

12th ANNUAL



NIH CAREER SYMPOSIUM

MAY 10, 2019

NIH NATCHER CONFERENCE CENTER, BETHESDA, MARYLAND

CAREER SYMPOSIUM

NATCHER CONFERENCE CENTER (BUILDING 45)



Lunch options:

The *Natcher Conference Center Cafeteria* is located on Level One.

The *Lister Hill Cafeteria* – located in NIH Building 38A/Lister Hill, across the street – is on Level B-1 (down the lobby stairs and to the left).

NIH CAREER SYMPOSIUM • MAY 10, 2019 • AGENDA AT A GLANCE

SESSION	TIME	SESSION TITLE & LOCATION				
		RUTH L. KIRSCHSTEIN AUDITORIUM	BALCONIES	ROOM A/B <i>Overflow seating in Room C</i>	ROOM E1/E2 <i>Overflow seating in Room G</i>	
Registration	7:30 am–8:30 am	LOWER LEVEL LOBBY				
Welcome	8:45 am	AUDITORIUM Welcome and the Top Tips for Using the Career Symposium for Career Success				
SESSION 1	9:00 am–10:00 am	Industry Overview	Careers in Science Administration	The US Academic System Overview	Career Options for Clinicians	
Break	10:00 am–10:15 am • <i>LinkedIn Photo Booth available in Room H</i>					
SESSION 2	10:15 am–11:15 am	Industry: Discovery Phase R&D	Careers in Investment & Consulting	Transition from Postdoc to Faculty	Careers in Science Education & Outreach	
Break	11:15 am–11:30 am • <i>LinkedIn Photo Booth available in Room H</i>					
SESSION 3	11:30 am–12:30 pm	Industry: Development Phase R&D	Technology Transfer & Patent Careers	How to Maintain Success in Academia	Careers in Science Policy & Advocacy	
Lunch	12:30 pm–1:30 pm <i>Lunch on your own • LinkedIn Photo Booth available in Room H</i>					
SESSION 4	1:30 pm–2:30 pm	Non-bench Industry Careers	Careers in Data Science & Healthcare IT Services	Teaching Intensive Faculty Careers	Careers in Science Communication	
Break	2:30 pm–2:45 pm					
SKILL BLITZES	TIME	AUDITORIUM	BALCONIES	ROOM A/B <i>Overflow seating in Room C</i>	ROOM E1/E2 <i>Overflow seating in Room G</i>	ROOM F
	2:45 pm–3:05 pm <i>20 min</i>	Interviewing	Understanding the US Academic System	Stress Management for Scientists	Networking & Informational Interviews	The Stadtman Search
	3:10 pm–3:30 pm <i>20 min</i>	Unraveling the Myths of Industry	Academic Chalk Talks	Negotiating Your Job Offer	Exit Strategies & Preparing to Leave	Finding a Postdoc
	3:35 pm–4:15 pm <i>40 min</i>	CV/Résumés and Cover Letters	Find the Career for You		Feedback Resilience for Scientists	

SESSION DESCRIPTIONS: INDUSTRY PANELS

INDUSTRY R&D OVERVIEW

Session 1 • 9:00-10:00am • Auditorium

Do you dream of working in industry? Are you interested in learning about the different sectors in industry to discover where your skill set fits? Are you curious about the long-term strategies that will help you find success and thrive in industry? If you are asking all these questions, this overview panel is here to help. Panelists will highlight major career branches and sectors in industry to give you a taste of the different opportunities available for you. You will not only hear about product discovery and development phases (R&D), but also industry career progression and non-research careers in industry.

Todd Davidson, PhD
Scientist II, MedImmune

Adam Fogel, PhD
Senior Scientist, Scholar Rock

Shari Gordon, PhD
Scientific Leader, ViiV Healthcare

Liat Izhak, PhD
Director, Biomarker and Clinical Scientist, Johnson & Johnson

Sandeep Kumar, PhD
Senior Resesarch Fellow – Biotherapeutics, Boehringer Ingelheim Pharmaceutical Inc. USA

INDUSTRY: DISCOVERY PHASE R&D

Session 2 • 10:15-11:15am • Auditorium

The scientists on this panel continue to engage in experimental research, discovering potential therapeutic targets for development by pharmaceutical companies. The panelists will discuss a variety of opportunities available in the drug discovery phase, how research in industry differs from academia, and how to make a smooth transition to industry. They will share their path to their current positions and key skills that helped them succeed, as well as how to thrive in the fast-paced environment of industry.

Marc Bailly, PhD
Associate Principal Scientist, Merck Pharmaceuticals

Kim Decker, PhD
Chief Scientific Officer, Cell Systems

John Eicher, PhD
Senior Scientist, Merck Research Laboratory

Arielle Glatman Zaretsky, PhD
Scientist, Regeneron

Christina Oliverias, PhD
Sr. Research Associate, Product Development, PGDx

INDUSTRY: DEVELOPMENT PHASE R&D

Session 3 • 11:30am-12:30pm • Auditorium

Once potential therapeutics have been identified, scientists at pharmaceutical companies must bring a new drug to the market. Helping these drugs reach the patients who need them, a journey from preclinical research to clinical testing, can be an arduous yet rewarding feat. Panelists will discuss their roles in the bench-to-bedside transition in addition to the unique working environment common to these endeavors.

Tura Camilli, PhD
Director Regulatory Affairs, Amgen

Sujoy Lahiri, PhD
Scientist III, R&D Cell Biology, Thermo Fisher Scientific

Vijay More, PhD
Scientist II Non-Clinical Development, Celgene

William Proctor, PhD
Associate Director/Senior Scientist, Genentech, Inc.

Speaker biographies, skill blitz slides and additional career symposium resources:
https://www.training.nih.gov/nih_career_symposium

NON-BENCH INDUSTRY CAREERS

Session 4 • 1:30-2:30pm • Auditorium

Should I stay (at the bench) or should I go? What does a career away from the bench look like? What are non-bench career options in industry? These are common questions among trainees in the life sciences. This panel aims to introduce opportunities in the fields of sales and marketing, patient outreach, medical science liaison, quality control, and project management. The panelists will discuss the diverse non-R&D positions available in different industries as well as how to leverage scientific training during the job search process.

Fatima Jones, PhD
Senior Study Director, Laboratory Specialist, Westat
Elayne Provost, PhD
Bioscience Sales Specialist, Nikon Instruments, Inc.
Benoit Renvoise, PhD
Global Project Manager II, Roche
Lorraine Tracey, PhD
Medical Science Liasion, Kiadis Pharma

CAREERS AWAY FROM THE BENCH

CAREERS IN SCIENCE ADMINISTRATION

Session 1 • 9:00-10:00am • Balconies

Science relies on administrators to manage programs to keep research running. Panelists manage fellowships, grants, regulatory affairs, academic programs and other programs in government, nonprofit and academic institutions. They will discuss the skills needed to take on an administrative role and the impact their daily jobs have on shaping science.

Juan Crespo-Barreto, PhD
Toxicologist, FDA/CTP
Dario Dieguez, Jr., PhD
Science Officer, Congressionally Directed Medical Research Programs
Lucie Low, PhD
Scientific Program Manager, NIH/NCATS
Julie Nadel, PhD
Senior Program Manager, Johns Hopkins University

CAREERS IN INVESTMENT AND CONSULTING

Session 2 • 10:15-11:15am • Balconies

A career in consulting provides PhD-level scientists the opportunity to solve interesting and complex problems for a multitude of clients in the private, academic, and government sectors. Consultants can work in both multidisciplinary and highly specialized teams in many different environments - from large, global firms to small, local start-ups. The speakers in this panel will share their experiences about transitioning to a consulting career and discuss the skills necessary to succeed in this field.

James Hawkins, PhD
Managing Director, FOCUS Investment Banking
Kim Myers, PhD
Principal, Deloitte Consulting LLP
Shane Trask, PhD
Lead Data Analytics Engineer, The MITRE Corporation
Felix Yu, PhD
Senior Consultant, Booz Allen Hamilton

CAREERS AWAY FROM THE BENCH

CAREERS IN SCIENCE AND EDUCATION OUTREACH

Session 2 • 10:15-11:15am • Room E1/E2 *(overflow seating in Room G)*

Science education involves many opportunities both in and outside of the classroom. Professionals in this field promote scientific literacy to advance research and to inspire future generations. Panelists will share their thoughts on how the public is informed about scientific advances and the roles within their organizations that support this goal.

Patrick Killion, PhD

*Director of Discovery-Based Learning,
University of Maryland College Park*

Suzana Markolovic, PhD

*Chemistry Teacher/Assistant Cross Country and
Track & Field Coach, Blair Academy*

Natalie Stringer, PhD

*Director of Content Development and Resident Professor,
LabArchives, LLC*

TECHNOLOGY TRANSFER AND PATENT CAREERS

Session 3 • 11:30am-12:30pm • Balconies

Technology transfer and patents provide scientists with career opportunities in academia, government, and the private sector. Professionals in these fields identify opportunities for the commercialization of research, evaluate new technology for licensing potential, develop patent applications, and work with inventors to negotiate licensing or collaboration agreements as well as intellectual property documents. Panelists will discuss the differences between technology transfer and patent management and how to be competitive for these fields.

Medhanit Bahta, PhD

Patent Examiner, US Patent and Trademark Office

Rui Jacques, PhD

*Patent Agent,
Mintz, Levin, Cohn, Ferris, Glovsky and Popeo, P.C.*

Matthew Howe, PhD

Licensing Analyst, North Carolina State University

Laura Prestia, PhD

Invention Development & Marketing Specialist, NIH/NCI

CAREERS IN SCIENCE POLICY AND ADVOCACY

Session 3 • 11:30am-12:30pm • Room E1/E2 *(overflow seating in Room G)*

Policy and advocacy are necessary cornerstones for growth and development in science. Scientists in this field provide evaluations on existing and proposed regulations and policies that impact every aspect of the scientific community, including allocation of resources and navigation of public scientific issues. The panelists in this section will discuss exciting opportunities in science policy and advocacy at the federal and private level. They will also discuss what training opportunities are available for scientists, and what it takes to prepare for a career in this field.

Tara Burke, PhD

*Senior Director of Public Policy & Advocacy,
Association for Molecular Pathology*

Rasika Kalamegham, PhD

*Group Director, US Regulatory Policy,
Genentech, A member of the Roche Group*

Meghan Mott, PhD

*Brookings Fellow Senate Committee on Health,
Education, Labor and Pensions (HELP)*

Estevan Santana, PhD

Director, Science and Regulatory Advocacy, PhRMA

Speaker biographies, skill blitz slides and additional career symposium resources:
https://www.training.nih.gov/nih_career_symposium

CAREERS IN DATA SCIENCE AND HEALTHCARE IT SERVICES

Session 4 • 1:30-2:30pm • Balconies

Big data is a rapidly growing area that broadly involves the collection and analysis of data sets that are so large, they are difficult to process using on-hand database management tools or traditional data processing applications. Examples include large scale analysis of genomics, metagenomics, proteomics, metabolomics, climate data (for modeling climate change), epidemiological data (for modeling outbreaks), medical records (assessing links between treatment and outcome), and many others. With the increasing ease and decreasing cost of accumulating terabytes of data, this field is poised to explode in the near future.

This session will provide insights into big data careers for scientists.

Rebecca Goodwin, PhD
Policy Analyst & Open Science Specialist, NIH/NLM
Jaleal Sanjak, PhD
Principal Technical Specialist, Gryphon Scientific
Maryna Taranova, PhD
Principal Data Scientist, Roche
Sydeaka Watson, PhD
Owner/Founder; Principal Data Scientist, Korelasi Data Insights, LLC

CAREERS IN SCIENCE COMMUNICATION

Session 4 • 1:30-2:30pm • Room E1/E2 (overflow seating in Room G)

Communication is a skill vital to any scientific career. Professionals in science communication take this component to the next level with diverse scientific knowledge and their specialized expertise. Science writers and editors present cutting-edge research and technologies to diverse audiences. How they relate new developments can influence science policy, education, advocacy, and regulation. These panelists will discuss how to leverage your training to become a professional communicator.

Laura Helft, PhD
Managing Science Editor, Cornell Lab of Ornithology
Yevgeniya Nusinovich, PhD
Senior Editor, Science Translational Medicine
Tien Nguyen
Science journalist, Freelance
Jeanelle Spencer, PhD
Senior Medical Writer, Ashfield Healthcare

ACADEMIC PANELS

THE US ACADEMIC SYSTEM OVERVIEW

Session 1 • 9:00-10:00am • Room A/B (overflow seating in Room C)

Explore the breadth of faculty positions available, each leveraging different communication strengths, research commitments, and teaching philosophies to sow science literacy and discovery in a variety of settings. Panelists will range from teaching-intensive to research-focused institutions. After this session, attendees will be acquainted with the higher education system in the United States.

Rebecca Lynch, PhD
Assistant Professor, George Washington University Medical School
Masfique Mehedi, PhD
Assistant Professor, University of North Dakota
Kristen Porter, PhD
Assistant Professor, Westfield State University
Evan Snitkin, PhD
Assistant Professor, University of Michigan

TRANSITION FROM POSTDOC TO FACULTY

Session 2 • 10:15-11:15am • Room A/B (overflow seating in Room C)

Knowing what it takes to make the transition from trainee to independent faculty member will help you envision the best path for your burgeoning research program. Faculty from research-intensive institutions will share their strategies and experiences on interviewing and balancing new responsibilities while continuing to be a successful researcher.

Shaun Brinsmade, PhD

Assistant Professor, Georgetown University

Tracy Clement, PhD

Assistant Professor, Texas A&M University College of Veterinary Medicine & Biomedical Sciences

Prakash Srinivasan, PhD

Assistant Professor, Johns Hopkins University

Anna Sundborger-Lunna, PhD, MSc

Assistant Professor, University of Minnesota

HOW TO MAINTAIN SUCCESS IN ACADEMIA

Session 3 • 11:30am-12:30pm • Room A/B (overflow seating in Room C)

Faculty distinguished in their career will share what they have learned from their journeys in academia. From mentoring and research to the tenure process, panelists will offer insight into adapting to new obstacles and tips for a fulfilling career as a primary investigator.

Zandrea Ambrose, PhD

Associate Professor, University of Pittsburgh School of Medicine

Jonathan D. Dinman, PhD

Department Chair, University of Maryland, Department of Cell Biology and Molecular Genetics

Venigalla Rao, PhD

Department Chair; Professor, Catholic University of America, The Center for Advanced Training in Cell & Molecular Biology

TEACHING INTENSIVE FACULTY CAREERS

Session 4 • 1:30-2:30pm • Room A/B (overflow seating in Room C)

Faculty and lecturers in teaching-focused higher education institutions will share their experiences about teaching and the paths they followed to get there. They will discuss what it means to teach at different types of institutions and talk about the challenges and rewards of this career choice.

Jacquelyn Cole, PhD

Assistant Professor of Chemistry, tenure track, American University

Rahman Monzur, PhD

Part time Faculty/Data Manager, Montgomery College

Nadeene Riddick, PhD

Professorial Lecturer, American University

Speaker biographies, skill blitz slides and additional career symposium resources:
https://www.training.nih.gov/nih_career_symposium

CAREER OPTIONS FOR CLINICIANS

Session 1 • 9:00-10:00am • Room E1/E2 (overflow seating in Room G)

Physicians play an important role in advancing science and improving public health not only by practicing medicine and conducting translational research but also by performing other jobs away from the bedside or bench. A wide variety of career options are available for medical doctors in different sectors including academia, industry, government, and nonprofits. Panelists in this session will discuss their experiences and the career paths available to clinicians.

Ovidiu Galescu, MD

Medical Officer, FDA/CDER

Kenneth Remy, MD

Assistant Professor, Washington University in St. Louis

Nina Schor, MD, PhD

Deputy Director, NIH/NINDS

Danielle Townsley, MD, MSc

Director, Oncology, Clinical Development, AstraZeneca MedImmune

SESSION 5: SKILL BLITZES

These short sessions are designed to give you an overview of the skills required to launch a successful job search. These will be a fast-paced, fun way to end the day. The first two sessions will be limited to twenty minutes with a five-minute break between sessions. Speakers, who are our very own OITE staff and the scientific leadership of the NIH, will give you the highlights of the topics, with information about additional resources. Choose three sessions from the following offerings:

TIME	AUDITORIUM	BALCONIES	ROOM A/B <i>Overflow seating in Room C</i>	ROOM E1/E2 <i>Overflow seating in Room G</i>	ROOM F
Skills Session 1 2:45 pm–3:05 pm <i>20 min in length</i>	Interviewing This session will help you to navigate the interview process. We will discuss common interview questions and how to succeed using the Situation-Action-Response method.	Understanding the US Academic System Academic institutions come in a variety of sizes and flavors. This session will define the spectrum of academic institutions according to their research and salary support, teaching and research expectations, tenure requirements, and student body composition.	Stress Management for Scientists Combining research, job-searches, and life do not always seem to be easy for scientists. Come learn some stress management strategies to enhance your well-being.	Networking and Informational Interviews Find out how to expand and maintain with your network. This session will also explore using social media to advance your job search.	The Stadtman Search Come learn about the NIH Intramural Research's program: Earl Stadtman Tenure-Track Investigator Recruitment.
Skills Session 2 3:10 pm–3:30 pm <i>20 min in length</i>	Unraveling the Myths of Industry This session will debunk common questions associated with industry such as: can you return to academia, do you have intellectual freedom, do you do good science, and can your project be taken away from you?	Academic Chalk Talks Learn to give an outstanding chalk talk for faculty positions. Learn important elements to be included, how to structure your talk for your audience, and how to avoid common mistakes.	Negotiating Your Job Offer What and how do you negotiate the various parts of your job package. This session is focused on non-academic positions.	Exit Strategies and Preparing to Leave This session will give you strategies to talk to your boss about your career plans and also how to prepare for a successful launch to your new career.	Finding a Postdoc This session is for graduate students pondering a postdoc. We will highlight what to look for in a postdoc, deciding if you need a postdoc, how to apply, and more. We will also discuss how to get a postdoc at the NIH intramural research program.

SESSION 5: SKILL BLITZES CONTINUED

Skills Session 3	AUDITORIUM	BALCONIES	ROOM E1/E2 <i>Overflow seating in Room G</i>
3:35 pm– 4:15 pm <i>40 min in length</i>	CV/Résumés and Cover Letters These important job search documents are your first chance to make an impression on potential employers. This session will cover the general structure of these documents, how to highlight transferable skills, and how to fill gaps in your experience by gaining additional skills while in grad school/postdoc.	Find the Career for You Your dream job does exist! You heard about many different positions today, and perhaps are narrowing down your career choice. This session will help you map out a plan to determine how your skills, interests and values can lead you to your perfect job.	Feedback Resilience for Scientists Being resilient around feedback is a critical skill to learn. Learn how your responses to feedback influence your ability to succeed in your career.

SYMPOSIUM ORGANIZERS

SYMPOSIUM PLANNING COMMITTEE

Lori Conlan, PhD (OD), Chair
 Sharolyn Kawakami-Schulz, PhD (OD), Co-Chair
 Jacqueline Newell-Hunt, MBA (OD)
 Supreet Agarwal, PhD (NCI)
 Andrea Simone Baechler, PhD (NCI)
 Allison Dennis (NICHHD)
 Eric Gonzalez, PhD (NCATS)
 Xin Huang, PhD (NHGRI)
 Rafique Islam, PhD (NIDDK)
 Sunan Li, PhD (NINDS)
 Mariana Mandler, PhD (NCI)
 Caitlin Mencio, PhD (NHLBI)

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 Lampouguin Yenkoidiok Douti, (NIAID)
 Tiffany Zarrella, PhD (NCI)

OFFICE OF INTRAMURAL TRAINING & EDUCATION (OITE)

The Office of Intramural Training & Education (OITE), in the Office of the Director, is home to more than 6000 trainees at NIH, including clinical fellows, postdoctoral fellows, graduate students, postbaccalaureate fellows, summer interns and many others. Along with the NIH Institutes and Centers, the OITE works to recruit a diverse group of trainees to NIH campuses and strives to create a training environment that fosters innovative and productive research and enables trainees to develop advanced communication and collaboration skills early in their scientific career.

build your career, shape the future



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