

Icahn School of Medicine at Mount Sinai 6th Annual Postdoctoral Symposium



EDUCATION AND OUTREACH



Icahn
School of
Medicine at
Mount
Sinai

September 18th, 2015



Postdoc
Executive
Committee
ISMMS

Please see the final pages of the Program for:

- ❖ A list of useful resources for postdocs
- ❖ Exciting upcoming events for postdocs
- ❖ Raffle prizes – tickets given out before Panel discussions and Postdocs Talks, winners drawn before the keynote talk
- ❖ A list of our guests at the networking reception – many interesting companies will be represented

ORGANIZED BY
Icahn School of Medicine at Mount Sinai
Postdoc Executive Committee

Merina Varghese, *Co-chair*
Ryan J. Cummings, *Co-chair*

Eric Sweet
Mustafa Siddiq
Audrey Au
Nebojsa Kezunovic
Alison Sanders
Ricky Joshi
Giovanna Collu
Mirela Berisa
Katie Nolan
Victor Leyva-Grado
Delaine Ceholski
Emma Sprooten
Genevieve Galarneau
Dominique Leitner
Rebecca Feldman
Katherine Fantauzzo
Albino Troilo
Catarina Saiote
Nicholas Barbieri
Salvador Sierra



PROGRAM AT A GLANCE

*VENUE: Davis Auditorium,
Leon and Norma Hess Center for Science and Medicine,
1470 Madison Ave, New York, NY 10029*

Morning program

open to Mount Sinai postdocs only

- | | |
|----------------------|--|
| 9:00 – 10:00 | Registration and breakfast
<i>Hess 2nd floor lobby area</i> |
| 10:00 – 10:05 | Welcome & Introduction |
| 10:05 – 11:35 | Panel discussion:
Careers in Education & Outreach |
| 11:35 – 11:45 | Coffee break
<i>Hess 2nd floor lobby area</i> |
| 11:45 – 12:45 | Panel discussion:
Mount Sinai Innovation Partners |
| 12:45 – 1:45 | Lunch
<i>Hess 2nd floor lobby area</i> |

Afternoon program

open to all Mount Sinai employees, New York area postdocs and invited guests

- 1:45 – 2:45 Scientific presentations by Postdocs:
- Robin Chemers Neustein Awardees
Elizabeth Heller, PhD
Leticia Tordesillas, PhD
 - Best Publication Awardee
Arthur Mortha, PhD
- 2:45 – 3:45 Scientific presentations by Postdocs:
Data blitz
- 3:45 – 4:00** **Coffee break**
Hess 2nd floor lobby area
- 4:00 – 4:15 Introduction to Keynote Talk
& Raffle Draw
- 4:15 – 5:15 Keynote Address:
Professor Gregory A. Petsko,
Weill Cornell Medical College
*“Postdoc, Ergo Doc?”
Reexamining the Postdoctoral
Experience in the United States:
Where Ideality and Reality Diverge.”*
- 5:15 – 7:15** **Networking Reception**
Hess 2nd floor lobby area

EDUCATION AND OUTREACH

At the very core of each postdoctoral fellow is an educator capable of teaching science and technical skills honed since graduate school. Disagree? Consider this: although the position of postdoc might not seem overly glamorous or all that lucrative, since graduate school we have been trained (and paid) to educate ourselves on a daily basis. How many professions can tout a credential like that?! Furthermore, not only do we nourish ourselves with this knowledge but also the peers and colleagues we work with at the bench, in the classroom, or during a seminar. Whether you believe it or not, the making of an educator is in all of us, utilized in our day-to-day activities within the laboratory. That said, our responsibilities to educate one another do not end at the bench. Rather, we can all strive to develop our talents as educators beyond the laboratory.

Now that we have (hopefully) convinced you that postdocs are educators, let us make the case for sharing our research outside the scientific community. Science outreach to the general public, who actually pays for our research, is an opportunity for us to demystify the scientific process while enhancing awareness of and stimulating conversations on the role science plays in everyday life. How can we connect with this audience? How can we share our stories, our research, and our passion for science? Simple: step away from the lab bench to take part in any of the several outreach programs offered within the New York City area, and give back what has generously been given to you. Not only will this grow the inner educator within you, but also it will help with your career development, and most importantly serve as a tremendously rewarding experience when motivating future scientists. Theodore Roosevelt, the 26th President of the United States, once said, *“Nobody cares how much you know, until they know how much you care”*.

Welcome to Postdoc Day 2015, it is all about “Education and Outreach” – enjoy!

The Postdoc Executive Committee.

DETAILED PROGRAM

9:00 – 10:00 **Registration and breakfast**
Hess 2nd floor lobby area

10:00 – 10:05 **Welcome & Introduction**
Davis Auditorium

Merina Varghese, PhD and Ryan J. Cummings, PhD
Co-Chairs of the Postdoc Executive Committee

Professor Charles Mobbs
Faculty Director, Office of Postdoctoral Affairs

DETAILED PROGRAM cont'd.

10:05 – 11:35 Panel discussion:
Careers in Education & Outreach
Davis Auditorium

SUMMARY: This discussion will focus on six scientists who have taken their PhD's and love of science to build careers in education and outreach. They motivate and inspire children into science and help to foster the public's appreciation of the role of basic science. In a moderated discussion, our panelists will be available to discuss what drew them to their new career as well as the path they had to travel to get there.

Panelists: **Yaihara Fortis-Santiago, PhD** - *Science Alliance Program Manager, The New York Academy of Sciences*; **Jeanne Garbarino, PhD** - *Director of Science Outreach, Rockefeller University*. **Cesar A. Berrios-Otero, PhD** - *Outreach Director, F1000*; **Disan Davis, PhD** - *Science teacher, Hunter College High School*; **Stephen Miles Uzzo, PhD** - *Chief Scientist, New York Hall of Science*; **Ben Dubin-Thaler, PhD** - *Founder, Biobus*.

Dr. Yaihara Fortis-Santiago is the manager of Science Alliance, the professional development branch of the New York Academy of Sciences. Dr. Yaihara develops and implements innovative workshops and courses that provide early career scientists with a range of soft and business skills that will be essential for all careers. As the manager of Science Alliance, she works closely with career development offices and student and postdoc organizations to consolidate resources and implement new ideas for professional development programming.



DETAILED PROGRAM cont'd.

In 2014, Dr. Fortis completed the Science and Technology Policy Fellowship under the American Association for the Advancement of Science (AAAS). During her time as a fellow, she was assigned to work at the National Science Foundation (NSF). During her first year, she worked at the Emerging Frontiers in Research and Innovation office (EFRI) under the Directorate for Engineering on programs that transform the frontiers of STEM fields using innovative multidisciplinary approaches and inter-institutional collaborations. For her second year, she worked at the Office of International Science and Engineering (OISE) on programs that provide international research opportunities for U.S. students and researchers and supported the establishment of cooperation agreements within the Americas region.

Dr. Fortis has a longstanding commitment to service and mentoring students in STEM fields. For several years she has worked closely with the Society for Advancing Chicanos/Hispanics and Native American in Sciences (SACNAS) and the non-for profit organization Ciencia Puerto Rico (CienciaPR) to increase the participation of underrepresented minority students in STEM careers. With CienciaPR, she has led several science education efforts to promote contextualization of science in Spanish-speaking regions.

Dr. Fortis obtained her bachelors' degree in Biology from University of Puerto Rico and her doctoral degree in Neuroscience from Brandeis University. Her doctoral work was focused on studying the role of multisensory integration in taste processing.

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Dr. Jeanne Garbarino earned her Ph.D. in metabolic biology from Columbia University, followed by a postdoc in the Laboratory of Biochemical Genetics and Metabolism at The Rockefeller University, where she now serves as Director of Science Outreach. Jeanne also works as a science communicator, and has contributed to multiple blogs and national media outlets. She also serves as Director of Media Ventures for Neurodome - a planetarium-style film that explores the brain. You can find Jeanne on social media under the handle @JeanneGarb.

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DETAILED PROGRAM cont'd.

Dr. Cesar A. Berrios-Otero: Guided by the passion of Jacques Cousteau, from a very early age Cesar knew he wanted to be involved in science, or at least make movies about the denizens underneath the waters of the Caribbean Sea. After graduating from high school in his native Puerto Rico, he enrolled in the UPR Rio Piedras' program in Biology where as an undergraduate researcher he worked on studying the regenerative capabilities of the sea cucumber *Holothuria glaberrima*. We're pretty sure, however, that he was really into it for the frequent trips to the beach to collect the little critters. After a couple of summer vacations spent in labs on the US mainland (University of Wisconsin – Madison and UCSF) he decided to enroll in NYU's Sackler Institute of Graduate Biomedical Sciences, where he received a Ph.D. in Developmental Genetics for messing around with expensive MRI and ultrasound equipment in order to analyze vascular development in mice. During this time he dabbled in outreach work, traveling back to Puerto Rico to recruit fellow students into NYU's graduate program. In 2011 he started a postdoctoral fellowship in the laboratory of Dr. Matilde Inglese at the Icahn School of Medicine at Mount Sinai using his MRI skillset to characterize animal models of demyelinating diseases. However, his passion for outreach, never waned and in between scanning sessions he kept himself busy organizing social events and conferences for the Mt. Sinai Postdoc Executive Committee. After two and a half years as a postdoc he made the decision to hang up his pipette and joined the outreach team at Faculty of 1000, where he has worked since December 2013. He hopes to further stretch *F1000Research's* reach in North, Central, and South America.



Dr. Disan Davis studied chemistry at Carleton College and then earned her PhD in chemical biology from Rockefeller University for her study of the structure and function of potassium channels. She now teaches chemistry, biology, and physical science at Hunter College High School, aiming to inspire young minds to appreciate



DETAILED PROGRAM cont'd.

science in the world around them. Disan has continued to collaborate with Rockefeller University's Science Outreach Program including creating neuroscience educational materials for high school students and running teacher professional development sessions that draw on her experiences in the lab and the classroom.

Dr. Stephen Uzzo, Chief Scientist for NYSCI does research and development of public programs and experiences on complex science; as well as program development and instruction for pre-service teacher education. He is currently Principal Investigator for *Connected Worlds*, a large-scale immersive digital exhibition on systems thinking and sustainability science being developed NYSCI's landmark Great Hall and *Network Science for the Next Generation* that mentors high school teachers and students in complex network research. His background includes over twenty years professional experience in teaching and learning in STEM and prior to that, ten years in television and computer graphics systems engineering. Dr. Uzzo's research interests include network models for learning, collaboration in free-choice learning environments, and the teaching and learning of data driven science. He holds a terminal degree in network theory and environmental studies from the Union Institute and serves on a number of advisory boards for institutions related to his interests. Having never lived very far from the ocean in New York and California, Dr. Uzzo has also been a lifelong advocate for marine conservation.



Dr. Ben Dubin-Thaler: Seeking to bridge the gap dividing research scientists from students and the general public, Ben bought a 1974 transit bus, converted it into a fully-equipped cell biology research lab complete with digital stereo, fluorescence and electron microscopes. Thus the BioBus was born, and under Ben's guidance has visited over 450 schools, bringing inquiry-based, hands-on science experimentation and mentorship to more than 140,000 students, with over 60% coming from low-income communities.

DETAILED PROGRAM cont'd.

Ben's leadership of Cell Motion Laboratories, the 501(c)(3) non-profit that operates the BioBus, has resulted in the expansion into a permanent community lab space; the BioBase, that provides a place for students to build on their excitement through long-term projects. We're currently seeking both staff and volunteer scientists who are passionate about continuing their research alongside students aboard the BioBus and at the BioBase and inspiring the next generation of scientists.



Ben earned his BA in physics and mathematics and his PhD studying cell biophysics at Columbia University, receiving awards and accolades for both teaching and research while publishing over ten articles and book chapters in the field of cell biophysics.

11:35 – 11:45 **Coffee break**
Hess 2nd floor lobby area

DETAILED PROGRAM cont'd.

11:45 – 12:45 Panel discussion:
Mount Sinai Innovation Partners
Davis Auditorium

SUMMARY: *Mount Sinai Innovation Partners (MSIP)* team will present and discuss their role in facilitating the real-world application and commercialization of Mount Sinai discoveries and the development of research partnerships.

Panelists: **Cherise Bernard, PhD** - *Manager, Special Programs, MSIP*; **Jeanne Farrell, PhD** - *Business Development Director, MSIP*; **Paul R. Matri** - *Senior Contracts and Licensing Manager, MSIP*.

Dr. Cherise Bernard joined Mount Sinai Innovation Partners in 2014 and is responsible for the creation, management and continuous improvement of MSIP's many educational and entrepreneurial initiatives, such as the office's comprehensive internship program, Executive-in-Residence program, Business Advisory Program and Entrepreneurial Hub (eHub). In this role, Cherise is combining her scientific and commercialization expertise as well as her passion for education to inform the Mount Sinai community about the commercialization and startup processes. Cherise hopes to increase and magnify the technology portfolio of Mount Sinai Innovation Partners through the education of MSSM investigators regarding the patentability and commercial potential of their work.



Prior to joining Mount Sinai Innovation Partners, Cherise held positions in technology transfer at The Rockefeller University and Rutgers University where she focused on business development, contract negotiation and compliance. Cherise holds a Ph.D. in Cellular and Molecular Pharmacology where she worked on cell cycle regulation in cancer cells and a Mini-MBA certification focused on BioPharma Innovation, both from Rutgers University. She also holds a Bachelor's of

DETAILED PROGRAM cont'd.

Science in Chemistry from Spelman College in Atlanta, Georgia. Cherise's principal message in career development and advancement is to refuse to box yourself in focus on your true passions combined with your education and experiences, and create a way where there was previously no way carved for you.

Dr. Jeanne Farrell: As Business Development Director at Mount Sinai, Jeanne leads the technology development and commercialization efforts of the cancer portfolio. These assets vary widely and include diagnostics, prognostics, and therapeutics, often at very early stages. She also scouts internally and guides researchers with promising ideas and translational interests on how to drive these ideas towards discovery and positioning for partnering. She has successfully identified, and secured internal gap funding for, advancement of early projects that resulted in partnerships with commercial entities. Jeanne's responsibilities also include education about Mount Sinai's "innovation agenda" and external outreach and alliance management.



Jeanne is a key member of the Mount Sinai Innovation Partners team and has closed a number of oncology-related licensing, sponsored research, and development agreements around pre-clinical technologies. She also holds responsibilities at Mount Sinai on the Conflict of Interest Committee and the IP Policy Committee. Prior to her current position, she was a member of the licensing group at Memorial Sloan Kettering Cancer Center. Jeanne holds a doctoral degree in Pharmacology from Weill Cornell Graduate School of Medical Sciences. She is also a registered patent agent with the USPTO.

DETAILED PROGRAM cont'd.

Paul R. Matri is a Senior Contracts and Licensing Manager at Mount Sinai Innovation Partners and is responsible for transactional aspects of the technology commercialization process. He works collaboratively with the Business Development Team at MSIP in the drafting and negotiation of licenses and industry sponsored research agreements primarily for oncology-centered technologies.



Mr. Matri is also a registered Patent Attorney with nearly a decade of university technology commercialization experience in a broad range of disciplines. He often engages in educational programs with faculty, staff and students in the areas of university technology commercialization practice as well as patent law. In his previous role as Manager of Intellectual Property and Patent Counsel at New Jersey Institute of Technology, Paul oversaw patent strategy and was active in commercialization efforts for the university's entire portfolio, including license negotiations and new company formation.

He earned his J.D. with a concentration in Intellectual Property in 2008 from the Seton Hall School of Law, and his B.S. in Biology/Biochemistry from the University of Richmond in 2004 where he was active in researching microbial population dynamics. In addition to being a registered patent attorney, Mr. Matri is licensed to practice law in the states of New York and New Jersey.

DETAILED PROGRAM cont'd.

12:45 – 1:45

Lunch

Hess 2nd floor lobby area

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1:45 – 2:45 Scientific presentations by Postdocs:
Robin Chemers Neustein Awardees
& Best Publication Awardee
Davis Auditorium

Robin Chemers Neustein Awardees: **Elizabeth Heller, PhD**, with introduction by Professor Yasmin Hurd, Department of Neuroscience; **Leticia Tordesillas, PhD**, with introduction by Dr. Cecilia Berin, Associate Professor, Department of Pediatrics.

Best Publication Awardee: **Arthur Mortha, PhD**, with introduction by Professor Miriam Merad, Department of Oncological Sciences.

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Elizabeth Heller, PhD, Department of Neuroscience

“Targeted epigenetic remodeling for the study of addiction and depression.”

Transcriptional regulation underlies sensitivity to drugs of abuse and stress and is associated with altered expression of several chromatin modifying enzymes in key brain regions. Genome-wide assessments of histone posttranslational modifications (PTMs) in these regions have identified drug and stress regulation at numerous target genes implicated in the associated behavioral abnormalities. However, it has not previously been possible to manipulate the epigenome at a single genomic locus in order to causally link transcriptional regulation and the chromatin state of a particular gene. Engineered transcription factors can be used to direct enzymatic moieties to specific genomic loci. Previous work has demonstrated that cocaine represses expression of the histone H3 lysine9 methyltransferase, G9a, in the mouse nucleus accumbens (NAc), leading to derepression of the *FosB* gene and accumulation of its deltaFosB product, a transcription factor necessary for the expression of reward phenotypes. Levels of

DETAILED PROGRAM cont'd.

H3K9me2 are reduced at the *FosB* gene in both human and mouse NAc following cocaine exposure, as well as increased in the NAc of depressed humans. To determine whether histone methylation at the *FosB* gene alone underlies the behavioral effects of blocking G9a activity in vivo, we have targeted the *FosB* with engineered transcription factors to increase H3K9me2 specifically at the *FosB* promoter in vivo, represses *FosB* expression in vivo, and modulates Δ FosB-dependent behaviors. Engineered transcription factors are thus a novel tool to study the epigenetic regulation of gene expression with single-gene specificity in the context of the entire genome within the brain in vivo.

Elizabeth Heller is currently a neuroscience postdoctoral fellow under the mentorship of Dr. Eric Nestler. She received her PhD in molecular biology from The Rockefeller University and her BA in biology from The University of Pennsylvania. In January, Dr. Heller will join the Pharmacology Department at the University of Pennsylvania as an Assistant Professor, studying the causal role of epigenetic remodeling in neuronal transcription.

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Leticia Tordesillas, PhD, Department of Pediatrics

“Suppression of food-induced anaphylaxis by Treg-mast cell interactions during immunotherapy”

Food allergies are increasing in Western countries and are currently estimated to affect 3-6% of the population. There is no treatment, and the standard of care of allergen avoidance is poorly effective resulting in common accidental exposures and reactions. Oral tolerance is an effective prevention strategy for food allergy, but true tolerance is elusive once allergy has been established. Multiple routes of allergen immunotherapy are currently being investigated for the treatment of food allergies, including epicutaneous immunotherapy (EPIT). We have found

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that antigen applied epicutaneously was presented by PDL2+ dendritic cells, leading to the expansion of a population of antigen-specific LAP+Foxp3- Tregs in the skin-draining lymph nodes. This population of Tregs expressed gut-homing (CCR9) and mucosal-homing (CCR6) markers, in addition to skin-homing markers (CCR4) and they were able to migrate to the mesenteric lymph nodes and small intestine. The induction of LAP+ Tregs during EPIT was associated with protection against food-induced anaphylaxis, without modification of Th2 cytokines, specific immunoglobulins or basophil activation. These LAP+ Tregs were able to suppress directly mast cell activation *in vivo*, as determined by transferring ovalbumin (OVA)-specific LAP+ Tcells into passively sensitized mice and measuring the release of mast cell proteases (MCPT-1 and MCPT-7) after oral challenge with OVA. Furthermore, acute neutralization of TGF- β in EPIT-treated mice reversed the effect of EPIT.

Our data show that EPIT can protect against type-I hypersensitivity responses without upstream modification of humoral or cellular immunity, and our results point towards a direct suppression of mast cells by LAP+ Tregs. Further study of the cross-talk between Tregs and mast cells not only will constitute a major advance in the understanding of how to suppress food allergies but also is fundamental to understand how Tregs suppress innate immunity.

DETAILED PROGRAM cont'd.

Arthur Mortha, PhD, *Department of Oncological Sciences*
“Microbiota-Dependent Crosstalk Between Macrophages and ILC3 Promotes Intestinal Homeostasis”

The intestinal microbiota and tissue-resident myeloid cells promote immune responses that maintain intestinal homeostasis in the host. However, the cellular cues that translate microbial signals into intestinal homeostasis remain unclear. Here, we show that deficient granulocyte-macrophage colony-stimulating factor (GM-CSF) production altered mononuclear phagocyte effector functions and led to reduced regulatory T cell (Treg) numbers and impaired oral tolerance. We observed that RORgammat+ innate lymphoid cells (ILCs) are the primary source of GM-CSF in the gut and that ILC-driven GM-CSF production was dependent on the ability of macrophages to sense microbial signals and produce interleukin-1 β . Our findings reveal that commensal microbes promote a crosstalk between innate myeloid and lymphoid cells that leads to immune homeostasis in the intestine.

DETAILED PROGRAM cont'd.

1:45 – 2:45 Scientific presentations by Postdocs:
Data Blitz
Davis Auditorium

Join us as Mount Sinai postdocs give short presentations to showcase the breadth of research across Icahn School of Medicine at Mount Sinai.

Kelly Brunst, PhD, *Department of Pediatrics*

“Markers of traffic pollution, mitochondrial function and infant behavior”

Lara Manganaro, PhD, *Department of Microbiology*

“HIV and T Memory Stem Cells: a dangerous liaison”

Catherine Pena, PhD, *Department of Neuroscience*

“Early life stress alters gene expression patterns in the mesolimbic dopamine system and enhances susceptibility to depression”

Geneviève Galarneau, PhD, *Institute of Personalized Medicine*

“APOL1 genetic variants are associated with early diagnosis of hypertension and a 2-3 mmHg increase in systolic blood pressure in young African American adults”

Chiara Mariottini, PhD, *Department of Pharmacology and System Therapeutics*

“WT1-mediated suppression of synaptic plasticity preserves long-term memory encoding in hippocampus”

Pinar Ayata, PhD, *Department of Neuroscience*

“Microglia Heterogeneity in Homeostasis”

3:45 – 4:00 **Coffee break**
Hess 2nd floor lobby area

DETAILED PROGRAM cont'd.

4:00 – 4:15 Introduction to Keynote Talk
& Raffle Draw
Davis Auditorium

Merina Varghese, PhD and Ryan J. Cummings, PhD
Co-Chairs of the Postdoc Executive Committee

4:15 – 5:15 Keynote Address:
Professor Gregory A. Petsko
Davis Auditorium

“Postdoc, Ergo Doc? Reexamining the Postdoctoral Experience in the United States: Where Ideality and Reality Diverge.”

In 2000, the Committee on Science, Engineering, and Public Policy of the National Academies produced a report on the state of the postdoctoral training system in response to concerns in the scientific community that the rapid expansion of this type of training had taken place without adequate oversight and resulted in fundamental changes in the nature of the experience for many postdoctoral scholars. Since 2000, the population of postdocs has continued to grow, the percentage of PhDs who enter postdoctoral positions has increased in all disciplines, the average length of time spent in postdoctoral positions has increased, and much of the data needed to fully understand the postdoctoral training system are still not being collected. During the same period, many universities have created offices to oversee postdoctoral affairs, the National Postdoctoral Association was formed, NSF and NIH took steps to address the problems raised in

DETAILED PROGRAM cont'd.

the 2000 report, and the postdoctoral scholars at the University of California system formed a union. In 2010 the National Academies decided that it was time to revisit this topic to determine whether the recommendations made in the 2000 report had been implemented, whether the conditions of postdoctoral training had changed, and whether there was a need to consider further actions to improve the postdoctoral training system. In embarking on this study, we did not examine postdoctoral training in isolation. Although the salaries, benefits, working conditions, mentoring, training, and opportunities for growth within the postdoctoral system are of obvious importance, it is also necessary to assess how well the postdoc system fits in the overall research enterprise. Has the research system become too dependent on postdocs as low-cost labor for research grants? Are postdocs the best people to be doing the work on research grants? Is the number of postdocs in sync with the career opportunities that exist? Is it wiser to broaden postdoc training to make it more useful for a variety of career paths or to encourage PhDs to make career decisions sooner and to explore other routes to careers that do not require postdoctoral training? Does it makes sense to depend on foreign PhDs to fill the majority of postdoc positions? Is the perception that several years of postdoctoral training a mandatory requirement for a research career a disincentive to people pursuing a life in science or engineering? My talk will not only address these questions but will also try to explore the role postdoctoral training should play in the research enterprise and whether there are alternative ways to satisfy some of the research and career development needs that are now being met with postdoctoral training.

DETAILED PROGRAM cont'd.

Gregory A. Petsko is the Arthur J. Mahon Professor of Neurology and Neuroscience at Weill Cornell Medical College in New York City, and also Director of the Helen and Robert Appel Alzheimer's Disease Research Institute. He also holds appointments as Professor of Biomedical Engineering at Cornell University, Adjunct Professor of Neurology at Harvard Medical School, and Tauber Professor of Biochemistry and Chemistry, Emeritus, at Brandeis University. He received his BA from Princeton University, *summa cum laude*, in 1970, and his D. Phil. from Oxford University (which he attended as a Rhodes Scholar) in Molecular Biophysics in 1973. He was Professor of Chemistry at MIT from 1978 until 1990, when he moved to Brandeis University as Gyula and Katica Tauber Professor of Biochemistry and Chemistry, Director of the Rosenstiel Basic Medical Sciences Research Center, and Chair of the Department of Biochemistry. He moved to New York City in April 2012, upon the appointment of his wife, Dr. Laurie Glimcher, as Dean of Weill Cornell Medical College.

His awards include the Siddhu Award and the Martin J. Buerger Award, both from the American Crystallographic Association (35 years apart, for outstanding contributions to X-ray diffraction), the Pfizer Award in Enzyme Chemistry of the American Chemical Society (for development of methods to visualize reaction intermediates in three dimensions at atomic resolution), the Lynen Medal for his pioneering contributions to the study of protein dynamics, and in 1991 the Max Planck Prize, shared with Professor Roger Goody of Heidelberg for their joint work on the molecular origins of some human cancers. He has been elected to the National Academy of Sciences, the Institute of Medicine, the American Academy of Arts and Sciences, and the American Philosophical Society. He has an honorary Doctor of Laws from Dalhousie University. He is Past-President of the American Society for Biochemistry and Molecular Biology and is currently President of the International Union of Biochemistry and Molecular Biology. He is the founder of several publicly-traded biotechnology companies and is one of the founding editors of the PLoS family of journals.

DETAILED PROGRAM cont'd.

His research interests include protein structure and function and the development of methods to treat age-related neurodegenerative diseases, including ALS (Lou Gehrig's), Alzheimer's and Parkinson's diseases.

His public lectures on the aging of the population and its implications for human health have attracted a wide audience on the Internet (one of his TED talks, for example, has been downloaded over 600,000 times). For the past twelve years he has also written a widely-read and much reprinted column on science and society, the first ten years of which have just appeared in book form. He admits, however, that the columns guest-written by his two dogs, Mink and Clifford, are much more popular than those he writes himself.

Besides his family, teaching and his work, he says there are only a few things that he really loves: dogs; hiking through deserts, mountains and rain forests; good writing, and single-malt Scotch. He also states that his greatest accomplishment is, and always will be, the more than 100 graduate students and postdocs that he has helped to train, a list that includes five Howard Hughes Investigators, two members of the National Academy of Sciences, and the second woman ever to head a Max-Planck Institute in Germany.

DETAILED PROGRAM cont'd.

5:15 – 7:15

Networking Reception

Hess 2nd floor lobby area

- ❖ Yana Zorina, PhD
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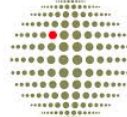
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RAFFLE PRIZES

Pick up raffle tickets at the entrance of Davis auditorium before Panel discussions, Postdoc Awardees Talks and Data Blitz.

Best of luck!

- Your Postdoc Executive Committee

UPCOMING EVENTS

Be sure to check out the following upcoming events.
We hope to see you there!

SINAINnovations

October 27 and October 28

"What Can You Be with a PhD?"

New York Academy of Sciences

October 24 and October 25

RCR Training

RCR training for newly hired postdocs

October 1, October 9, October 16 and October 23

Writing Seminar

Annenberg 25-51

2nd Monday of each month

Upcoming: October 12 and November 9

Career Development Seminar Series

19-79 Conference Room (Annenberg Building)

October 14 and November 11

Writing Group

Hess CSM 10-121

3rd Friday of each month

Upcoming: October 16 and November 20

Postdoc Socials

MC level, Icahn building

Last Friday of each month

Upcoming: September 25, October 30 and November 27

Check out our events calendar for more details and the latest information:

[http://events.mountsinaihealth.org/calendar?event_types\[\]=39656](http://events.mountsinaihealth.org/calendar?event_types[]=39656)

POSTDOC RESOURCES

Check out our website at:

<http://icahn.mssm.edu/education/postdoc>



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Join our Alumni LinkedIn Group
"MSSM Postdoctoral Alumni Network"

Notes

Notes