development and differentiation of red blood cells.

Type of Research: Basic/Translational

Publications:


Fraser, S.T., Isern, J. and Baron, MH. Maturation and enucleation of primitive erythroblasts is accompanied by changes in cell surface antigen expression patterns during mouse embryogenesis. Blood. 2007;109: 343-352.
Keith Benkov, M.D.
Associate Professor of Pediatrics (Gastroenterology) and Division Chief of Gastroenterology

Medical Director, Children’s Inflammatory Bowel Disease Center

Lab/Location: 5 E. 98th Street, 10th Floor

Email: keith.benkov@mssm.edu

Research Interests: Dr. Benkov investigates the outcomes of children and adolescents with inflammatory bowel disease, based on a large database of over 1500 patients seen in the last 14 years at the Children’s IBD Center. His particular interests include the genetic aspects of Crohn’s disease and the unique clinical phenotype on young children presenting with inflammatory bowel disease.

Type of Research: Clinical/Translational

Publications:


M. Cecilia Berin, Ph.D.
Associate Professor of Pediatrics (Allergy and Immunology)

Institute Affiliation: Immunology Institute

Lab/Location: Annenberg 17-24

Email: cecilia.berin@mssm.edu

Research Interests: Dr. Berin studies the mucosal immunology of food allergy. Using mouse models and samples from patients with food allergy, she aims to understand local mechanisms responsible for allergic sensitization or immune tolerance to food proteins.

Type of Research: Basic/Translational

Publications:


Research Interests: Dr. Bottinger is interested in understanding the genetic, environmental and clinical factors that underlie differences in risk for common complex disease, including diabetes and kidney disease. He is using electronic medical records and genomics to advance gene-based information in clinical practice.

Type of Research: Basic, Clinical/Translational

Publications:


Research Interests: Dr. Bunyavanich investigates the genetics and genomics of asthma and allergic diseases. She applies genetic and genome-wide approaches to population-based studies to better understand atopic disorders.

Type of Research: Clinical/Translational

Publications:


Ross L. Cagan, Ph.D.
Professor of Developmental and Regenerative Biology and Associate Dean of the Graduate School of Biological Sciences

Lab/Location: Annenberg 25-40
Email: ross.cagan@mssm.edu

Research Interests: The Cagan lab uses Drosophila to explore cancer and diabetes with the goal of developing drug therapeutics designed to account for whole animal complexity. Using current human sequencing efforts, he has developed multigenic cancer models designed to capture the complexity observed in human disease. In addition, the lab has developed robotics-based methods for screening whole flies in a semi-high throughput manner, allowing for the development of novel drugs that target multiple pathways.

Type of Research: Basic/Translational

Publications:


Chen-Leng Cai, Ph.D.
Assistant Professor of Developmental and Regenerative Biology

Lab/Location: Atran 3-08
Email: chenleng.cai@mssm.edu

Research Interests: Dr. Cai has a strong interest in elucidating the molecular pathways controlling mammalian heart development, disease and regeneration. His research uses genetic mouse models to uncover the networking of the key transcription factors during early cardiac induction and development, and how different cardiac precursors coordinate to contribute to the heart formation.

Type of Research: Basic/Translational

Publications:


Mirna Chehade, M.D., M.P.H.
Assistant Professor of Pediatrics (Allergy and Immunology) and Medicine (Gastroenterology)
Director, Mount Sinai Center for Eosinophilic Disorders, Jaffe Food Allergy Institute

Institute Affiliation:
Jaffe Food Allergy Institute (Director)

Lab/Location: Annenberg 17-60
Email: mirna.chehade@mssm.edu

Research Interests: Dr. Chehade’s research is focused on allergic eosinophilic gastrointestinal disorders, including eosinophilic esophagitis and eosinophilic gastroenteritis. She studies clinical outcomes of therapies as well as the immunopathogenesis of these diseases, and is examining for non-invasive blood and urine biomarkers for these diseases.

Type of Research: Clinical/Translational

Publications:


Dennis J. Chia, M.D.
Assistant Professor of Pediatrics (Endocrinology)

Lab: Atran 4-02
Email: dennis.chia@mssm.edu

Research Interests: Dr. Chia’s research aims to understand the molecular mechanisms that govern growth in childhood. His lab studies how epigenetic alterations can contribute to persistent changes in gene expression, with focus on the growth hormone-insulin like growth factor-I (IGF-I) axis.

Type of Research: Basic/Translational

Publications:


Jaime Chu, M.D.
Assistant Professor of Pediatrics (Hepatology)

Institute Affiliation:
Recanati-Miller Transplant Institute

Lab/Location: Annenberg 24-34
Email: jaime.chu@mssm.edu

Research Interests: Dr. Chu uses the zebrafish model to study liver disease in congenital disorders of glycosylation.

Type of Research: Basic/Translational

Publications:


Charlotte Cunningham-Rundles, M.D., Ph.D.
Professor of Immunology, Medicine and Pediatrics
Program Director, Allergy Immunology Fellowship

Lab/Location: Icahn 1120
Email: charlotte.cunningham-rundles@mssm.edu

Research Interests: Dr. Cunningham-Rundles is interested in the pathogenesis, characterization and treatment of primary human immune deficiency diseases. Her lab investigates the genetics and functions of B cells in immune defects and autoimmunity.

Type of Research: Basic/Translational

Publications:


David E. DeLaet, M.D., M.P.H.
Assistant Professor of Medicine (Division of General Internal Medicine) and Pediatrics (Division of General Pediatrics)

Lab/Location: Annenberg 21-32
Email: david.delaet@mssm.edu

Research Interests: Dr. DeLaet’s main research interest focuses on the transition of adolescents and young adults with special health care needs from the pediatric-oriented to the adult-oriented medical home. He also is interested in obesity in adults as well as access to care among minorities.

Type of Research: Clinical/Translational

Publications:


Robert J. Desnick, Ph.D., M.D.
Professor and Chair Emeritus of Genetics and Genomic Sciences; Dean for Genetic and Genomic Medicine

Office: Icahn 14-70C
Email: robert.desnick@mssm.edu

Research Interests: Dr. Desnick’s research interests include genomics, gene discovery, pharmacogenetics, and inborn errors of metabolism. His translational research includes drug development for treatment of genetic diseases.

Type of Research: Basic, Clinical/Translational

Publications:


**Angela Diaz, M.D., M.P.H.**  
Professor of Pediatrics  
(Adolescent Medicine) and    
Preventive Medicine  
Lab/Location: 320 East 94th St.  
Email: angela.diaz@mssm.edu  

**Research Interests:** Dr. Diaz’s research interests focus on adolescent related issues, including cervical, anal and oral HPV persistence and risk factors among adolescent girls, the impact of physical and sexual abuse on the health and mental well-being of adolescents, adolescent disclosure of abuse in primary care settings and sexual and reproductive health.

**Type of Research:** Clinical/Translational

**Publications:**


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**David Dunkin, M.D.**  
Assistant Professor of Pediatrics  
(Gastroenterology and Nutrition)  
Lab: Icahn 11-02  
Email: david.dunkin@mssm.edu  

**Research Interests:** Dr. Dunkin is interested in understanding the mechanism by which the human body develops or fails to develop tolerance to foreign antigens including food and intestinal flora that leads to diseases such as allergies and inflammatory bowel disease. Using animal models, he is investigating these mechanisms during epicutaneous exposure to food antigens. In addition, Dr. Dunkin and his collaborators in the Center for Chinese Medicine are investigating the use of Chinese herbal therapies for the treatment of IBD.

**Type of Research:** Basic/Translational

**Publications:**

Vilma Gabbay, M.D., M.S., LL.B.
Associate Professor of Psychiatry and Neuroscience
Chief, Pediatric Mood and Anxiety Disorders Program
Lab/Location: Behavioral Science Unit, 1240 Park Ave
Email: vilma.gabbay@mssm.edu

Research Interests: Dr. Gabbay studies the neurological and immunological mechanisms that contribute to the development and maintenance of mood disorders in youth. Her research efforts utilize an array of sophisticated, cutting-edge techniques, including functional magnetic resonance (MR) imaging, MR spectroscopy, immunological and genetic assays, and comprehensive clinical evaluations.

Type of Research: Clinical/Translational

Publications:


Maida P. Galvez, M.D., M.P.H.
Associate Professor of Preventive Medicine and Pediatrics
Lab/Location: 17 East 102nd St., 2nd Floor
Email: maida.galvez@mssm.edu

Research Interests: Dr. Galvez’s research is focused on neighborhood factors in the urban built environment and environmental endocrine disruptor exposures and their impact on children’s growth and development.

Type of Research: Clinical/Translational

Publications:


Bruce D. Gelb, M.D.
Professor of Pediatrics (Cardiology) and Genetics & Genomic Sciences

Institute Affiliation:
Child Health and Development Institute (Director)

Lab: Atran 3-02
Email: bruce.gelb@mssm.edu

Research Interests: Dr. Gelb is interested in uncovering and then understanding the genetic causes of congenital heart defects (CHD). Using state-of-the-art genomic approaches, his research group is studying Mendelian and complex traits with CHD, and then models disease genes in cells and animals.

Type of Research: Basic/Translational

Publications:


Peter Heeger, M.D.
Professor of Medicine (Nephrology)

Institute Affiliation: Immunology Institute, Recanati Miller Transplant Institute (Director of Research)

Lab/Location: Annenberg 21-32
Email: peter.heeger@mssm.edu

Research Interests: The focus of the Heeger research program is transplantation immunology and complement biology. The lab uses mouse models to identify mechanisms of immune injury and tolerance and then apply the findings to develop monitoring and treatment strategies in human transplant recipients with the long term goal of prolonging allograft survival and improving patient health.

Type of Research: Basic/Translational

Publications:


Tom Hildebrandt, Psy.D.
Assistant Professor of Psychiatry; Director, Eating and Weight Disorders Program
Lab/Location:
1425 Madison Ave, 6th Floor
Email:
tom.hildebrandt@mssm.edu

Research Interests:
Dr. Hildebrandt studies the neuroendocrinology of eating and weight disorders and anabolic-androgenic steroid use, with special interest in disruption of gonadal and appetite hormones and their influences on emotional and eating disturbances. He uses the identification of these neurobiological mechanisms to guide the development of behavioral and family based treatments for adolescents and adults.

Type of Research: Clinical/Translational

Publications:


Ethylin Wang Jabs, M.D.
Professor of Genetics & Genomic Sciences, Pediatrics, and Developmental and Regenerative Biology
Lab/Location: Icahn 14-76
Email: ethylin.jabs@mssm.edu

Research Interests:
Dr. Jabs has a strong interest in understanding the genetic basis of birth defects. Her research is focused on craniofacial disorders including craniosynostosis and cleft lip and palate. Her group uses developmental biology and “omic” approaches to study the pathogenetic mechanisms, signaling pathways and networks involved in developmental processes. Based on these findings, therapeutic strategies are being tested in animals models.

Type of Research: Basic/Translational

Publications:


Jennifer S. Kim, M.D.
Assistant Professor of Pediatrics
(Allergy and Immunology)

Institute Affiliation:
Jaffe Food Allergy Institute

Lab/Location: Annenberg 17-90
Email: jennifer.kim@mssm.edu

Research Interests: Dr. Kim has a special interest in food allergy and is currently a co-investigator in research protocols exploring new therapeutic modalities including milk oral immunotherapy combined with anti-IgE therapy. She is also interested in investigating the genetics and genomics of peanut allergy.

Type of Research: Clinical/Translational

Publications:


Lawrence C. Kleinman, M.D., M.P.H.
Associate Professor of Pediatrics and Health Evidence and Policy (Vice Chair for Research and Education)

Lab/Location: Icahn, 3rd Floor, Suite L3-50
Email: lawrence.kleinman@mssm.edu

Research Interests: Dr. Kleinman, a research methodologist who has developed innovative analytical approaches using quantitative and qualitative data, is known for his work in measuring and improving the quality of health care. He has developed innovative performance measures for the private sector, and contributed to the first integrated conceptual framework for measuring the quality of children’s health care.

Type of Research: Clinical/Translational

Publications:


Alex Kolevzon, M.D.
Associate Professor of Psychiatry and Pediatrics; Clinical Director, Seaver Autism Center for Research and Treatment

Lab/Location: Icahn, 4-51
Email: alexander.kolevzon@mssm.edu

Research Interests: Dr. Kolevzon’s research is focused on developing new pharmacological treatments in autism spectrum disorders. He collaborates with basic scientists at the Seaver Autism Center where genetic discovery in autism leads to the use of model systems and testing targeted molecular therapeutics. Dr. Kolevzon leads the clinical research team to then study these compounds in clinical trials.

Type of Research: Clinical/Translational

Publications:


Robert S. Krauss, Ph.D.
Professor of Developmental and Regenerative Biology and Oncological Sciences

Institute Affiliation:
Black Family Stem Cell Institute
Tisch Cancer Institute

Lab: Annenberg 25-70
Email: robert.krauss@mssm.edu

Research Interests: Dr. Krauss, a cell and developmental biologist, is interested in mechanisms of cell adhesion and signal transduction during fetal development and how when these processes go awry it contributes to birth defects and disease. One area of focus is the role of the Hedgehog pathway in midline patterning, defects in which cause the common and devastating birth defect holoprosencephaly.

Type of Research: Basic/Translational

Publications:
Hong, M., Krauss, R.S. *Cdon* mutation and fetal ethanol exposure synergize to produce midline signaling defects and holoprosencephaly spectrum disorders in mice. *PLoS Genet* 2012; in press.


Philip J. Landrigan, M.D., M.Sc., D.I.H.
Professor and Chair of Preventive Medicine, Professor of Pediatrics

Lab/Location: CAM 3 West
Email: phil.landrigan@mssm.edu

Research Interests: Dr. Landrigan has a strong interest in discovering how environmental exposures in prenatal and early postnatal life – in particular, to toxic chemicals – influence health and development in children and across the entire human lifespan. He has studied the developmental toxicity of heavy metals, pesticides and endocrine disruptors. He utilizes the power of prospective, birth cohort, epidemiologic studies to elucidate the neurobehavioral consequences of early-life exposures to toxic chemicals.

Type of Research: Clinical/Translational

Publications:


Xiu-Min Li, M.D., M.S.
Professor of Pediatrics (Allergy and Immunology)

Institute Affiliation:
Jaffe Food Allergy Institute

Lab/Location: Altenburg 17-25 and 17-80
Email: xiu-min.li@mssm.edu

Research Interests: Dr. Li’s research focuses on understanding the mechanisms underlying the pathogenesis of allergic diseases including food allergy and allergic asthma, and on developing novel therapies for these diseases, including immunomodulators, natural products, and novel active compounds isolated from natural products.

Type of Research: Basic/Translational

Publications:


Lourdes Oriana Linares, Ph.D.
Associate Professor of Pediatrics (Adolescent Health)

Lab/Location: 320 E. 94th Street
Email: oriana.linares@mountsinai.org

Research Interests: Dr. Linares is a developmental psychologist with expertise in promoting positive family factors for psychological well-being among maltreated children in out-of-home placements. She has developed and rigorously evaluated multi component family-based psychosocial interventions for families in the foster care system. Most recently Dr. Linares has developed a laboratory paradigm to examine alteration of the HPA-axis in traumatized youth as a physiological marker of treatment resistance.

Type of Research: Clinical/Translational

Publications:

Anderson M & Linares LO. The role of cultural dissimilarity factors on child adjustment following foster placement, Children and Youth Services Review, 2012; April: 597-601.


Ruth J.F. Loos, Ph.D.
Professor, of Preventive Medicine; Director, Genetics of Obesity and Related Metabolic Traits Program

Lab/Location: Annenberg 18-80
Email: ruth.loos@mssm.edu

Research Interests: Dr. Loos’ interests focus on the identification of genetic loci contributing to risk of obesity and related metabolic traits. She has led several large-scale gene-discovery efforts for obesity-related traits and has contributed to similar efforts for metabolic traits. Increasingly, her gene discovery work focuses on the identification of low-frequency variants through the implementation exomechip and sequencing projects, in particular in non-white ancestry populations. Her work also assesses the predictive value of established genetic loci and their interaction with lifestyle factors.

Type of Research: Translational

Publications:

Kilpeläinen TO, Zillikens MC, Stančáková A ...Loos RJ. Genetic variation near IRS1 associates with reduced adiposity and an impaired metabolic profile. Nat Genet 2011;43:753-60.


Robert G. Maki, M.D. Ph.D.
Professor of Pediatrics, (Hematology/Oncology; Division Chief), Medicine and Orthopaedics
Lab/Location: Annenberg 4-52
Email: robert.maki@mssm.edu

Research Interests: Dr. Maki studies sarcoma of soft tissue and bone, in particular focusing on angiogenesis and mechanisms of apoptosis, and gastrointestinal stromal tumors. He leads phase I-II-III clinical trials and participates in their design.

Type of Research: Basic, Clinical/Translational

Publications:


Madhan Masilamani, Ph.D.
Assistant Professor of Pediatrics (Allergy and Immunology)
Institute Affiliation: Jaffe Food Allergy Institute
Lab/Location: Annenberg 17-40
Email: madhan.masilamani@mssm.edu

Research Interests: Dr. Masilamani is interested in finding novel ways to treat food allergy. His current research focus is on the effects of anti-inflammatory phytochemicals on allergic sensitization and anaphylaxis to food in animal models. He is also involved in the development of T cell based immunotherapy for peanut allergy.

Type of Research: Basic/Translational

Publications:


Hirofumi Morishita, M.D. Ph.D.
Assistant Professor of Psychiatry, Neuroscience, and Ophthalmology

Institute Affiliation: Member of Child Health & Development Institute and Friedman Brain Institute

Lab/Location: Icahn 10-02

Email: hirofumi.morishita@mssm.edu

Research Interests:
Dr. Morishita’s research focuses on understanding the mechanisms of experience-dependent brain plasticity during developmental critical periods. By combining molecular, circuit, and systems level methodologies, his research aims to understand pathophysiology and therapeutic intervention for amblyopia and other neurodevelopmental disorders such as schizophrenia.

Type of Research: Basic/Translational

Publications:


Eric Nestler, M.D.
Professor and Chair of Neuroscience; Professor of Pharmacology and Systems Therapeutics, and Psychiatry

Institute Affiliation: Friedman Brain Institute (Director)

Lab/Location: Annenberg 21-32

Email: eric.nestler@mssm.edu

Research Interests:
Dr. Nestler’s research focuses on identifying the neurobiological basis of drug addiction and depression in rodent models. He studies the molecular and cellular changes that occur in regions of the brain important for reward and motivation in response to chronic administration of a drug of abuse or chronic exposure to stress. He is particularly interested in long-lasting changes that are mediated via alterations in gene expression and chromatin remodeling. The result of his research will guide future efforts toward the development of more effective treatments for addiction and depression.

Type of Research: Basic/Translational

Publications:


Maria I. New, M.D.
Professor of Pediatrics (Endocrinology) and Genetic & Genomic Sciences
Director, Adrenal Steroid Disorders Program

Lab/Location: Terrence Cardinal Cooke 419 Annex
Email: maria.new@mssm.edu

Research Interests: Dr. New is interested in discovering and then understanding the genetic causes of congenital adrenal hyperplasia (CAH). Her research emphasizes genotype/phenotype correlation and prenatal diagnosis and treatment.

Type of Research: Basic/Translational

Publications:


Jeffrey H. Newcorn, M.D.
Associate Professor of Psychiatry (Child and Adolescent Psychiatry) and Pediatrics
Director, Division of Child and Adolescent Psychiatry

Institute Affiliation: Friedman Brain Institute

Lab/Location: 19 East 98th St. 5th Floor
Email: jeffrey.newcorn@mssm.edu

Research Interests: Dr. Newcorn studies stimulant and non-stimulant medications for attention-deficit/hyperactivity disorder (ADHD) and related disorders. He focuses on the neurobiological underpinnings of these disorders and the mechanisms through which different treatments produce clinical improvement by pairing clinical treatment studies with neuroimaging and genetics.

Type of Research: Clinical/Translational

Publications:


Research Interests: Dr. Nowak-Wegrzyn has a special interest in food allergy. Her research focuses on egg and milk allergy treatment and pathophysiology of food protein-induced enterocolitis syndrome (FPIES).

Type of Research: Clinical/Translational

Publications:


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Research Interests: Dr. Posada’s research interest focuses on the medical management of perinatally HIV infected adolescents and young adults, and their transition into adult care, as well as on the management of pregnant, perinatally HIV-infected women and their newborn infants. He is also interested in the prevention and management of infections in transplant recipients.

Type of Research: Clinical/Translational

Publications:


Francesco Ramirez, D.Sc.
Professor of Pharmacology and Systems Therapeutics, Medicine (Cardiology) and Orthopaedics

Lab/Location: Annenberg 19-64A
Email: francesco.ramirez@mssm.edu

Research Interests: Dr. Ramirez is a molecular geneticist with a long standing interest in heritable disorders of connective tissue. Current work focuses on elucidating the pathogenesis of cardiovascular and musculoskeletal abnormalities in mouse models of Marfan syndrome, and on identifying new therapeutic means to mitigate progression of these systemic manifestations.

Type of Research: Basic/Translational

Publications:


Robert Rapaport, M.D.
Professor of Pediatrics and Director of the Division of Pediatric Endocrinology and Diabetes

Lab/Location: Annenberg 4 Room 4-81
Email: robert.rapaport@mounsinai.org

Research Interests: Dr. Rapaport’s research interests are focused on three main areas: growth, growth hormone treatment and metabolic aspects of children born small for gestational age, neonatal thyroid disease and pubertal disorders.

Type of Research: Clinical/Translational

Publications:

Rapaport R. Congenital Hypothyroidism: An Evolving Common Clinical Conundrum. *J Clin Endocrinol Metab*, September 2010; 95(9):4223–4225


Jeffrey M. Saland, M.D., M.S.C.R.
Associate Professor of Pediatrics (Nephrology) and Division Chief of Nephrology

Lab/Location: Annenberg 14-22
Email: jeff.saland@mssm.edu

Research Interests:
Dr. Saland participates in local and multicenter clinical studies of chronic kidney disease. He has focused on disorders of lipoprotein metabolism and cardiovascular complications in children with CKD. Dr. Saland has also been active in developing treatment for children with atypical hemolytic uremic syndrome.

Type of Research: Clinical/Translational

Publications:


Hugh A. Sampson, M.D.
Professor of Pediatrics (Allergy and Immunology)
Dean for Translational Biomedical Sciences

Institute/Affiliation: Jaffe Food Allergy Institute (Director)

Lab/Location: Annenberg 17-40;17-46; &17-60
Email: hugh.sampson@mssm.edu

Research Interests: Dr. Sampson’s research interests have focused on food allergic disorders including work on the immuno-pathogenic role of food hypersensitivity in atopic dermatitis, the pathogenesis of food-induced anaphylaxis, characterization of food-induced gastrointestinal hypersensitivities, molecular characterization of food allergens, and more recently immunotherapeutic strategies for treating food allergies.

Type of Research: Clinical/Translational

Publications:


Lisa M. Satlin, M.D.
Professor (Nephrology) and Chair of Pediatrics

Lab/Location:
Annenberg 14-18, -19

Email: lisa.satlin@mssm.edu

Research Interests:
Dr. Satlin’s developmental physiology lab focuses on exploring the molecular mechanisms underlying the ability of the maturing kidney to adjust sodium and potassium balance during periods of somatic growth, and the role of variations in urinary flow rate in the mechanoregulation of ion channels and transport proteins in the kidney in health and disease.

Type of Research: Basic, Clinical/Translational

Publications:

Kurt P. Schulz, Ph.D.
Assistant Professor of Psychiatry

Lab/Location: 19 East 98th St.
5th Floor

Email: kurt.schulz@mssm.edu

Research Interests: Dr. Schulz uses behavioral, neuropsychological, neuroendocrine and functional imaging techniques to study the development of cognitive processes in children with attention-deficit/ hyperactivity disorder (ADHD) and other disruptive behavioral disorders. His current research interests include neurobiological mechanisms of ADHD treatments and ancillary emotion problems.

Type of Research: Clinical/Translational

Publications:
Eyal Shemesh, M.D.  
Associate Professor of Pediatrics and Psychiatry;  
Division Chief of Developmental and Behavioral Pediatrics  
Lab/Location: Annenberg 4-54  
Email: eyal.shemesh@mssm.edu  
Research Interests: Dr. Shemesh, who trained as both a pediatrician and a child psychiatrist, studies ways to assess and then improve the well-being (especially emotional well-being) of children and adults who suffer from medical illnesses and their families, with a particular focus on traumatic stress reactions and nonadherence to medical regimens.  

Type of Research: Clinical/Translational  

Publications:  


Scott H. Sicherer, M.D.  
Professor of Pediatrics (Allergy and Immunology) and Division Chief of Allergy and Clinical Immunology; Medical Director, Clinical Research Center  
Lab/Location: Annenberg 17-90  
Email: scott.sicherer@mssm.edu  
Research Interests: Dr. Sicherer has a strong interest in food allergy with research focusing on epidemiology, psychosocial issues, prevention, modalities to educate physicians and parents about food allergy, daily management, natural history, and novel therapeutics.  

Type of Research: Clinical/Translational  

Publications:  


Mary V. Solanto, Ph.D.
Associate Professor of Psychiatry in Child Psychiatry
Director, ADHD Center

Lab/Location: 19 East 98th St.; Suite 5-D
Email: mary.solanto@mssm.edu

Research Interests: Dr. Solanto’s work has focused on the diagnosis and neuropsychology of ADHD in children and adults, the effects of stimulant medication on cognitive and behavioral functioning, and the mechanisms of action of treatment. She innovated a cognitive-behavioral treatment for adult ADHD, and currently also has a particular interest in interventions to facilitate adherence to medication treatment in children with ADHD.

Type of Research: Clinical/Translational

Publications:


Philippe M. Soriano, Ph.D.
Professor of Developmental and Regenerative Biology and Oncological Sciences

Institute Affiliation: Tisch Cancer Institute (Associate Director)

Lab/Location: Annenberg 25-70
Email: philippe.soriano@mssm.edu

Research Interests: Dr. Soriano is a developmental biologist who studies growth factor signaling pathways that have important roles in mouse craniofacial and early embryonic development. His laboratory uses state-of-the-art molecular genetic approaches in the mouse to address the general question of how biological specificity is acquired upon engagement of growth factor signaling.

Type of Research: Basic

Publications:


Andrew F. Stewart, M.D.
Director, Irene and Dr. Arthur M. Fishberg Professor of Medicine

Institute Affiliation:
Diabetes, Obesity and Metabolism Institute
(Director)

Lab/Location: Atran 4-5
Email: andrew.stewart@mssm.edu

Research Interests: The Stewart lab works on induction of proliferation and expansion of human pancreatic beta cells for regenerative and replacement therapies for Types 1 and 2 diabetes mellitus.

Type of Research: Basic, Clinical/Translational

Publications:


Karslioglu E, Kleinberger J, Salim F, Cox A, Takane KK, Donald K. Scott DK, Stewart AF. cMyc is the principal upstream driver of beta cell proliferation in rat insulinoma cell lines and is an effective mediator of human beta cell replication. Mol Endocrinology 2011;25:1760-72.

Annemarie Stroustrup,
M.D., M.P.H.
Assistant Professor of Pediatrics (Newborn Medicine) and Preventive Medicine

Lab/Location: 1184 5th Avenue, 6th floor
Email: annemarie.stroustrup@mssm.edu

Research Interests: Dr. Stroustrup’s research is focused on better understanding modifiable causes of adverse outcomes in preterm and/or low birth weight neonates. Her current research effort is divided between epidemiologic studies of late preterm and term neonates with respiratory disease and explorations of potentially toxic hospital-based chemical exposures.

Type of Research: Clinical/Translational

Publications:


Shanna H. Swan, M.S., Ph.D.
Professor and Vice Chair for Research and Mentoring, Department of Preventive Medicine

Lab/Location: CAM 3 West
Email: shanna.swan@mssm.edu

Research Interests: Dr. Swan studies the impact of environmental exposures on reproductive health and prenatal growth and development. She has been examining the reproductive health and development of children in relation to prenatal and early childhood exposure to chemicals commonly found in the environment, including phthalates and bisphenol-A, in two ongoing multi-center pregnancy cohort studies.

Type of Research: Clinical/Translational

Publications:


Yaron Tomer, M.D.
Professor and Chief, Division of Endocrinology, Diabetes and Bone Disease

Lab/Location: Annenberg 18-20
E-mail: yaron.tomer@mssm.edu

Research Interests: Dr. Tomer’s research focuses on the immunogenetic, epigenetic, and environmental mechanisms underlying the development thyroid autoimmunity, and type 1 diabetes. Specific areas of research include: analyzing peptide presentation by MHC II in thyroid autoimmunity and type 1 diabetes and developing novel strategies to block peptide presentation, mapping and analyzing susceptibility genes for autoimmune thyroiditis and diabetes, studies on the role of infection and genetic-epigenetic interactions in the development of autoimmune thyroiditis.

Type of Research: Basic/Translational

Publications:


Alfin G. Vicencio, M.D.
Associate Professor of Pediatrics (Pulmonology) and Chief of the Division of Pulmonology

Lab/Location: 5 East 98th Street, 10th Floor
Email: alfin.vicencio@mssm.edu

Research Interests: Dr. Vicencio is investigating sub-clinical fungal infection as a potential cause of severe, refractory asthma. Together with collaborators, he is studying deficiencies in airway immune factors that could potentially contribute to infection, and is also analyzing fluid collected from the lower airways of children for molecular evidence of infection.

Type of Research: Clinical/Translational

Publications:


Martin J. Walsh, Ph.D.
Associate Professor of Pediatrics (Gastroenterology) and Structural and Chemical Biology

Lab/Location: Annenberg 14-30A
Email: martin.walsh@mssm.edu

Research Interests: Dr. Walsh's area of interest is in chromatin biology of human disease and development. The focus of the laboratory is to investigate the transcriptional regulatory networks that are associated cancer and cystic fibrosis.

Type of Research: Clinical/Translational

Publications:


**Virginia Walther, M.S.W., L.C.S.W.**
Associate Director of Social Work for Women’s and Children’s Health

**Lab/Location:** 1184 Fifth Avenue, 6th Floor

**Email:** virginia.walther@mountsinai.org

**Research Interests:** Ms. Walther is a social worker whose research interests are related to the role high risk psychosocial factors play in adherence to care in chronically ill populations of children and their families and the roles social workers can play in mitigating the impacts of illness in families. She is also interested in transition of care for adolescents with chronic illnesses who are aging into adulthood as well as utilization of pediatric palliative care programs. Other research interests are concerned with family violence and its treatment.

**Type of Research:** Clinical/Translational

**Publications:**


**Julie Wang, M.D.**
Assistant Professor of Pediatrics (Allergy and Immunology)

**Lab/Location:** Annenberg 17
**Email:** julie.wang@mssm.edu

**Research Interests:** Dr. Wang’s research interests include Chinese herbal medicine for the treatment of food allergy, diagnostic issues in food allergy, and food allergy in the inner city.

**Type of Research:** Clinical/Translational

**Publications:**


Research Interests: Dr. Wistinghausen is interested in the prevention and treatment of post-transplant lymphoproliferative disease (PTLD) in children who have received a solid organ transplant and in the role EBV virus plays in causing this disease. She is also working on defining the biology of and optimal treatment for B-lymphoblastic lymphoma. Lastly, she is interested in outcomes of survivors of childhood cancer.

Type of Research: Clinical/Translational

Publications:


Rosalind J. Wright, M.D., M.P.H.
Professor of Pediatrics (Pulmonology) and Preventive Medicine
Vice-Chair, Clinical & Translational Research, Department of Pediatrics

Lab/Location:
5 E. 98th Street, 10th Floor

Email: rosalind.wright@mssm.edu

Research Interests: Dr. Wright has a primary interest in early life (prenatal and early childhood) predictors of developmental diseases including asthma, obesity, neurobehavioral development, and lung growth and development. A particular focus has been on population-based studies considering the role of both social (e.g., psychosocial stress) and physical (e.g., air pollution, allergens) environmental factors in explaining health disparities among urban, ethnic minority populations.

Type of Research: Clinical/Translational

Publications:


Yong Zhao, Ph.D. M.D.
Assistant Professor of Genetics and Genomic Sciences, Child Health and Development Institute

Lab/Location: Atran 3-02
Email: yong.zhao@mssm.edu

Research Interests: Dr. Zhao is interested in how genetic and epigenetic programs regulate cardiac development. Using mouse genetics, ES cells differentiation in vitro, and other cutting edge technologies, his lab is beginning to understand the roles of transcription factors and epigenetic regulators in regulating heart development and in pathogenesis. It is anticipated that his studies will improve the treatment of human heart disease.

Type of Research: Basic/Translational

Publications:


Zhao Y, Meng XM, Wei YJ, Zhao XW, Liu DQ, Cao HQ, Liew CC, Ding JF. Cloning and characterization of a novel cardiac-specific kinase that interacts specifically with cardiac troponin I. J Mol Med 2003; 81:297–304.

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