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Introduction

Commitment to excellence in research, education, and patient care form the foundation that makes Mount Sinai School of Medicine one of the world’s foremost centers for medical and scientific training. The Graduate School of Biological Sciences trains students to conduct basic science research of the highest caliber. It also equips students with the skills necessary to elucidate the underlying mechanisms that cause disease and discover the knowledge necessary to develop new life-saving treatments. To prepare students for this new era in research, the Graduate School offers each student a wealth of options for developing a rigorous program in scientific research to meet his/her individual goals.

A graduate student’s mentor plays a very important role in this process. This book was developed to guide in the process of selecting a mentor by bringing together research descriptions of each member of the graduate faculty. The book also provides an introduction to the Multidisciplinary Training Areas (MTAs) that serve as the “programs” for the Graduate School.

New students will find this book particularly helpful in developing initial ideas for laboratory rotations. Current students, post-doctoral fellows, faculty, and house staff will hopefully find the compendium useful as a means of identifying laboratories with shared interests. Prospective M.D./Ph.D. and Ph.D. students are encouraged to use this book to explore the diversity of research opportunities available to students at Mount Sinai School of Medicine.

We encourage you to contact individual faculty members (contact information is provided) to learn more about their research projects. You may also contact the Graduate School Office for additional information.

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Mount Sinai School of Medicine

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The Multidisciplinary Training Areas (MTA)

Cancer Biology (CAB)
Program Directors: James J. Manfredi, PhD and Matthew O’Connell, PhD
Steering Committee: Stuart Aaronson, MD, Robert Krauss, Ph.D., Ihor Lemischka, Ph.D., Anel Aggarwal, Ph.D.
This training program combines research in the biology of cancer with a curriculum that challenges trainees to consider how their research may be translated into improvements in the diagnosis and treatment of cancer.

Developmental and Stem Cell Biology (DSCB)
Program Directors: Margaret H. Baron, MD/PhD and Robert Krauss, Ph.D.
Steering Committee: James Bieker, Ph.D., Ross Cagan, Ph.D., Kevin Kelley, Ph.D., Ihor Lemischka, Ph.D., Marek Mlodzik, Ph.D., Hans Snoeck, MD/PhD
This program provides coursework and research training in developmental and stem cell biology. Students will have the opportunity to work with various model organisms and in vitro cell systems to gain technical and intellectual expertise in these areas of research and their application to problems of biomedical importance.

Genetics and Genomic Sciences (GGS)
Program Directors: Martin Walsh, Ph.D. and Peter Warburton, Ph.D.
Steering Committee: George A. Diaz, MD/PhD, Bruce D. Gelb, M.D., John A. Martignetti, MD/PhD, Ed H. Schuchman, Ph.D.; Robert J. Desnick, M.D., Ph.D.
This program offers students the opportunity to conduct research in the areas of genome organization and evolution, mechanisms of gene regulation, informatics and genome analysis, gene discovery and characterization, the molecular pathology of genetic diseases, and gene therapy. All organisms and genetic mechanisms are included.

Immunology (IMM)
Program Directors: Patrícia Cortes, Ph.D. and Adrian Ting, Ph.D.
Steering Committee: Konstantina Alexandropoulos, Ph.D., Julie Blander, Ph.D., Peter Heeger, M.D., Miriam Merad, M.D., Ph.D., Karen Zier, Ph.D.
Student Representatives: Andrew Chow, William van der Touw, Priyanka Vijayan-Nair
The goal of this training area is to provide students who are interested in immunology with a rigorous and flexible program. Students will be given the individual intellectual and technical skills required to become outstanding scientists in the field of immunology.

Microbiology (MIC)
Program Directors: Benjamin tenOever, Ph.D. and Ana Fernandez-Sesma, Ph.D.,
Steering Committee: Ana Fernandez-Sesma, Ph.D., Peter Palese, Ph.D.
This program provides research training in areas such as antivirals, autoimmune disease, gene therapy, immunology, molecular virology, oncogenesis (cellular/viral), nucleic acid technology, signal transduction and vaccine development.
Neuroscience (NEU)
Program Directors: Stephen R.J. Salton, MD/PhD, and George W. Huntley, Ph.D.
Steering Committee: Cristina M. Alberini, Ph.D.; Deanna L. Benson, Ph.D.; Ehud Kaplan, Ph.D.; Klaudiusz Weiss, Ph.D.
The doctoral program in the Neurosciences provides students with advanced training in Systems and Organizational Neuroscience, Molecular and Cellular Neurobiology, and Cognitive and Behavioral Neuroscience. Individual neurons and the molecules they synthesize are studied, circuits connecting groups of neurons and regions of the nervous system are examined, and the function of the nervous system in the organism as a whole is investigated, both in the classroom and in the laboratory.

Pharmacology and Systems Biology (PSB)
Program Directors: Francesco Ramirez, Ph.D and Eric Sobie, Ph.D.
This program will train students in integrated approaches to a systems level of understanding the physiology and pathophysiology of human diseases and how key molecules and pathways can be targeted for therapeutic purposes.

Structural-Chemical Biology and Molecular Design (SMD)
Program Directors: Robert Fisher, MD/PhD and Roberto Sanchez, Ph.D.
Steering Committee: Marianna Max, Ph.D., Mihaly Mezei, Ph.D.
This program aims to provide an educational environment in which students receive training in structural and chemical biology with an eye towards the discovery and design of new compounds with the capacity to modulate the function of selected biological systems, e.g., the output of a signaling pathway or the cell-fate decision between survival and death.
Faculty Affiliation with MTAs

Entering students are urged to use this listing as a preliminary source of information. Advisory committees provide more individualized and up-to-date guidance in choosing a research mentor. In general, students will choose a research mentor who has a formal relationship with the MTA that will become the student's MTA. In less frequent instances, a student and mentor pair may request that a different MTA, with which the mentor is not formally affiliated, allow the student to matriculate within that MTA. In these cases, approval is required from the Steering Committee of the MTA in question. The decision is based on the appropriateness of the project and training laboratory to the goals of the MTA, and an assessment of the overall training experience that the student will receive under the proposed arrangement.

The Basic Science Research Faculty listing is now available online: http://fusion.mssm.edu/training/research.cfm
Basic Science Research Faculty

Stuart Aaronson, MD; B.S., University of California, Berkeley
Professor and Chair, Department of Oncological Sciences
Training Area(s): CAB, DSCB
One Gustave L. Levy Place, Box 1130 New York, NY 10029
Location(s) -- Office: Icahn Medical Institute 15-70 -- Lab: East Building 15-52
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Email: Stuart.Aaronson@mssm.edu
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Topics: Aging, Cancer, Growth Factors and Receptors, Oncogenes, Signal Transduction

Aneel Aggarwal, PhD; University of London
Professor, Department of Structural and Chemical Biology
Training Area(s): SMD, GGS, CAB
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Location(s) -- Office: 16-20C -- Lab: East 16-23
Phone(s) -- Office: (212) 659-8650
Email: Aneel.Aggarwal@mssm.edu
Web Page: [http://www.mountsinai.org/Find%20A%20Faculty/profile.do?id=0000072500001497255792&officeDrawer=biz](http://www.mountsinai.org/Find%20A%20Faculty/profile.do?id=0000072500001497255792&officeDrawer=biz)
Topics: DNA Repair, DNA Replication, Structural Biology, Transcription Factors, Translation

Julio A Aguirre-Ghiso, PhD; Postdoctoral Training, Mount Sinai School of Medicine, NY
Associate Professor, Department of Medicine (Hematology and Medical Oncology)
Training Area(s): CAB
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Location(s) -- Office: Annenberg Building Floor Room 24-100D -- Lab: 24-90 and 10-36
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Fax: 212-996-5787
Email: julio.aguirre-ghiso@mssm.edu
Web Page: [http://www.mountsinai.org/Find%20A%20Faculty/profile.do?id=0000072500004566813101&officeDrawer=biz](http://www.mountsinai.org/Find%20A%20Faculty/profile.do?id=0000072500004566813101&officeDrawer=biz)
Topics: Cancer, Cell Adhesion, Cell Biology, Cell Division, Cell Motility, Cell Transformation, Drug Resistance, Extracellular Matrix, Gene Expressions, Gene Regulation, Integrins, Metastasis, Morphogenesis, Oncogenes, Oxidative Stress, Signal Transduction, Stem Cells, Tumorigenesis
Fadi G. Akar, PhD; Johns Hopkins University School of Medicine
Assistant Professor, Department of Medicine (Oncology)

Training Area(s): PSB
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Topics: Cardiovascular, Electrophysiology, Gap Junctions, Mathematical and Computational Biology

Cristina M. Alberini, PhD; University of Genoa
Professor, Department of Neuroscience

Training Area(s): NEU
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Topics: Addiction, Brain, cAMP, Gene Expressions, Memory, Neurobiology, Protein Translation, Synapses, Synaptic Plasticity, Transcription Factors

Konstantina Alexandropoulos, PhD; City University of New York, Massachusetts Institute of Technology
Associate Professor, Department of Medicine (Clinical Immunology)

Training Area(s): IMM
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Web Page: http://www.mountsinai.org/Find%20A%20Faculty/profile.do?id=000007250000577773501&officeDrawer=biz

Topics: Autoimmunity, Cell Adhesion, Cell Motility, Chemokines, Chemotaxis, Epithelial Cells, Immunological Tolerance, Immunology, Inflammation, Integrins, Lipid Signaling, Migration, Protein Kinases, Signal Transduction, T Cells, Tolerance, Trafficking, Transplantation

Meena B. Bansal, MD; Cornell University Medical College
Assistant Professor, Department of Medicine (Liver Diseases)

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Email: meena.bansal@mssm.edu
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Topics: AIDS/HIV, Cell Biology, Chemokines, Fibrosis, Hepatitis C Virus, Knockout Mice, Molecular Biology, Regeneration, Transcription Factors, Transcriptional Activation and Repression, Viruses and Virology
Margaret H. Baron, MD/PhD; Massachusetts Institute of Technology and Harvard Medical School (HST Program)

Professor, Department of Medicine (Hematology and Medical Oncology)

Training Area(s): DSCB, CAB
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Phone(s) -- Office: (212) 241-0825 -- Lab: (212) 659-9690(4)
Email: Margaret.Baron@mssm.edu
Web Page: http://www.mountsinai.org/Find%20AFaculty/profile.do?id=0000072500001497162122&officeDrawer=biz

Topics: Bioinformatics, Cancer, Cardiovascular, Cellular Differentiation, Cytokines, Developmental Biology, Embryology, Endothelial Cells, Gene Regulation, Gene Therapy, Genetics, Growth Factors and Receptors, Hematopoiesis, Image Analysis, Imaging, Knockout Mice, Microarray, Migration, Morphogenesis, Nucleus, Organogenesis, Protein Complexes, Protein Structure/Function, Regeneration, Signal Transduction, Stem Cells, Transcription Factors, Transcriptional Activation and Repression, Transgenic Mice, Transplantation, Vascular Development

Christopher F. Basler, PhD; Albert Einstein College of Medicine

Associate Professor, Department of Microbiology

Training Area(s): IMM, MIC
One Gustave L. Levy Place, Box 1124 New York, NY 10029
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Email: Chris.Basler@mssm.edu
Web Page: http://www.mountsinai.org/Find%20AFaculty/profile.do?id=0000072500001497208292&officeDrawer=biz

Topics: Biodefense, Cytokines, Dendritic Cells, Ebola Virus, Infectious Disease, Influenza Virus, Interferon, Interferon Antagonists, Interferon Resistance, Nipah Virus, Viruses and Virology

Mark Baxter, PhD

Associate Professor, Department of Neuroscience

Training Area(s): NEU
Email: mark.baxter@mssm.edu
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Professor, Department of Neuroscience

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Topics: Axon Guidance, Brain, Cell Adhesion, Cell Motility, Cellular Differentiation, Cytoskeleton, Developmental Biology, GABA, Growth, Growth Cone, Imaging, Membranes, Microtubules, Morphogenesis, Neuro-degeneration/protection, Neurotoxicology, Neurotransmitters, Phosphorylation, Protein Trafficking & Sorting, Synapses
M. Cecilia Berin, PhD; McMaster University, Canada
Assistant Professor, Department of Pediatrics
Training Area(s): IMM
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Topics: Allergy, Antigen Presentation, Cellular Immunity, Chemokines, Cytokines, Dendritic Cells, Epithelial Cells, Immunology, Inflammation, Knockout Mice, Mucosal Immunology, T Cells

Audrey Bernstein, PhD; University of Kentucky Medical Center
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Topics: Cellular Differentiation, Extracellular Matrix, Integrins, Proteases, Wound Healing

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Topic: Cancer, Cell Biology, Cell Cycle, Cellular Differentiation, Chromatin, Developmental Biology, Epigenetics, Gene Expressions, Gene Regulation, Hematopoiesis, Leukemia, Mitosis, Molecular Biology, Nucleus, Protein Kinases, RNA, Stem Cells, Transcription Factors, Tumor Suppressor Genes

James J. Bieker, PhD; Northwestern University
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Training Area(s): CAB, DSCB, GGS
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Topics: Cellular Differentiation, Chromatin, Developmental Biology, Gene Regulation, Hematopoiesis, Protein Complexes, Protein, Structure/Function, Stem Cells, Transcription Factors, Transcriptional Activation and Repression
David Bishop, PhD; Michigan State University

Professor, Department of Genetics and Genomic Sciences

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Topics: Antigen Presentation, Apoptosis/Cell Death, Autoimmunity, Cell Biology, Cellular Differentiation, Cellular Immunity, Dendritic Cells, Gene Discovery, Immunological Tolerance, Immunology, Infectious Disease, Knockout Mice, Lymphocytes, Lysosomes/endosome, Macrophage, Microarray, Signal Transduction, T Cells, Tolerance, Transgenic Mice, Vaccine Development

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Topics: Brain, Electrophysiology, Memory, Protein Translation, RNA Transport & Localization, Signal Transduction, Synapses, Synaptic Plasticity
Paolo Boffetta, MD, MPH; McMaster University, Canada

Director, Disease Prevention and Public Health Institute
Senior Faculty, Department of Medicine (Hematology and Medical Oncology)

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Director, Charles R. Bronfman Institute for Personalized Medicine
Professor, Department of Medicine (Nephrology)

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Topics: Apoptosis/Cell Death, Bioinformatics, Cell Biology, Diabetes, Fibrosis, Genomics, Growth Factors & Receptors, Kidney, Knockout Mice, Signal Transduction

Andrea D. Branch, PhD; The Rockefeller University

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Topics: Antivirals, Bioinformatics, Cancer, Gene Regulation, Hepatitis Virus, Interferon Resistance, Liver, RNA, Viruses and Virology

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Topics: Behavior, Central Pattern Generator, Electrophysiology, Membranes, Motor Control., Motor Neuron, Muscle Cells, Neural Code, Neural Networks, Neurmodulation, Neuromuscular System, Signal Transduction, Synapses, Theoretical Science
Brian D. Brown, PhD; Queen's University
Assistant Professor, Department of Genetics and Genomic Sciences
Training Area(s): GGS
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Topics: Antigen Presentation, Autoimmunity, Cell Biology, Cellular Immunity, Dendritic Cells, Diabetes, Gene Discovery, Gene Expressions, Gene Regulation, Gene Therapy, Immunological Tolerance, Immunology, Infectious Disease, Inflammation, Macrophage, Molecular Biology, Retrovirus, RNA, RNA Splicing & Processing, T Cells, Tolerance, Transcriptional Activation and Repression

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Topics: Adipose; Brain; Diabetes; Hormones; Inflammation; Knockout Mice; Liver; Mass Spectrometry; Mitochondria; Obesity

Steven Burakoff, MD; Albany Medical College
Director, Tisch Cancer Institute
Professor, Department of Oncological Sciences
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Topics: T Cells, Cancer, Epithelial Cells
Joseph D. Buxbaum, MSc, PhD; Weizmann Institute of Science

Professor, Department of Psychiatry

Training Area(s): GGS, NEU
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Topics: Alzheimer’s Disease, Autism, Behavior, Demyelination, Gene Regulation, Genetics, Genomics, Human Genetics and Genetic Disorders, Knockout Mice, Metastasis, Microarray, Molecular Biology, Myelination, Neurobiology, Protein Structure/Function, Schizophrenia, Signal Transduction, Transgenic Mice

Ross L. Cagan, PhD; Princeton University

Associate Dean, The Graduate School of Biological Sciences
Professor, Department of Developmental and Regenerative Biology

Training Area(s): CAB, DSCB, GGS, NEU
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Web Page: http://www.mountsinai.org/Find%20A%20Faculty/profile.do?id=0000072500003465305051&officeDrawer=biz

Topics: Cancer Genetics, Developmental Biology, Diabetes

Chenleng Cai, PhD; 1998, Ph.D. Wuhan University 2003

Assistant Professor, Department of Developmental and Regenerative Biology

Training Area(s): DSCB
One Gustave L. Levy Place, Box 1040 New York, NY 10029
Location(s) -- Office: Atran Berg Laboratory Building Floor 3rd Floor Room 08 -- Lab: Atran 3-02
Phone(s) -- Office: 212-241-8340 -- Lab: 212-241-3573
Email: chenleng.cai@mssm.edu
Web Page: http://www.mountsinai.org/Find%20A%20Faculty/profile.do?id=0000072500001530259792&officeDrawer=biz

Topics: Cardiovascular, Developmental Biology, Embryology, Stem Cells

Patrizia Casaccia-Bonnefil, MD/PhD; MD Rome, Italy Policlinico Gemelli PhD SUNY, HSCB, NY

Professor, Department of Genetics and Genomic Sciences

Training Area(s): NEU, GGS, SMD
One Gustave L. Levy Place, Box New York, NY 10029
Location(s) -- Office: Icahn 10-70F
Phone(s) -- Office: 212-659-5988 -- Lab: 212-659-5989
Email: patrizia.casaccia@mssm.edu
Web Page: http://www.mountsinai.org/Find%20A%20Faculty/profile.do?id=0000072500001530259792&officeDrawer=biz

Topics: Aging, Axonal Growth and Degeneration, Cell Biology, Cell Cycle, Cellular Differentiation, Chromatin, Demyelination, Developmental Neurobiology, Epigenetics, Gene Regulation, Molecular Biology, Multiple Sclerosis, Myelination, Neurobiology, Neurodegeneration/protection

15
Arthur Cederbaum, PhD; Rutgers University

Professor, Department of Pharmacology and Systems Therapeutics

Training Area(s): PSB
One Gustave L. Levy Place, Box 1603 New York, NY 10029
Location(s) -- Lab: Annenberg 19-10,19-14, 19-20
Phone(s) -- Office: (212) 241-9352 -- Lab: (212) 241-7285
Email: Arthur.Cederbaum@mssm.edu
Web Page: http://www.mountsinai.org/Find%20Faculty/profile.do?id=00000725000149724892&officeDrawer=biz

Topics: Apoptosis/Cell Death, Cytokines, Enzymology, Glutathione, Heme Proteins, Liver, Macrophage, Mitochondria, Oxidative Stress, Protein Degradation

Andrea Cerutti; MD, Padua University School of Medicine

Professor, Department of Medicine (Clinical Immunology)

Training Area(s): IMM
Box 1089
Location(s) -- Office: East Bldg 11-70B -- Lab: East Bldg 11-52
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Email: andrea.cerutti@mssm.edu
Web Page: http://www.mountsinai.org/profiles/andrea-cerutti

Topics: B cells, Immunoglobulin genes, Lymphocytes, Mucosal Immunology

Benjamin Chen, MD/PhD; Cornell University Medical College, MD Rockefeller University, PhD

Associate Professor, Department of Medicine (Infectious Diseases)

Training Area(s): IMM, MIC
One Gustave L. Levy Place, Box 1630 New York, NY 10029
Location(s) -- Office: Icahn Building, 12-20E -- Lab: Icahn Building, 12-02
Phone(s) -- Office: 212-659-9408 -- Lab: 212-659-9275
Fax: 212-849-2525
Email: Ben.Chen@mssm.edu
Web Page: http://www.mountsinai.org/Find%20Faculty/profile.do?id=000007250001497151602&officeDrawer=biz

Topics: AIDS/HIV, Antivirals, Cell adhesion, Cell Motility, Cytoskeleton, Imaging, Image Analysis, Infectious Disease, Lymphocytes, Pysosomes/endosome, Macrophage, Molecular Biology, Retrovirus, RNA Transport & Localization, Synapses, T Cells, Trafficking, Vaccine Development, Viruses and Virology
Shu-Hsia Chen, PhD; National Yang Ming Medical University

Professor, Department of Oncological Sciences

Training Area(s): CAB, DSCB, IMM, MIC
One Gustave L. Levy Place, Box 1496 New York, NY 10029
Location(s) -- Office: Ichan Research Institute Room 13-02B -- Lab: Ichan Research Institute Rm. 13-02
Phone(s) -- Office: (212) 659-8256 -- Lab: (212) 659-8254
Email: Shu-Hsia.Chen@mssm.edu
Web Page: http://www.mountsinai.org/Find%20A%20Faculty/profile.do?id=0000072500001497292432&officeDrawer=biz

Topics: Antigen Presentation, Anti-Tumor Therapy, Autoimmunity, Cancer, Dendritic Cells, Gene Therapy, Hematopoiesis, Immune Antagonism, Immunological Tolerance, Immunology, Lymphoma, Microarray, Stem Cells, T Cells, Tolerance, Transplantation, Tumorigenesis

Andrew Chess, MD;

Professor, Department of Neuroscience

Training Area(s): CAB, DSCB, GGS, IMM, MIC, NEU, PSB
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Location(s) -- Office: Annenberg Bldg. 21-44 / 46
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Web Page: http://www.mssm.edu/profiles/andrew-chess

Jerry Chipuk; PhD, Case Western Reserve University (Pharmacology)

Assistant Professor, Department of Oncological Sciences

Training Area(s): CAB
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Location(s) -- Office: Icahn 15-20E -- Lab: Icahn 15-02
Phone(s) -- Office: 212-659-5543 – Lab: 212-659-5553
Email: jerry.chipuk@mssm.edu
Web Page: http://www.mssm.edu/profiles/jerry-chipuk

Topics: Apoptosis/Cell Death, Cell Biology, Cancer, Mitochondria
Bernard Cohen, MD; New York University School of Medicine

Professor, Department of Neurology

Training Area(s): NEU
One Gustave L. Levy Place, Box 1135 New York, NY 10029
Location(s) -- Office: Annenberg 21-74 -- Lab: Annenberg 21-74 (Animal), Atran 105 (Human)
Phone(s) -- Office: (212) 241 7068
Fax: (212) 831 1610
Email: Bernard.Cohen@mssm.edu
Web Page: [http://www.mountsinai.org/Find%20A%20Faculty/profile.do?id=0000072500001497238122&officeDrawer=biz](http://www.mountsinai.org/Find%20A%20Faculty/profile.do?id=0000072500001497238122&officeDrawer=biz)

Topics: Anatomy, Behavior, Biomechanics/Bioengineering, Central Pattern Generator, Cerebellum, Comparative Anatomy, Computational Neuroscience, Computer Simulation, Electrophysiology, Extracellular Unit Recording, Eye Movements, GABA, Inner Ear, Locomotion, Mathematical Modeling of Biomedical Systems, Microgravity, Motor Control, Neural Code, Neural Networks, Neuromuscular System, Neurophysiology, Postural Control, Space Flight, Structural Biology, Theoretical Neuroscience, Vestibular, Vision

Patricia Cortes, PhD; UMDNJ Robert Wood Johnson Medical School

Associate Professor, Department of Medicine (Clinical Immunology)

Training Area(s): IMM, CAB
One Gustave L. Levy Place, Box 1630 New York, NY 10029
Location(s) -- Office: East 12-23B -- Lab: East 12-26
Phone(s) -- Office: (212) 659-9413
Email: Patricia.Cortes@mssm.edu
Web Page: [http://www.mountsinai.org/Find%20A%20Faculty/profile.do?id=0000072500001497122822&officeDrawer=biz](http://www.mountsinai.org/Find%20A%20Faculty/profile.do?id=0000072500001497122822&officeDrawer=biz)

Topics: B Cells, Chromatin, DNA Repair, Immune Deficiency, Immunology, Leukemia, Lymphoma, Molecular Biology, T Cells, V(D)J recombination

Kevin D. Costa, PhD; University of California

Associate Professor, Department of Medicine (Cardiology)

Training Area(s): DSCB, PSB
One Gustave L. Levy Place, New York, NY 10029
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Web Page: [http://www.mssm.edu/profiles/kevin-costa](http://www.mssm.edu/profiles/kevin-costa)

Topics: Biomechanics/Bioengineering, Cardiovascular, Cellular Differentiation, Computer Simulation, Cytoskeleton, Mathematical Modeling of Biomedical Systems, Muscle Cells, Regeneration, Stem Cells, Tissue Engineering, Wound Healing
Elizabeth C. Cropper, PhD; Mount Sinai School of Medicine
Associate Professor, Department of Neuroscience

Training Area(s): NEU
One Gustave L. Levy Place, Box 1065 New York, NY 10029
Location(s) -- Office: Annenberg 21-96 -- Lab: Annenberg 21-96
Phone(s) -- Office: (212) 241-0212
Email: Elizabeth.Cropper@gmail.com
Web Page: 
http://www.mountsinai.org/Find%20A%20Faculty/profile.do?id=0000072500001497266862&officeDrawer=biz

Topics: Aplysia, Behavior, Brain, Electrophysiology, Imaging, Motor Control, Motor Neuron, Neural Networks, Neurobiology, Neuromodulation, Neurophysiology, Neuroscience, Neurotransmitters, Synapses, Synaptic Plasticity, Systems Neuroscience

Charlotte Cunningham-Rundles, MD/PhD; New York University
Professor, Department of Medicine

Training Area(s): IMM
One Gustave L. Levy Place, Box 1089 New York, NY 10029
Location(s) -- Office: Icahn Bldg. 11-20 -- Lab: 1120 East Building
Phone(s) -- Office: (212) 659 9268
Email: Charlotte.Cunningham-Rundles@mssm.edu
Web Page: 
http://www.mountsinai.org/Find%20A%20Faculty/profile.do?id=0000072500001497250852&officeDrawer=biz

Topics: Allergy, Apoptosis/Cell Death, Autoimmunity, B Cells, Biodefense, Cellular Differentiation, Dendritic Cells, Immunology, Mucosal Immunology

Simon Daefler, MD/PhD; University of Cologne, Germany
Assistant Professor, Department of Medicine (Infectious Diseases)

Training Area(s): MIC, SMD
One Gustave L. Levy Place, Box 1090 New York, NY 10029
Location(s) -- Office: Annenberg 23-09 -- Lab: Annenberg 23-10
Phone(s) -- Office: (212) 241-4690 -- Lab: (212) 241-3850
Email: Simon.Daefler@mssm.edu
Web Page: 
http://www.mountsinai.org/Find%20A%20Faculty/profile.do?id=0000072500001497256222&officeDrawer=biz

Topics: Bacterial Genetics, Biodefense, Cell Biology, Infectious Disease, Mathematical and Computational Biology, Theoretical Biology, Trafficking

Terry Davies, MD; University of Newcastle-upon-Tyne
Professor, Department of Medicine (Endocrinology, Diabetes & Bone Disease)

Training Area(s): PSB
One Gustave L. Levy Place, Box 1055 New York, NY 10029
Location(s) -- Office: Atran 4-37 -- Lab: VAMC Research Building 2F-28
Phone(s) -- Office: (212) 241-7429 -- Lab: (212) 241-3850
Fax: (212) 428-6748
Email: Terry.Davies@mssm.edu
Web Page: 
http://www.mountsinai.org/Find%20A%20Faculty/profile.do?id=0000072500001497133512&officeDrawer=biz

Topics: Autoimmunity, Genetics, Immunology, Knockout Mice, Stem Cells, T Cells, Thyroid
Robert Desnick, MD, Univ of Minnesota-Med Sch. Minneapolis

Dean, Department of Genetics and Genomic Sciences
Professor & Chair, Department of Genetics and Genomic Sciences

Training Area(s): GGS
One Gustave L. Levy Place, Box 1498 New York, NY 10029
Location(s) -- Lab: Icahn Medical Institute 14-34
Phone(s) -- Office: (212) 659-6700
Fax: (212) 360-1809
Email: Robert.Desnick@mssm.edu
Web Page:
http://www.mountsinai.org/Find%20A%20Faculty/profile.do?id=0000072500001497122552&officeDrawer=biz

Topics: Enzymology, Gene Discovery, Genetics, Genomics, Human Genetics and Genetic Disorders, Lysosomal Storage Diseases, Lysosomes/endosomes, Protein Complexes, Protein Degradation, Protein Folding, Protein Structure/Function, Proteomics, Stem Cells

Lakshmi Devi, PhD; University of Windsor, Ontario, Canada

Professor, Department of Pharmacology and Systems Therapeutics

Training Area(s): SMD, PSB, NEU
One Gustave L. Levy Place, Box 1603 New York, NY 10029
Location(s) -- Office: Annenberg 19-84 -- Lab: Annenberg 19-86, 19-90
Phone(s) -- Office: (212) 241-8345 -- Lab: (212) 241-6545
Email: Lakshmi.Devi@mssm.edu
Web Page:
http://www.mountsinai.org/Find%20A%20Faculty/profile.do?id=0000072500001497251922&officeDrawer=biz

Topics: Addiction, Enzymology, Hormones, Neural Networks, Neuropeptides, Opioid/Cannabinoid Receptors, Post-Transcriptional Processing, Protein Trafficking & Sorting, Proteomics

George Diaz, MD; SUNY Downstate Medical Center

Associate Professor, Department of Genetics and Genomic Sciences

Training Area(s): GGS, IMM
One Gustave L. Levy Place, Box 1498 New York, NY 10029
Location(s) -- Office: East Bldg. 14-75B -- Lab: Atran Berg Laboratory 3-27
Phone(s) -- Office: (212) 659-6790 -- Lab: (212) 659-6725
Email: George.Diaz@mssm.edu
Web Page:
http://www.mountsinai.org/Find%20A%20Faculty/profile.do?id=0000072500001497165042&officeDrawer=biz

Topics: Chemokines, Chemotaxis, Genetics, Genomics, Human Genetics and Genetic Disorders, Immunology, Microtubules, Signal Transduction, Virulence Genes

20
Michelle Ehrlich, MD; Cornell University Medical College
Professor, Department of Neurology
One Gustave L. Levy Place, Box New York, NY 10029
Location(s) -- Office: 1468 Madison Avenue, NY, NY 10029
Phone(s)
Email: michelle.ehrlich@mssm.edu
Web Page: http://www.mountsinai.org/Find%20A%20Faculty/profile.do?id=0000072500003759731171

Gregory Elder, MD; Loyola University of Chicago
Research Professor, Department of Psychiatry
Training Area(s): NEU
One Gustave L. Levy Place, Box 1230 New York, NY 10029
Location(s) -- Lab: Bronx VA Medical Center
Phone(s) -- Office: (718) 584-9000 X1838
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Web Page: http://www.mountsinai.org/Find%20A%20Faculty/profile.do?id=0000072500001497306582&officeDrawer=biz
Topics: Aging, Alzheimer’s Disease, Brain, Endothelial Cells, Neuro-degeneration/protection

Graham Ellis-Davies, B.Sc and Ph.D., University of Reading UK
Professor, Department of Neuroscience
Training Area(s): NEU, SMD
Location(s) – Annenberg Bldg 22-25
Phone(s) --
Email: Gregory.Elder@mssm.edu
Web Page: http://www.mssm.edu/profiles/graham-null-ellis-davies
Topics: Alzheimer’s Disease, Biophotonics, Brain Imaging, Imaging, Synaptic Plasticity

Matthew Evans, PhD; Columbia University, NY
Assistant Professor, Department of Microbiology
Training Area(s): MIC
One Gustave L. Levy Place, Box 1124 New York, NY 10029
Location(s) -- Office: Annenberg Building Room 16-64a -- Lab: Annenberg Building Room 16-64
Phone(s) -- Office: 212-241-5576 -- Lab: 212-241-7319
Fax: 212-534-1684
Email: matthew.evans@mssm.edu
Web Page: http://www.mountsinai.org/Find%20A%20Faculty/profile.do?id=0000072500005401232021&officeDrawer=biz
Topics: Cell Adhesion, Cell Biology, Gab Junctions, Glycobiology, Hepatitis C Virus, Imaging, Infectious Disease, Intracellular Transport, Liver, Lysosomes/endosome, Membrane Proteins/Channels, Membranes, Protein Complexes, Protein Trafficking & Sorting, Retrovirus, Virulence and Genes, Viruses and Virology
Elena Ezhkova, PhD; CUNY Graduate Center
Assistant Professor, Department of Developmental and Regenerative Biology
Training Area(s): DSCB
Atran Building
Location(s) -- Office: Atran AB-10B – Lab: Atran AB7-02
Phone(s) -- Office: (212) 241-7184 -- Lab: (212) 241-7309
Email: elena.ezhkova@mssm.edu
Web Page: http://www.mssm.edu/profiles/elena-ezhkova

Topics: Cellular Differentiation, Stem Cells, Developmental Biology, Epithelial Cells

Zahi Fayad, PhD; University of Pennsylvania
Director, Translational and Molecular Imaging Institute
Professor, Department of Radiology
Training Area(s): SMD
1450 Madison Avenue, New York, NY 10029
Location(s) – Office: Klingenstein Room ANVIL, CB2-20 -- Lab: AB8-826
Phone(s) -- Office: (212) 241-6858
Email: Zahi.Fayad@mssm.edu
Web Page: http://www.mountsinai.org/Find%20A%20Faculty/profile.do?id=0000072500001497240402&officeDrawer=biz

Topics: Atherosclerosis, Cardiovascular, Computer Tomography, Image Analysis, Imaging, Magnetic Resonance Imaging, Nanotechnology

Dan Felsenfeld, PhD; Columbia University
Assistant Professor, Developmental and Regenerative Biology
Training Area(s): NEU, PSB
One Gustave L. Levy Place, Box 1215 New York, NY 10029
Location(s) -- Office: Annenberg 18-87 -- Lab: East Building 10-26
Phone(s) -- Office: (212) 241-4296 -- Lab: (212) 659-1726
Email: Dan.Felsenfeld@mssm.edu
Web Page: http://www.mountsinai.org/Find%20A%20Faculty/profile.do?id=0000072500001497254962&officeDrawer=biz

Topics: Axon Guidance, Biophysics, Cancer, Cell Adhesion, Cell Motility, Cytoskeleton, Developmental Neurobiology, Growth Cone, Migration
Ana Fernandez-Sesma, PhD; PhD, Mount Sinai School of Medicine of the City University of New York
Assistant Professor, Department of Microbiology
Training Area(s): IMM, MIC
One Gustave L. Levy Place, Box 1124 New York, NY 10029
Location(s) -- Office: Annenberg 15-14A -- Lab: Annenberg 15-06
Phone(s) -- Office: (212) 241-5182 -- Lab: (212) 241-0994
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Web Page: http://www.mountsinai.org/Find%20A%20Faculty/profile.do?id=0000072500001497194082&officeDrawer=biz
Topics: AIDS/HIV, Antivirals, Cytokines, Dendritic Cells, Immune Antagonism, Immunology, Infectious Disease, Inflammation, Influenza Virus, Interferon, Interferon Antagonists, Macrophage, Mucosal Immunology, Paramyxovirus, Transcription Factors, Vaccine Development

Marta Filizola, PhD; University of Naples
Associate Professor, Department of Structural and Chemical Biology
Training Area(s): PSB, SMD
One Gustave L. Levy Place, Box 1677 New York, NY 10029
Location(s) -- Office: Icahn Medical Institute, 16-20F -- Lab: Icahn Medical Institute, 15-23
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Email: marta.filizola@mssm.edu
Web Page: http://www.mountsinai.org/Find%20A%20Faculty/profile.do?id=0000072500003572700491&officeDrawer=biz
Topics: Addiction, Behavior, Cytokines, Proteomics, Synaptic Plasticity

Robert Fisher, MD/PhD; Stanford University
Associate Professor, Department of Structural and Chemical Biology
Training Area(s): CAB
Location(s) -- Office: Icahn Medical Institute, 16-20B
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Evan Flatow, MD; Columbia University Col. of Phy. & Surg.
Professor & Chair, Department of Orthopaedics
Training Area(s): CAB, PSB
One Gustave L. Levy Place, Box 1188 New York, NY 10029
Location(s) -- Office: Annenberg 20-40
Phone(s) -- Office: (212) 241-1663 -- Lab: (212) 241-0162
Email: Evan.Flatow@mssm.edu
Web Page: http://www.mountsinai.org/Find%20A%20Faculty/profile.do?id=0000072500003572700491&officeDrawer=biz
Topics: Biomechanics/Bioengineering, Signal Transduction, Tendon Biology

23
Scott Friedman, MD; Mount Sinai School of Medicine; Professor, Department of Medicine (Liver Diseases)

Training Area(s): CAB, GGS, PSB
One Gustave L. Levy Place, Box 1123 New York, NY 10029
Location(s) -- Office: Icahn (East) Bldg, Room 1170C -- Lab: Icahn 11-76
Phone(s) -- Office: (212) 659-9501 -- Lab: X 88366
Email: scott.friedman@mssm.edu
Web Page: http://www.mountsinai.org/Find%20A%20Faculty/profile.do?id=0000072500001497254852&officeDrawer=biz

Topics: Aerodigestive Tract, Apoptosis/Cell Death, Cancer Genetics, Cell Biology, Cell Transformation, Developmental Biology, Epithelial Cells, Extracellular Matrix, Fibrosis, Growth Factors and Receptors, Hepatitis C Virus, Integrins, Knockout Mice, Liver, Macrophage, Metastasis, Molecular Biology, Organogenesis, Oxidative Stress, Phosphorylation

Samuel E. Gandy, MD/PhD; Medical University of South Carolina (Molecular Cell Biology)

Professor, Neurology

Training Area(s): NEU
One Gustave L. Levy Place, Box 1137 New York, NY 10029
Location(s) -- Office: Annenberg 14-60 -- Lab: Annenberg 14-73
Phone(s) -- Office: 212-241-4215 -- Lab: 212-241-4215
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Email: samuel.gandy@mssm.edu
Web Page: http://www.mountsinai.org/Find%20A%20Faculty/profile.do?id=0000072500003639565131&officeDrawer=biz

Topics: Cell Biology, Protein Trafficking & Sorting

Adolfo Garcia-Sastre, PhD; University of Salamanca, Spain

Director, Global Health and Emerging Pathogens Institute
Professor, Department of Microbiology

Training Area(s): GGS, IMM, MIC
One Gustave L. Levy Place, Box 1124 New York, NY 10029
Location(s) -- Office: Annenberg 16-90 -- Lab: Annenberg 16-90
Phone(s) -- Office: (212) 241-7769 -- Lab: (212) 241-6670
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Bruce D. Gelb, MD; University of Rochester

Director, Child Health and Development Institutes
Professor, Department of Pediatrics

Training Area(s): GGS
One Gustave L. Levy Place, Box 1040 New York, NY 10029
Location(s) -- Lab: Atran-Berg Building, 3-02
Phone(s) -- Office: (212) 241-3303
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Email: Bruce.Gelb@mssm.edu
Web Page: http://www.mountsinai.org/Find%A20Faculty/profile.do?id=000007250001497252602&officeDrawer=biz

Topics: Cardiovascular, Gene Discovery, Human Genetics and Genetic Disorders, Signal Transduction, Stem Cells

Doris Germain, PhD; Montreal University

Associate Professor, Department of Medicine (Hematology and Medical Oncology)

Training Area(s): CAB
One Gustave L. Levy Place, Box 1079 New York, NY 10029
Location(s) -- Office: Mt. Sinai Cancer Institute Hematology/Oncology
Phone(s) -- Office: 212-241-9541
Email: doris.germain@mssm.edu
Web Page: http://www.mountsinai.org/Find%A20Faculty/profile.do?id=000007250001497229012&officeDrawer=biz

Topics: Cancer, Cell Cycle, Hormones, Mitochondria, Oncogenes, Protein Degradation, Protein Folding, Receptors

Isabelle M. Germano, MD; University of Turin Medical School

Professor, Department of Neurosurgery

Training Area(s): DSCB
One Gustave L. Levy Place, Box New York, NY 10029
Location(s) -- Office: Annenberg Bldg. 8-86
Phone(s) -- Office: 212-241-9638
Email: isabelle.germano@mountsinai.org
Web Page: http://www.mountsinai.org/Find%A20Faculty/profile.do?id=000007250001497153382&officeDrawer=biz

Topics: Anti-Tumor Therapy, Apoptosis/Cell Death, Autophagy, Brain, Cancer, Cellular Differentiation, Gene Expressions, Gene Therapy, Metastasis, Migration, Molecular Biology, Neuroscience, Seizure, Stem Cells, Translation, Tumor Suppressor Genes, Tumorigenesis
Saghi Ghaffari, MD/PhD; University of Paris (Paris, France) and University of British Columbia (Vancouver, B.C., Canada)

Associate Professor, Department of Developmental and Regenerative Biology

Training Area(s): DSCB, CAB
One Gustave L. Levy Place, Box 1496 New York, NY 10029
Location(s) -- Office: Icahn Building, 13-23b -- Lab: Icahn Building 13-76
Phone(s) -- Office: (212) 659-8271 -- Lab: (212) 659-8266
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Email: Saghi.Ghaffari@mssm.edu
Web Page: http://www.mountsinai.org/Find%20AFaculty/profile.do?id=0000072500001497242502&officeDrawer=biz

Topics: Cancer, Cell Transformation, Cellular Differentiation, Hematopoiesis, Leukemia, Oncogenes, Oxidative Stress, Signal Transduction, Stem Cells, Transcription Factors

Javier Gonzalez-Maeso, PhD; University of the Basque Country

Assistant Professor, Psychiatry and Neurology

Training Area(s): NEU, PSB, SMD
One Gustave L. Levy Place, Box 1229 New York, NY 10029
Location(s) -- Office: Annenberg 22-66 -- Lab: Annenberg 19-220
Phone(s) -- Office: (212) 241-8961 -- Lab: (212) 241-8562
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Email: javier.maeso@mssm.edu

Topics: Brain, Epigenetics, Molecular Biology, Neuroscience, Neurotransmitters, Proteomics, Receptors, Schizophrenia, Signal Transduction, Transgenic Mice

Valerie Gouon-Evans, PhD; University of Paris VII

Assistant Professor, Gene and Cell Medicine

Training Area(s): DSCB
One Gustave L. Levy Place, Box 1496 New York, NY 10029
Location(s) -- Office: Atran 7-10F -- Lab: Atran 7-12
Phone(s) -- Office: (212) 241-4033 -- Lab: (212) 241-8191
Fax: (646) 537-9695
Email: valerie.gouon-evans@mssm.edu
Web Page: http://www.mssm.edu/profiles/valerie-gouon-evans

Topics: Stem Cells, Cellular Differentiation, Liver, Organogenesis, Regeneration, Transplantation, Endothelial Cells, Knockout Mice, Transgenic Mice, Embryology, Developmental Biology, Cell Biology, Gene Discovery

Roger Hajjar, MD; Harvard Medical School

Professor, Department of Medicine (Cardiology)

Training Area(s): GGS
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Web Page: http://www.mountsinai.org/Find%20AFaculty/profile.do?id=0000072500001530262182&officeDrawer=biz
Ming-Hu Han, PhD; Shanghai Instititue of Physiology, Chinese Academy of Sciences
Assistant Professor, Department of Pharmacology and Systems Therapeutics

Training Area(s): PSB
One Gustave L. Levy Place, Box 1215 New York, NY 10029
Location(s) -- Office: EB 12-75B -- Lab: EB 12-73
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Fax: (212) 831-0114
Email: ming-hu.han@mssm.edu
Web Page: http://www.mssm.edu/profiles/ming-hu-han

Topics: Depression, Addiction, Neurophysiology

Basil G. Hanss, PhD; Tulane University
Associate Professor, Department of Medicine (Nephrology)

Training Area(s): PSB, SMD
One Gustave L. Levy Place, Box 1243 New York, NY 10029
Location(s) -- Office: Annenberg 23-345 -- Lab: Annenberg 23-88
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Web Page: http://www.mountsinai.org/Find%20A%20Faculty/profile.do?id=0000072500001497265902&officeDrawer=biz

Topics: Gene Therapy, Intracellular Transport, Kidney, Membrane Proteins/Channels, Protein Complexes, Protein Structure/Function, Transporters

Vahram Haroutunian, PhD; Kent State University
Professor, Department of Psychiatry

Training Area(s): NEU
Bronx VA Medical Center, 130 West Kingsbridge Road, Box 9000, Bronx, NY 10468
Location(s) -- Lab: Bronx VA Medical Center
Phone(s) -- Office: (718) 584-9000 x6082
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Web Page: http://www.mountsinai.org/Find%20A%20Faculty/profile.do?id=0000072500001497175682&officeDrawer=biz

Topics: Alzheimer’s Disease, Glutamate (NMDA & AMPA) Receptors, Myelination, Neurotransmitters, RNA, Schizophrenia

Peter Heeger, MD; University of Pennsylvania
Professor, Department of Medicine (Nephrology)

Training Area(s): IMM
One Gustave L. Levy Place, Box 1243 New York, NY 10029
Location(s) -- Office: Annenberg Building Floor 23 Room 66B -- Lab: Lab Annenberg 21-20
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Email: peter.heeger@mssm.edu
Web Page: http://www.mountsinai.org/Find%20A%20Faculty/profile.do?id=0000072500001508895592&officeDrawer=biz

Topics: Immunology, T Cells, Transplantation
Jeanne Hirsch, PhD; Albert Einstein College of Medicine
Associate Professor, Department of Pharmacology and Systems Therapeutics
Training Area(s): DSCB, GGS, PSB, SMD
One Gustave L. Levy Place, Box 1603 New York, NY 10029
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Email: Jeanne.Hirsch@mssm.edu
Web Page: http://www.mountsinai.org/Find%20A%20Faculty/profile.do?id=0000072500001497152072&officeDrawer=biz
Topics: Aging, cAMP, Fungal Pathogenesis, Genetics, Morphogenesis, Protein Kinases, Protein Phosphatases, Protein Structure/Function, Signal Transduction

Patrick R. Hof, MD; University of Geneva, Switzerland
Professor, Department of Neuroscience
Training Area(s): NEU
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Phone(s) -- Office: (212) 659-5904 -- Lab: (212) 659-5946
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Web Page: http://www.mountsinai.org/Find%20A%20Faculty/profile.do?id=0000072500001497174862&officeDrawer=biz
Topics: Aging, Alzheimer’s Disease, Anatomy, Bioinformatics, Brain, Brain Imaging, Cerbral Cortex, Comparative Anatomy, Demyelination, Glutamate (NMDA & AMPA) Receptors, Hippocampus, Magnetic Resonance Imaging, Memory, Mental Retardation, Morphometrics, Neural Networks, Neuro-degeneration/protection, Prefrontal Cortex, Quantitative Neuroanatomy, Schizophrenia, Synapses

Gay Holstein, PhD; City University of New York
Associate Professor, Department of Neurology
Training Area(s): NEU
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Email: Gay.Holstein@mssm.edu
Web Page: http://www.mountsinai.org/Find%20A%20Faculty/profile.do?id=0000072500001497255912&officeDrawer=biz
Topics: Brain, Cytokines, Immunology, Inflammation, Multiple Sclerosis, Myelination, Neurobiology, Regeneration
George Huntley, PhD; University of California, Irvine

Associate Professor, Department of Neuroscience

Training Area(s): NEU
One Gustave L. Levy Place, Box 1065 New York, NY 10029
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Fax: 212-996-9785
Email: george.huntley@mssm.edu
Web Page: http://www.mountsinai.org/FindFaculty/profile.do?id=0000072500001497290982&officeDrawer=biz

Topics: Axon Guidance, Brain, Cell Adhesion, Cerebral Cortex, Developmental Neurobiology, Memory, Neurophysiology, Neurotransmitters, Regeneration, Spinal Cord, Synapses, Synaptic Plasticity, Synaptogenesis

Yasmin Hurd, PhD; Karolinska Institute, Stockholm, Sweden

Director, MD/PhD Program
Professor, Department of Psychiatry

Training Area(s): GGS, NEU, PSB
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Email: yasmin.hurd@mssm.edu
Web Page: http://www.mountsinai.org/FindFaculty/profile.do?id=0000072500001497124372&officeDrawer=biz

Topics: Addiction, Anatomy, Basal Ganglia, Behavior, Brain, Developmental Biology, Gene Expressions, Gene Regulation, Genetics, Neurobiology, Neuropeptides, Neuroscience, Neurotransmitters, Opioid/Cannabinoid Receptors

James C. Iatridis, PhD; Columbia University

Professor, Department of Orthopaedics

Training Area(s): PSB
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Yiannis Ioannou, PhD; Mount Sinai School of Medicine

Associate Professor, Department of Genetics and Genomic Sciences

Training Area(s): GGS
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Web Page: [http://www.mountsinai.org/Find%20A%20Faculty/profile.do?id=0000072500001497175702&officeDrawer=biz](http://www.mountsinai.org/Find%20A%20Faculty/profile.do?id=0000072500001497175702&officeDrawer=biz)

Topics: Alzheimer’s Disease, Apoptosis/Cell Death, Atherosclerosis, Brain, Cardiovascular, Caveolae, Diabetes, Drug Design and Discovery, Gene Regulation, Genetics, Human Genetics and Genetic Disorders, Intracellular Transport, Lipid Signaling, Lysosomal Storage Diseases, Lysosomes/endosome, Mass Spectrometry, Membrane Proteins/Channels, Membranes, Mental Retardation, Neurodegeneration/protection, Obesity, Protein Complexes, Protein Degradation, Protein Kinases, Protein Phosphatases, Protein Structure/Function, Protein Trafficking & Sorting, Proteomics, RNA, Transporters

Ravi Iyengar, PhD; University of Houston

Professor and Chair, Department of Pharmacology and Systems Therapeutics

Training Area(s): NEU, PSB
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Web Page: [http://www.mountsinai.org/Find%20A%20Faculty/profile.do?id=0000072500001497254602&officeDrawer=biz](http://www.mountsinai.org/Find%20A%20Faculty/profile.do?id=0000072500001497254602&officeDrawer=biz)

Topics: Addiction, Axonal Growth and Degeneration, Bioinformatics, cAMP, Cell Adhesion, Cell Biology, Cell Motility, Cell Transformation, Computational Biology, Computer Simulation, Cytoskeleton, Dendritic Cells, Drug Design and Discovery, Hippocampus, Mathematical and Computational Biology, Mathematical Modeling of Biomedical Systems, Membranes, Memory, Nanotechnology, Phosphorylation, Protein Kinases, Protein Phosphatases, Proteomics, Receptors, Signal Transduction, Synaptic Plasticity, Theoretical Biology, Transcription Factors

Ethylin Wang Jabs, MD; University of Houston

Professor, Department of Genetics and Genomic Sciences

Training Area(s): DSCB, GGS
1428 Madison Avenue
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Topics: Bone Biology, Brain Imaging, Cartilage Biology, Connexins, Cytogenetics, Developmental Biology, Embryology, Gene Discovery, Gene Expressions, Genetics, Genomics, Growth Factors and Receptors, Human Genetics and Genetic Disorders, Molecular Biology, Morphogenesis, Protein Kinases, Transcription Factors, Transgenic Mice
Gareth John, PhD; University of London

Associate Professor, Department of Neurology

Training Area(s): NEU
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Topics: Brain, Cytokines, Immunology, Inflammation, Multiple Sclerosis, Myelination, Neurobiology, Regeneration

---

Ehud Kaplan, PhD; Syracuse University

Professor, Department of Neuroscience

Training Area(s): NEU, SMD
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Web Page: http://www.mountsinai.org/Find%20A%20Faculty/profile.do?id=0000072500001497219202&officeDrawer=biz

Topics: Brain Imaging, Computational Neuroscience, Computer Simulation, Image Analysis, Imaging, Neural Code, Neurobiology, Neurophysiology, Retina, Systems Neuroscience, Vision

---

Robert S. Krauss, PhD; University of North Carolina, Chapel Hill

Professor, Department of Developmental and Regenerative Biology

Training Area(s): CAB, DSCB
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Topics: Axon Guidance, Cancer, Cell Adhesion, Cell Biology, Cellular Differentiation, Cytoskeleton, Developmental Biology, Developmental Neurobiology, Genetics, Human Genetics and Genetic Disorders, Knockout Mice, Muscle Cells, Muscular Dystrophy, Oncogenes, Protein Complexes, Protein Kinases, Signal Transduction, Stem Cells

---

Terry Kruilwich, PhD; University of Wisconsin

Professor, Department of Pharmacology and Systems Therapeutics

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Web Page: http://www.mountsinai.org/Find%20A%20Faculty/profile.do?id=0000072500001497228742&officeDrawer=biz

Topics: Anthrax, Antibiotic Resistance, Membrane Proteins/Channels, Transporters
Jeffrey Laitman, PhD; Yale University
Distinguished Professor, Department of Otolaryngology

Training Area(s): DSCB
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Djamel Lebeche, PhD; Boston University School of Medicine
Assistant Professor, Department of Medicine (Cardiology)

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Topics: Addiction, Behavior, Cytokines, Proteomics, Synaptic Plasticity, Synaptogenesis

Ihor Lemischka, PhD; Massachusetts Institute of Technology
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John Xiajun Li, PhD; Columbia University
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Topics: Developmental Biology, Epigenetics, Genetics, Stem Cells, Transgenic Mice
Ronald Li, PhD; Columbia University

Senior Faculty, Department of Medicine (Cardiology)

Training Area(s):
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Jean K. Lim, PhD; University of Maryland

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Topics: Biodefense, Cellular Immunity, Chemokines, Immunology, Infectious Disease, Inflammation, Trafficking, Viruses and Virology

Xiu-min Li, MD; Henan School of Chinese Medicine

Associate Professor, Department of Pediatrics

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Topics: Allergy, B Cells, cAMP, Cellular Immunity, Cytokines, Immunological Tolerance, Immunology, Inflammation, Lymphocytes, Memory T Cells

Sergio Lira, MD/PhD; University of California, San Diego

Co-Director, Immunology Institute
Professor, Department of Medicine (Clinical Immunology)

Training Area(s): CAB, IMM
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Topics: Angiogenesis, Autoimmunity, Brain, Cancer, Cell Motility, Cellular Immunity, Chemokines, Chemotaxis, Demyelination, Diabetes, Endothelial Cells, Imaging, Immunology, Inflammation, Knockout Mice, Lymphangiogenesis, Macrophage, Microglia, Multiple Sclerosis, Oncogenes, Organogenesis, Pathology, Stem Cells, T Cells Thyroid, Transgenic Mice Tumorigenesis, Vascular Development, Viruses and Virology
Zhongmin Ma, PhD; St. Louis University School of Medicine
Associate Professor, Department of Geriatrics and Palliative Medicine
Training Area(s): DSCB, NEU, PSB
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Topics: Aging, Apoptosis/Cell Death, Autoimmunity, Autophagy, Brain, Cancer, Cell Biology, Cell Cycle, Cell Division, Chemotaxis, Diabetes, Insulin, Iron Metabolism, Lipid Signaling, Membranes, Mitochondria, Molecular Biology, Oxidative Stress, Signal Transduction, Transporting

Avi Ma'ayan, PhD; Mount Sinai School of Medicine
Assistant Professor, Department of Pharmacology and Systems Therapeutics
Training Area(s): PSB, SMD
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Web Page: http://www.mountsinai.org/Find%20A%20Faculty/profile.do?id=0000072500001497168952&officeDrawer=biz
Topics: Bioinformatics, Biophysics, Biostatistics, Cell Adhesion, Cell Biology, Cellular Differentiation, Computational Biology, Computational Neuroscience, Computer Simulation, Dendritic Cells, Diabetes, Drug Design and Discovery, Gene Expressions, Gene Regulation, Mathematical and Computational Biology, Computer Simulation, Dendritic Cells, Diabetes, Drug Design and Discovery, Gene Expressions, Gene Regulation, Mathematical and Computational Biology, Mathematical Modeling of Biomedical Systems, Microarray, Molecular Biology, Nanotechnology, Neural Networks, Protein Complexes, Protein Kinases, Protein Phosphatases, Proteomics, Retinoic Acid, Stem Cells, Theoretical Biology, Theoretical Biophysics, Theoretical Neuroscience

Saul Maayani, PhD; Tel Aviv University
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Training Area(s): SMD
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James J. Manfredi, PhD; Albert Einstein College of Medicine
Professor, Department of Oncological Sciences
Training Area(s): CAB, GGS, PSB
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Topics: Apoptosis/Cell Death, Cancer, Cell Cycle, Cell Division, Gene Regulation, Metastasis, Mitosis, Molecular Epidemiology, Nucleus, Oncogenes, Phosphorylation, Prostate, Protein Structure/Function, Transcription Factors, Transcriptional Activation and Repression, Viruses and Virology

John Martignetti, MD/PhD; Mount Sinai School of Medicine
Associate Professor, Department of Genetics and Genomic Sciences
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Topics: Cancer Genetics, Gene Discovery, Genomics, Molecular Biology, Tumor Suppressor Genes

Marianna Max, PhD; University of Virginia
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Topics: Biophysics, Brain, Mathematical and Computational Biology, Mathematical Modeling of Biomedical Systems, Membrane Proteins/Channels, Neurobiology, Neurophysiology, Protein Structure/Function, Receptors, Signal Transduction, Structural Biology, Theoretical Biophysics

Lloyd F. Mayer, MD; Mount Sinai School of Medicine
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Professor, Department of Medicine (Clinical Immunology)
Training Area(s): IMM, MIC
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http://www.mountsinai.org/Find%20A%20Faculty/profile.do?id=0000072500001497208222&officeDrawer=biz
Topics: Antigen Presentation, Epithelial Cells, Lymphocytes, Mucosal Immunology
Miriam Merad, MD/PhD; Hospital Saint Louis (France) and Stanford University
Associate Professor, Department of Oncological Sciences
Training Area(s): IMM
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Location(s) -- Office: East Building 13-70F -- Lab: East Building 13th Floor
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Web Page: http://www.mountsinai.org/Find%20A%20Faculty/profile.do?id=0000072500001497252922&officeDrawer=biz
Topics: Cancer, Chemokines, Immunological Tolerance, Immunology, Stem Cells, T Cells, Transplantation

Mihaly Mezei, PhD; ETvs Lornd University
Associate Professor, Department of Structural and Chemical Biology
Training Area(s): SMD
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Topics: Computational Simulation, Protein Structure/Function

Marek Mlodzik, PhD; University of Basel
Professor & Chair, Department of Developmental and Regenerative Biology
Training Area(s): CAB, DSCB, GGS, NEU
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Web Page: http://www.mountsinai.org/Find%20A%20Faculty/profile.do?id=0000072500001497304492&officeDrawer=biz
Topics: Cell Biology, Cellular Differentiation, Cytoskeleton, Developmental Neurobiology, Drosophila, Genetics, Genomics, Growth Factors and Receptors, Oncogenes, Signal Transduction
Charles V. Mobbs, PhD; University of Southern California

Professor, Department of Geriatrics and Adult Development

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Topics: Adipose, Aging, Behavior, Brain, Diabetes, Hormones, Insulin, Knockout Mice, Memory, Mitochondria, Neurodegeneration/protection, Neurotoxicology, Obesity, Oxidative Stress, Transcription Factors, Transgenic Mice

Kateri Moore, DVM; Kansas State University

Associate Professor, Department of Developmental and Stem Cell Biology

Training Area(s): DSCB
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Topics: Gene Discovery, Genomics, Hematopoiesis, Molecular Biology, Stem Cells

Thomas M. Moran, PhD; Boston University

Professor, Department of Microbiology

Training Area(s): IMM, MIC
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Fax: (212) 987-3653
Email: Thomas.Moran@mssm.edu
Web Page: http://www.mountsinai.org/Find%20AFaculty/profile.do?id=0000072500001497186002&officeDrawer=biz

Topics: Antigen Presentation, B Cells, Cellular Immunity, Cytokines, Dendritic Cells, Immune Antagonism, Immunoglobulin Genes, Immunological Tolerance, Immunology, Infectious Disease, Inflammation, Interferon, T Cells, Transplantation, Vaccine Development, Viruses and Virology
Susan Morgello, MD; Duke University

Professor, Department of Pathology

Training Area(s): NEU
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http://www.mountsinai.org/Find%20A%20Faculty/profile.do?id=0000072500001497145782&officeDrawer=biz

Clinical Research Disciplines: Patient-oriented research;

Specific Research Interest: hiv/aids; neuropathology; clinicopathologic correlates

Overview: The laboratory utilizes molecular, immunohistochemical, and more traditional histochemical techniques to study nervous system complications in patients with Human Immunodeficiency Virus (HIV) infection and acquired immunodeficiency syndrome (AIDS). A large clinical program of research focusing on the psychiatry, neuropsychology and neurology of advanced HIV infection provides the basis for translational research in the laboratory.

John Morrison, PhD; Johns Hopkins University School of Medicine

Dean of Basic Sciences, Graduate School of Biological Sciences
Professor, Department of Neuroscience
Professor, Geriatrics and Adult Development

Training Area(s): NEU
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Topics: Aging, Alzheimer’s Disease, Brain, Cognitive Neuroscience, Cytoskeleton, Epigenetics, GABA, Glutamate (NMDA & AMPA) Receptors, Hormones, Membrane Proteins/Channels, Memory, Motor Neuron, MRI, Neural Networks, Neurobiology, Neuroscience, Neurotransmitters, Protein Trafficking & Sorting, Receptors, Regeneration, Reproductive Biology, RNA Transport & Localization, Signal Transduction, Synapses, Synaptic Plasticity, Synaptogenesis, Systems Neuroscience, Transgenic Mice, Transporters Vision

Shiraz Mujtaba, PhD; Post-Graduate Institute of Medical Education and Research, Chandigarh, India

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Email: shiraz.mujtaba@mssm.edu
Web Page:
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Topics: Gene Regulation, Cancer, Prostate, Inflammation
Goutham Narla, MD/PhD; The Mount Sinai School of Medicine
Assistant Professor, Department of Medicine
Training Area(s): CAB, GGS
One Gustave L. Levy Place, Box 1498 New York, NY 10029
Location(s) -- Office: IMI 14th Floor Room 70 C -- Lab: IMI 14th Floor Room 26D
Phone(s) -- Office: 212 659 6732 -- Lab: 212 659 9218
Fax: 212 659 5657
Email: goutham.narla@mssm.edu
Web Page:
http://www.mountsinai.org/Find%20AFaculty/profile.do?id=0000072500001497155852&officeDrawer=biz
Topics: Cancer Genetics, Metastasis, Oncogenes, Transgenic Mice, Tumor Suppressor Genes, Tumorigenesis

Eric J Nestler, MD/PhD; Yale University
Professor & Chair, Department of Neuroscience
Training Area(s): NEU, PSB
One Gustave L. Levy Place, Box New York, NY 10029
Location(s) -- Office: Icahn Medical Institute Floor 10 Room 10-23
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Email: eric.nestler@mssm.edu
Web Page: http://www.mountsinai.org/Find%20AFaculty/profile.do?id=000007250000464734661
Topics: Addiction, Behavior, Epigenetics, Molecular Biology, Neuroscience

Natalia Nieto, PhD; University of Granada, Spain
Associate Professor, Department of Medicine (Liver Diseases)
Training Area(s): PSB
One Gustave L. Levy Place, Box 1123 New York, NY 10029
Location(s) -- Office: 1470 Madison Avenue Room 11-70 New York, NY 10029 -- Lab: East Building, Room 11-76
Phone(s) -- Office: 1-212-659-8315 -- Lab: 1-212-659-9217
Email: natalia.nieto@mssm.edu
Web Page:
http://www.mountsinai.org/Find%20AFaculty/profile.do?id=0000072500001497131592&officeDrawer=biz
Topics: Extracellular Matrix, Fibrosis, Liver, Oxidative Stress
Matthew O'Connell, PhD; University of Adelaide

Associate Professor, Department of Oncological Sciences

Training Area(s): CAB, GGS
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Email: matthew.oconnell@mssm.edu
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Topics: Aging, Anti-Tumor Therapy, Apoptosis/Cell Death, Cancer, Cancer Genetics, Cell Biology, Cell Cycle, Cell Division, Chromatin, DNA Recombination, DNA Repair, DNA Replication, Drug Design and Discovery, Gene Discovery, Gene Expressions, Gene Regulation, Genetics, Growth, Leukemia, Lymphoma, Mitosis, Molecular Biology, Nucleus, Oncogenes, Phosphorylation, Proteases, Protein Complexes, Protein Degradation, Protein Kinases, Protein Phosphatases, Protein Structure/Function, Signal Transduction, Tumor Suppressor Genes, Tumorigenesis

Michael Ohlmeyer, PhD; Rice University, Houston

Associate Professor, Department of Structural and Chemical Biology

Training Area(s): SMD
Icahn Medical Institute
Location(s) -- Office: 16-70D -- Lab: 16-50
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Roman Osman, PhD; Tel Aviv University, Israel

Professor, Department of Structural and Chemical Biology

Training Area(s): CAB, SMD
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Email: Roman.Osman@mssm.edu
Web Page: http://www.mountsinai.org/Find%20A%20Faculty/profile.do?id=0000072500001497221052&officeDrawer=biz

Topics: Antigen Presentation, Biophysics, Computational Biology, Computer Simulation, DNA Repair, Drug Design and Discovery, Gene Regulation, DNA Repair, Drug Design and Discovery, Gene Regulation, Mathematical and Computational Biology, Membrane Proteins/Channels, Post-Transcriptional Processing, Protein Folding, Protein Structure/Function, Receptors, Taste, Theoretical Biophysics
Laurie Ozelius, PhD; Harvard Medical School
Associate Professor, Department of Genetics and Genomic Sciences

Training Area(s): GGS, NEU
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Email: laurie.ozelius@mssm.edu
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Topics: Basal Ganglia, Brain, Gene Discovery, Genetics, Genetics of Movement Disorders, Human Genetics and Genetic Disorders, Molecular Biology, Parkinson’s Disease

Coro Paisan-Ruiz, PhD; University of the Basque Country
Assistant Professor, Department of Neurology

Training Area(s): GGS
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Peter Palese, PhD; University of Vienna
Professor, Department of Microbiology

Training Area(s): GGS, MIC, SMD
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Email: Peter.Palese@mssm.edu
Web Page: [http://www.mountsinai.org/Find%20A%20Faculty/profile.do?id=0000072500001497138492&officeDrawer=biz](http://www.mountsinai.org/Find%20A%20Faculty/profile.do?id=0000072500001497138492&officeDrawer=biz)

Zhen-Qiang Pan, PhD; Columbia University

Professor, Department of Oncological Sciences

Training Area(s): CAB, PSB
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Web Page: http://www.mountsinai.org/Find%20A%20Faculty/profile.do?id=0000072500001497234022&officeDrawer=biz

Topics: Cancer, Enzymology, Protein Degradation, Signal Transduction

Giulio M. Pasinetti, MD/PhD; University of Milan

Professor, Department of Neurology

Training Area(s): NEU
One Gustave L. Levy Place, Box 1230 New York, NY 10029
Location(s) -- Office: Atran Berg Laboratory Building Floor 2 Room 24 -- Lab: Annenberg 14-94C
Phone(s) -- Office: (212) 241-7938 -- Lab: (212) 254-1592

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Web Page: http://www.mountsinai.org/Find%20A%20Faculty/profile.do?id=0000072500001497255302&officeDrawer=biz

Topics: Alzheimer’s Disease, Amyotrophic Lateral Sclerosis, Brain, Diabetes, Gene Therapy, Genomics, Inflammation, Insulin, Memory, Microarray, Muscular Dystrophy, Obesity, Proteomics, Synapses, Viruses and Virology

Inga Peter, PhD; Tel Aviv University

Associate Professor, Department of Genetic and Genomic Sciences

Training Area(s): GGS
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Topics: Diabetes, Obesity, Genetics, Genomics
Cathie Pfleger, PhD; Harvard University
Assistant Professor, Department of Oncological Sciences
Training Area(s): CAB, DSCB
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Location(s) -- Office: 15-20D -- Lab: 15-26
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Web Page: http://www.mountsinai.org/Find%20A%20Faculty/profile.do?id=0000072500001497130982&officeDrawer=biz
Topics: Cancer, Cell Cycle, Developmental Biology, Drosophila, Gene Discovery, Growth, Oncogenes, Phosphorylation, Protein Degradation, Signal Transduction, Tumor Suppressor Genes, Tumorigenesis

Greg R. Phillips, PhD; Scripps Research Institute
Assistant Professor, Department of Neuroscience
Training Area(s): NEU
1425 Madison Avenue
Location(s) -- Office: Icahn Medical Institute, 1425 Madison Avenue, Room 1076 -- Lab: 10-02
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Web Page: http://www.mountsinai.org/Find%20A%20Faculty/profile.do?id=0000072500001497244902&officeDrawer=biz
Topics: Mass Spectrometry, Molecular Biology, Neural Code, Neurobiology, Protein Complexes, Protein Structure/Function, Synapses, Synaptogenesis, Trafficking, Autophagy, Cell Adhesion, Cell Biology, Developmental Neurobiology, Extracellular Matrix, Intracellular Transport, Lysosomes/endosome

Stella Dracheva Plevan, PhD; Moscow State University (USSR)
Associate Professor, Department of Psychiatry
Training Area(s): NEU
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Location(s) -- Office: Bronx VA Medical Center, GMR Bld., Room 4F-02 -- Lab: Bronx VA Medical Center, GMR Bld., Room 4F-33
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Fax: (718) 365-9622
Email: stella.dracheva@mssm.edu
Web Page: http://www.mountsinai.org/profiles/stella-plevan
Topics: Addiction, Brain, Epigenetics, Gene Expressions, Molecular Biology, Neurobiology, Receptors, RNA Splicing & Processing, Schizophrenia
Isak Prohovnik, PhD; Lund University, Sweden

Professor, Department of Psychiatry

Training Area(s): NEU
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http://www.mountsinai.org/Find%20A%20Faculty/profile.do?id=0000072500001497261832&officeDrawer=biz

Topics: Aging, Alzheimer’s Disease, Bioinformatics, Brain, Cognitive Neuroscience, Drug Design and Discovery, Imaging, Magnetic Resonance Imaging, Memory, Neuro-degeneration/protection

Francesco Ramirez, DSc; Universita degli Studi di Palermo

Professor, Department of Pharmacology and Systems Therapeutics

Training Area(s): DSCB, PSB
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Email: francesco.ramirez@mssm.edu
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http://www.mountsinai.org/Find%20A%20Faculty/profile.do?id=0000072500001497182272&officeDrawer=biz

Topics: Cardiovascular, Cell Biology, Extracellular Matrix, Genetics, Growth Factors and Receptors, Knockout Mice, Molecular Biology, Organogenesis, Skeletal Biology

Gwendalyn J Randolph, PhD; SUNY Stony Brook

Associate Professor, Department of Immunology

Training Area(s): IMM, PSB
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Topics: Antigen Presentation, Atherosclerosis, Cell Adhesion, Chemokines
Reddy E. Premkumar, PhD; Osmania University, India

Professor and Director, Department of Oncological Sciences

Training Area(s): CAB
Location(s) -- Lab: East Building, Room 1520
Phone(s)
Email:
Web Page:

Topics: Autophagy, Cancer, Cancer Genetics, Cell Cycle, Cytokines, Drug Design and Discovery, Knockout Mice, Leukemia, Lymphoma, Oncogenes, Protein Kinases, Signal Transduction, Stem Cells, Transcription Factors, Transgenic Mice, Tumor Suppressor Genes, Viruses and Virology

Michael Rendl, MD; University of Vienna

Assistant Professor, Department of Developmental and Regenerative Biology

Training Area(s): DSCB
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Topics: Bioinformatics, Developmental Biology, Gene Expressions, Gene Regulation, Genomics, Knockout Mice, Morphogenesis, Organogenesis, Regeneration, Stem Cells, Transcription Factors, Transgenic Mice

Nikolaos K. Robakis, PhD; New York University

Professor, Department of Psychiatry

Training Area(s): GGS, NEU
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Location(s) -- Office: Annenberg 22-44A -- Lab: Annenberg 22-70 and 22-48
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Topics: Aging, Alzheimer’s Disease, Apoptosis/Cell Death, Brain, Cell Adhesion, Memory, Molecular Biology, Neurobiology, Neuro-degeneration/protection, Neuroscience, Signal Transduction, Synapses

Michael J Ross, MD; New York University School of Medicine

Associate Professor, Department of Medicine (Nephrology)

Training Area(s): IMM, PSB
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Topics: AIDS/HIV, Apoptosis/Cell Death, Cell Cycle, Kidney

45
Scott J. Russo, PhD; Graduate School and University Center of CUNY
Assistant Professor, Department of Neuroscience
Training Area(s): NEU, PSB
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Topics: Addiction, Behavior, Cytokines, Proteomics, Synaptic Plasticity, Synaptogenesis

Ravi Sachindandam, PhD;
Assistant Professor, Department of Genetics and Genomic Sciences
Training Area(s): GGS
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Topics: Bioinformatics, Gene Discovery, Gene Expressions, Genetics, Genomics, RNA Transport & Localization

Kirsten Sadler-Edepli, PhD; Harvard Medical School
Assistant professor, Department of Medicine (Liver Diseases)
Training Area(s): DSCB, CAB
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Topics: Cancer, Cell Biology, Developmental Biology, Diabetes, Embryology, Genetics, Liver, Morphogenesis, Obesity, Organogenesis, Oxidative Stress, Regeneration, Tumorigenesis
Stephen R.J. Salton, MD/PhD; New York University

Associate Professor, Department of Neuroscience

Training Area(s): NEU
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Location(s) -- Office: East 10-70C -- Lab: East 10-56
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Topics: Adipose, Aging, Apoptosis/Cell Death, Axon Guidance, Brain, Cell Adhesion, Chromogranins and Secretogranins, Cytoskeleton, Diabetes, Growth Cone, Growth Factors and Receptors, Hormones, Neuropeptides, Neurotrophins, Obesity, Protein Phosphatases, Protein Trafficking & Sorting, Signal Transduction, Synapses

Hugh A. Sampson, MD; State University of New York

Professor, Department of Pediatrics

Training Area(s): IMM
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Web Page: [http://www.mountsinai.org/Find%20A%20Faculty/profile.do?id=0000072500001497166262&officeDrawer=biz](http://www.mountsinai.org/Find%20A%20Faculty/profile.do?id=0000072500001497166262&officeDrawer=biz)

Topics: Allergy, B Cells, Immunological Tolerance, T Cells

Roberto Sanchez, PhD; The Rockefeller University

Associate Professor, Department of Structural and Chemical Biology

Training Area(s): SMD
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Topics: Bioinformatics, Drug Design and Discovery, Protein Structure/Function, Structural Biology
Lisa Satlin, MD; Columbia University  
Professor and Chair, Department of Pediatrics  
Training Area(s): PSB  
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Topics: Biomechanics/Bioengineering, Cell Biology, Cellular Differentiation, Cytoskeleton, Developmental Biology, Electrophysiology, Epithelial Cells, Gene Expressions, Growth, Growth Factors and Receptors, Hormones, Imaging, Kidney, Knockout Mice, Membrane Proteins/Channels, Membranes, Phosphorylation, Protein Kinases, Protein Phosphatases, Protein Trafficking & Sorting, Signal Transduction, Trafficking, Transporters, Two-Photon Imaging

Edward Schuchman, PhD; Mount Sinai School of Medicine  
Professor, Department of Genetics and Genomic Sciences  
Training Area(s): CAB, DSCB, GGS  
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Web Page: http://www.mountsinai.org/Find%20A%20Faculty/profile.do?id=0000072500001497229942&officeDrawer=biz  
Topics: Angiogenesis, Apoptosis/Cell Death, Blood-Brain Barrier, Bone Metabolism, Brain, Cancer, Cardiovascular, Cartilage Biology, Cellular Differentiation, Chemokines, Chemotaxis, Cytokines, Endothelial Cells, Enzymology, Fibrosis, Gene Regulation, Gene Therapy, Genetics, Genomics, Human Genetics and Genetic Disorders, Inflammation, Lipid Signaling, Lysosomal Storage Diseases, Lysosomes/endosome, Macrophage, Mental Retardation, Metastasis, Neuro-degeneration/protection, Protein Trafficking & Sorting, Reproductive Biology, Signal Transduction, Stem Cells, Tumorigenesis

Stuart C. Sealfon, MD; Columbia University  
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Training Area(s): IMM, NEU, PSB, SMD  
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Web Page: http://www.mountsinai.org/Find%20A%20Faculty/profile.do?id=0000072500001497257742&officeDrawer=biz  
Topics: Addiction, Apoptosis/Cell Death, Basal Ganglia, Bioinformatics, Brain, Cellular Immunity, Cerebral Cortex, Mathematical and Computational Biology, Neuro-degeneration/protection, Receptors, Reproductive Biology, Signal Transduction, Theoretical Biology, Vaccine Development, Viruses and Virology
Matthew Shapiro, PhD; Johns Hopkins University
Associate Professor, Department of Neuroscience
Training Area(s): NEU, PSB
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Location(s) -- Office: Icahn Medical Institute Floor 9th floor Room L9-20b -- Lab: East L9-35
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Topics: Aging, Behavior, Electrophysiology, Neural Networks

Andrew Sharp, PhD; University of Southampton Human Genetics
Associate Professor, Department of Genetics and Genomic Sciences
Training Area(s): GGS
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Email: andrew.sharp@mssm.edu
Topics: Bioinformatics, Epigenetics, Genetics, Genomics, Microarray

Pullanipally Shashidharan, PhD; Osmania University, India
Associate Professor, Department of Neurology
Training Area(s): NEU
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Web Page: http://www.mountsinai.org/Find%20A%20Faculty/profile.do?id=0000072500001497295462&officeDrawer=biz
Topics: Brain, Gene Regulation, Gene Therapy, Neuro-degeneration/protection

Megan Shaw, PhD; University of Glasgow
Assistant Professor, Department of Microbiology
Training Area(s): MIC
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Web Page: http://www.mountsinai.org/Find%20A%20Faculty/profile.do?id=0000072500001497264402&officeDrawer=biz
Topics: Antivirals, Biodefense, Influenza Virus, Interferon Antagonists, Nipah Virus, Proteomics, Viruses and Virology

49
Samuel Sidi, PhD; University of Tubingen, and Paris VI University
Assistant Professor, Department of Developmental and Regenerative Biology
Training Area(s): CAB, DSCB, GGS
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Larry J. Siever, MD; Stanford University School of Medicine
Professor, Department of Psychiatry
Training Area(s): NEU
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Web Page: http://www.mountsinai.org/Find%20A%20Faculty/profile.do?id=0000072500001497180982&officeDrawer=biz
Topics: Behavior, Schizophrenia, Translation

Viviana A. Simon, MD/PhD; Humboldt University, Berlin and University Rostock, Germany
Assistant Professor, Department of Medicine (Infectious Diseases)
Training Area(s): MIC, SMD
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Location(s) -- Office: Annenberg Room 18-50A -- Lab: Annenberg Room 18-50
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Web Page: http://www.mountsinai.org/Find%20A%20Faculty/profile.do?id=0000072500001497120502&officeDrawer=biz
Topics: Bacterial Genetics, Biodefense, Cell Biology, Infectious Disease, Mathematical and Computational Biology, Theoretical Biology, Trafficking

Lawrence Sirovich, PhD; Johns Hopkins University / Courant Institute, NYU
Professor, Department of Pharmacology and Systems Therapeutics
Training Area(s): NEU, PSB, SMD
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Email: Lawrence.Sirovich@mssm.edu
Web Page: http://www.mountsinai.org/Find%20A%20Faculty/profile.do?id=0000072500001497220412&officeDrawer=biz
Topics: Computational Neuroscience, Image Analysis, Mathematical Modeling of Biomedical Systems
Pamela Sklar, MD/PhD; John Hopkins School of Medicine
Senior Faculty, Department of Psychiatry
Training Area(s): DSCB, GGS, NEU
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Mihaela Skobe, PhD; University of Heidelberg, PhD Harvard Medical School, Postdoctoral Fellow
Associate Professor, Department of Oncological Sciences
Training Area(s): CAB, IMM
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Web Page: http://www.mountsinai.org/Find%20A%20Faculty/profile.do?id=0000072500001497294382&officeDrawer=biz
Topics: Angiogenesis, Antigen Presentation, Cancer, Cell Adhesion, Chemokines, Chemotaxis, Endothelial Cells, Growth Factors and Receptors, Immunology, Lymphangiogenesis, Metastasis

Hans-Willem Snoeck, MD/PhD; University of Antwerp
Associate Professor, Department of Oncological Sciences
Training Area(s): CAB, DSCB, IMM
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Web Page: http://www.mountsinai.org/Find%20A%20Faculty/profile.do?id=0000072500001497127042&officeDrawer=biz
Topics: Genetics, Genomics, Hematopoiesis, Lymphocytes, Stem Cells

Eric A. Sobie, PhD; The Johns Hopkins University School of Medicine
Assistant Professor, Department of Pharmacology and Systems Therapeutics
Training Area(s): PSB
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Web Page: http://www.mountsinai.org/Find%20A%20Faculty/profile.do?id=0000072500001508894112&officeDrawer=biz
Topics: Biophysics, Cardiovascular, Computational Biology, Electrophysiology, Mathematical Modeling of Biomedical Systems, Membrane Proteins/Channels, Signal Transduction

51
Sergei Sokol, PhD; Harvard University

Professor, Department of Developmental of Developmental and Regenerative Biology

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Topics: Cell Motility, Developmental Neurobiology, Growth Factors and Receptors, Morphogenesis, Protein Trafficking & Sorting, Stem Cells

Philippe Soriano, PhD; University of Paris

Professor, Department of Developmental and Regenerative Biology

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Web Page: http://www.mountsinai.org/Find%20A%20Faculty/profile.do?id=0000072500005434543701

Topics: Adipose, Cancer Genetics, Cell Biology, Developmental Biology, Embryology, Genetics, Growth Factors and Receptors, Human Genetics and Genetic Disorders, Knockout Mice, Oncogenes, Organogenesis, Protein Kinases, Stem Cells, Transgenic Mice, Vascular Development

Herb Sun, PhD; Norman Bethune University of Medical Science

Assistant Professor, Department of Orthopaedics

Training Area(s): DSCB, PSB
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Location(s) -- Office: Annenberg 20-66 -- Lab: Annenberg 20-40
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Email: herb.sun@mssm.edu
Web Page: http://www.mountsinai.org/Find%20A%20Faculty/profile.do?id=0000072500001497245962&officeDrawer=biz

Topics: Cartilage Biology, Cellular Differentiation, Gene Regulation, Inflammation, Osteoporosis, Signal Transduction, Skeletal Biology, Tendon Biology, Tendon Disease, Tissue Breakdown, Tissue Engineering, Wound Healing
Cheuk Y. Tang, PhD; University of California at Irvine
Assistant Professor, Department of Radiology
Training Area(s): NEU, SMD
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Web Page: http://www.mountsinai.org/Find%20A%20Faculty/profile.do?id=0000072500001497232502&officeDrawer=biz

Topics: Alzheimer’s Disease, Axonal Growth and Degeneration, Brain Imaging, Computer Simulation, Demyelination, Diffusion Tensor Imaging, Image Analysis, Imaging, Positron Emission Tomography

Bachir Taouli, MD; University of Maryland
Associate Professor, Department of Radiology
Training Area(s): PSB
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Web Page: http://www.mssm.edu/profiles/bachir-taouli

Topics: Cancer, Eye Movements, Liver, Magnetic Resonance Imaging, Mathematical Modeling of Biomedical Systems

Benjamin tenOever, PhD; Harvard University McGill University
Assistant Professor, Department of Microbiology
Training Area(s): MIC
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Topics: Biodefense, Cellular Immunity, Chemokines, Chromatin, Cytokines, Immunology, Infectious Disease, Inflammation, Influenza Virus, Interferon, Interferon Antagonists, Macrophage, Mass Spectrometry, Microarray, Mitochondria, Molecular Biology, Paramyxovirus, Phosphorylation, Respiratory Tract, RNA, RNA Splicing & Processing, Signal Transduction, Transcription Factors, Transgenic Mice, Vaccine Development, Viruses and Virology
Adrian T. Ting, PhD; The Mayo Graduate School

Associate Professor, Department of Medicine (Clinical Immunology)

Training Area(s): IMM, MIC
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Topics: Antigen Presentation, Apoptosis/Cell Death, Autoimmunity, Bioinformatics, Cellular Immunity, Immunology, Inflammation, Interferon, Interferon Antagonists, Lymphocytes, Protein Kinases, Signal Transduction, T Cells, Viruses and Virology

Yaron Tomer, MD; Sackler School of Medicine, Tel-Aviv University

Senior Faculty, Department of Medicine (Endocrinology, Diabetes and Bone Disease)

Training Area(s): GGS, IMM
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Topics: Autoimmunity, Thyroid

Domenico Tortorella, PhD; State University of New York at Stony Brook

Associate Professor, Department of Microbiology

Training Area(s): IMM
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Topics: Biodefense, Cell Biology, Cellular Immunity, Immunology, Infectious Disease, Membranes

54
Iban Ubarretxena, ;
Assistant Professor, Department of Structural and Chemical Biology

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Martin Walsh, PhD; Columbia University
Associate Professor, Department of Pediatrics

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http://www.mountsinai.org/Find%20A%20Faculty/profile.do?id=0000072500001497211982&officeDrawer=biz

Topics: Apoptosis/Cell Death, Bioinformatics, Cancer, Cell Cycle, Cell Division, Cellular Differentiation, Chromatin, Developmental Biology, Drug Design and Discovery, Epigenetics, Gene Regulation, Human Genetics and Genetic Disorders, Mass Spectrometry, Mitosis, Nucleus, Oncogenes, Protein Structure/Function, Proteomics, RNA, Transcription Factors, Transcriptional Activation and Repression

Rong Wang, PhD; Johns Hopkins University School of Medicine
Associate Professor, Department of Genetics and Genomic Sciences

Training Area(s): GGS, NEU, SMD
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Topics: Alzheimer’s Disease, Biophysics, Mass Spectrometry, Neuro-degeneration/protection, Obesity, Phosphorylation, Post-Transcriptional Processing, Protein Complexes, Protein Degradation, Proteomics

Ting Wang, PhD; Johns Hopkins University School of Medicine
Associate Professor, Psychiatry

Training Area(s): BSBB, CAB, GGS, NEU
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Peter Warburton, PhD; University of Toronto

Associate Professor, Department of Genetics and Genomic Sciences

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Web Page:
http://www.mountsinai.org/Find%20A%20Faculty/profile.do?id=0000072500001497303182&officeDrawer=biz

Topics: Adipose, Epigenetics

Paul M. Wassarman, PhD; Brandeis University

Professor, Department of Molecular, Cell and Developmental Biology

Training Area(s): DSCB, SMD
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Topics: Developmental Biology, Protein Structure/Function, Proteomics, Reproductive Biology

Thomas Weber, PhD; Swiss Federal Institute of Technology

Assistant professor, Department of Medicine (Cardiology)

Training Area(s): MIC
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Topics: Gene Therapy, Viruses and Virology

Klaudiusz Weiss, PhD; SUNY Stony Brook

Professor, Department of Neuroscience

Training Area(s): NEU, SMD
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Topics: Aplysia, Behavior, cAMP, Cognitive Neuroscience, Electrophysiology, GABA, Glutamate (NMDA & AMPA) Receptors, Hormones, Membrane Proteins/Channels, Memory, Motor Neuron, Neural Networks, Neuromodulation, Neuropeptides, Neurotransmitters, Phosphorylation, Protein Kinases, Protein Phosphatases, Receptors, Synapses
James Wetmur, PhD; California Institute of Technology

Professor, Department of Microbiology

Training Area(s): GGS, MIC
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Web Page: http://www.mountsinai.org/Find%20A%20Faculty/profile.do?id=0000072500001497281222&officeDrawer=biz

Topics: Bacterial Genetics, DNA Recombination, DNA Replication, Enzymology, Epigenetics, Folates, Gene Regulation, Gene Therapy, Genetics, Genomics, Immunology, Molecular Epidemiology, Molecular Motors, Protein Complexes, Protein Structure/Function, RNA, Spectroscopy, Thermodynamics, Transcription Factors, Viruses and Virology

Jose M. Wolosin, PhD; Hebrew University

Assistant Professor, Department of Ophthalmology

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Savio Woo, PhD; University of Washington

Professor, Department of Hematology and Medical Oncology

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Topics: Anti-Tumor Therapy, Bacterial Genetics, Cancer, Chemotaxis, Cytokines, Gene Therapy, Human Genetics and Genetic Disorders, Inflammation, Interferon, Interferon Resistance, Liver, Stem Cells, Viruses and Virology

Huabao Xiong, MD/PhD;

Assistant Professor, Department of Medicine (Clinical Immunology)

Training Area(s): IMM
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Topics: Autoimmunity, Cancer, Cytokines, Signal Transduction
Pin-Xian Xu, PhD; The Graduate University for Advanced Studies

Associate Professor, Department of Genetics and Genomic Sciences

Training Area(s): DSCB, GGS, NEU
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Topics: Auditory, Developmental Biology, Developmental Neurobiology, Embryology, Epithelial Cells, Gene Expressions, Gene Regulation, Genetics, Inner Ear, Kidney, Knockout Mice, Molecular Biology, Morphogenesis, Neuroscience, Organogenesis, Transgenic Mice

Shoshana Yakar, PhD; Tel-Aviv University-School of Medicine

Assistant Professor, Department of Medicine (Endocrinology, Diabetes & Bone Disease)

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Topics: Bone Biology, Bone Metabolism, Growth, Growth Factors and Receptors, Knockout Mice, Metastasis, Osteoporosis, Skeletal Biology, Transgenic Mice, Tumorigenesis

Sergei Yakushin, PhD; CUNY Graduate Center

Associate Professor, Department of Neurology

Training Area(s): NEU
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Topics: Behavior, Biophysics, Brain, Cerebellum, Computational Neuroscience, Eye Movements, Inner Ear, Locomotion, Mathematical modeling of Biomedical Systems, Microgravity, Motor Control, Motor Neuron, Neural Code, Neural Networks, Neurobiology, Neuromuscular System, Neurophysiology, Neuroscience, Postural Control, Vestibular, Vision
**Rachel Yehuda, PhD; CUNY Graduate Center**

Professor, Department of Psychiatry and Neurobiology

Training Area(s): NEU
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**Topics:** Behavior, Brain, Brain Imaging, Epigenetics, Gene Expression, Gene Regulation, Hormones, Lymphocytes, Magnetic Resonance Imaging, Memory, Molecular Biology, Molecular Epidemiology, MRI, Neurobiology, Positron Emission Tomography, Translation

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**Qin Yu, PhD; Tufts University**

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**Topics:** Angiogenesis, Anti-Tumor Therapy, Brain, Cancer, Cardiovascular, Cell Adhesion, Cell Biology, Cell Motility, Cell Transformation, Cellular Differentiation, Cytokines, Cytoskeleton, Drug Design and Discovery, Endothelial Cells, Extracellular Matrix, Growth Factors and Receptors, Integrons, Lung, Metastasis, Microarray, Migration, Molecular Biology, Oncogenes, Pathology, Proteases, Protein Kinases, Receptors, Signal Transduction, Stem Cells, Transgenic Mice, Tumor Suppressor Genes, Tumorigenesis, Vascular Development, Wound Healing

---

**Zhenyu Yue, PhD; Rutgers/Robert Wood Johnson Medical School-UMDNJ**

Associate Professor, Department of Neurology

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Email: zhenyu.yue@mssm.edu
Web Page: [http://www.mountsinai.org/Find%20AFaculty/profile.do?id=0000072500001497250072&officeDrawer=biz](http://www.mountsinai.org/Find%20AFaculty/profile.do?id=0000072500001497250072&officeDrawer=biz)

**Topics:** Aging, Apoptosis/Cell Death, Autophagy, Axonal Growth and Degeneration, Basal Ganglia, Brain, Cell Biology, Cerebellum, Gene Regulation, Genetics, Growth Cone, Human Genetics and Genetic Disorders, Imaging, Intracellular Transport, Knockout Mice, Lysosomes/endosome, Mass Spectrometry, Membrane Proteins/Channels, Microtubules, Mitochondria, Molecular Biology, Motor Neuron, Neuro-degeneration/protection, Oxidative Stress, Parkinson’s Disease, Pathology, Protein Complexes, Protein Degradation, Protein Kinases, Protein Structure/Function, Protein Trafficking & Sorting, Proteomics, Signal Transduction, Synapses
Mone Zaidi, MD/PhD; University of London

Professor, Department of Medicine (Endocrinology, Diabetes & Bone Disease)

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Phone(s) -- Office: (212) 241-8797
Email: Mone.Zaidi@mssm.edu
Web Page: http://www.mountsinai.org/FindAFaculty/profile.do?id=0000072500001497231442&officeDrawer=biz

Topics: Bone Biology, Bone Metabolism, Cell Biology, Cytokines, Developmental Biology, Gene Expressions, Genetics, Hormones, Immunosuppression, Macrophage, Microarray, Molecular Biology, Neuromodulation, Osteoporosis, Signal Transduction, Skeletal Biology, Thyroid, Transcription Factors

Ming-Ming Zhou, PhD; Purdue University

Professor & Chair, Department of Structural and Chemical Biology

Training Area(s): CAB, GGS, SMD
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Email: Ming-Ming.Zhou@mssm.edu
Web Page: http://www.mountsinai.org/FindAFaculty/profile.do?id=0000072500001497132602&officeDrawer=biz

Topics: AIDS/HIV, Alzheimer’s Disease, Cancer, Chromatin, Drug Design and Discovery, Gene Regulation, Leukemia, Protein Complexes, Protein Structure/Function, Signal Transduction, Spectroscopy, Structural Biology, Transcription Factors, Transcriptional Activation and Repression

Hongyan Zou, MD/PhD; Cornell University and Memorial Sloan-Kettering Institute

Assistant Professor, Department of Neurosurgery

Training Area(s): GGS, NEU
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Web Page: http://www.mountsinai.org/FindAFaculty/profile.do?id=0000072500001497298672&officeDrawer=biz

Topics: Axon Guidance, Axonal Growth and Degeneration, Brain, Cancer, Cell Biology, Developmental Neurobiology, Growth Cone, Molecular Biology, Neurobiology, Spinal Cord
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