

18th Annual NIEHS Biomedical Career Symposium

EPA Campus, Research Triangle Park, NC – Friday, April 24, 2015

Presented By:



Agenda at a Glance

7:45-8:45	Registration and CV/Resume Review Sign up (Building C Rotunda) Snacks & Juice (B Atrium; Hot tea and Coffee (\$1.50) available in the EPA Cafeteria)
8:45-9:00	Welcome and Opening Remarks (C111-ABC) William Schrader, Ph.D., Deputy Scientific Director, NIEHS Annie Jarabek , Ph.D., Deputy Director for the Human Health Risk Assessment Program, US EPA <i>Samantha Hoopes</i> Ph.D., Co-Chair, NIEHS Career Fair Committee
9:00-10:00	Keynote Address (C111-ABC) – Melanie Sinche 'But I Have No Skills!' Debunking Myths and Exploring Career Options for PhDs
10:00-10:20	Morning Break
10:20-11:20	Session I – Career Panels (1 hour concurrent sessions) A. Writing/Communication (C111-C) B. Medical Science Liaison/Field Application Specialist (C114) Session I – Workshops (1 hour concurrent sessions) A. Untrain Your Brain: Achieving Synergy Between Personal and Professional Interests (C113) <i>Ashalla Freeman</i> B. How to Get That First Job (C111-A-B) <i>Pat Phelps</i> C. Networking: A Tool for Exploring Careers & Building Professional Relationships (C112) <i>Dara Wilson-Grant</i> CV/ Résumé Consultation Session I (Cafeteria) – 10:20-11:50
11:20-12:25	Informal Networking Lunch (Cafeteria – Additional space in B Atrium and Building C Rotunda) Visit Company Exhibits (B Atrium) 11am-4pm
12:30-1:30	Session II – Career Panels (1 hour concurrent sessions) A. Running Your Own Lab (C114) B. Industry (C111-C) Session II – Workshops (1 hour concurrent sessions) A. Local Resources for Identifying Career Opportunities (C111-A-B) <i>Susan Lankford</i> B. Leadership and You: Balancing Strengths and Challenges (C113) <i>Diane Klotz</i> CV/ Résumé Consultation Session II (Cafeteria) – 12:45-1:45 Visit Company Exhibits (B Atrium)
1:45-2:45	Session III – Career Panels (1 hour concurrent sessions) A. Consulting (C111-C) B. Teaching (C112) Session III – Workshops (1 hour concurrent sessions) A. Negotiating Non-Academic Job Offers (C111-A-B) <i>Lori Conlan</i> B. How to Develop the Skills Needed for Careers in Science Outreach and Program Administration (C113) <i>Patrick Brandt</i> C. Managing Your Research Career Using an Individual Development Plan (IDP) (C114) <i>Dara Wilson-Grant</i> CV/ Résumé Consultation Session III (Cafeteria) - 1:45-2:45 Visit Company Exhibits (B Atrium)
2:45-3:50	Afternoon Reception – Networking and Exhibition Browsing (B Atrium)
4:00-5:00	Session IV – Career Panels (1 hour concurrent sessions) A. Contract Research Organization (C111-C) B. Scientific Review Officer/Grants Management (C114) Session IV – Workshops (1 hour concurrent sessions) A. Leveraging LinkedIn for Expertise Development and Career Opportunities (C111-A-B) <i>William Blackmon</i> B. Starting Your Own Lab (C113) <i>Sharon Milgram</i> CV/ Résumé Consultation Session IV (Cafeteria) 4:00-5:00

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Detailed Agenda

7:45-8:45 Registration and CV/Resume Review Sign up (Building C Rotunda)

Morning Snacks/Juice (*B Atrium; Full breakfast and coffee available for purchase in the EPA Cafeteria*)

8:45-9:00 Welcome and Opening Remarks (C111-ABC)

William Schrader, Ph.D. *Deputy Scientific Director, NIEHS*

Annie Jarabek, Ph.D. *National Center for Environmental Assessment and Deputy Director for the Human Health Risk Assessment Program, US EPA*

Samantha Hoopes Ph.D. *Co-Chair, NIEHS Career Symposium Committee*

9:00-10:00 Keynote Address (C111-ABC) pg. 30

'But I Have No Skills!' Debunking Myths and Exploring Career Options for Ph.D.s

Melanie Sinche, NCC, M.Ed., M.A. *Senior Research, Associate in the Labor and Worklife Program, Harvard Law School*

10:00-10:20 Morning Break

10:20-11:20 Session I

Career Panels (1-hour concurrent Sessions)

A. Writing and Communication (C111-C) pg. 32

[Megan Kendellen, Ph.D.]

[Robin Arnette, Ph.D.]

[Sarah Mudrak, Ph.D.]

[Medical Writer, Quintiles]

[Science Writer, Editor, NIEHS]

[Product Management, Director, Research Square]

B. Medical Science Liaison/Field Application Specialist (C114) pg. 34

[Manasa Gudheti, Ph.D.]

[Sales Application Scientist, Bruker]

[Michael Markowitz, MD, MSPH, MBA]

*[Medical Director, UCB
Biosciences, Inc.]*

[Melanie Jardim, Ph.D.]

*[Medical Science Liaison, United
Therapeutics]*

Workshops (1-hour concurrent sessions)

A. Untrain Your Brain: Achieving Synergy Between Personal and Professional Interests (C113) pg. 36

Ashalla Freeman, Ph.D.

*Director of Diversity Affairs and the
Initiative for Maximizing Student
Diversity, Office of Graduate
Education, Science Training, UNC*

B. How to Get That First Job (C111-A-B) pg. 37

Pat Phelps, Ph.D.

Founder, CEO, Geeks-N-Taps

C. Networking: A Tool for Exploring Careers & Building Professional Relationships (C112) pg. 38

Dara Wilson-Grant, MS.Ed, NCC, LPC

*Associate Director, Career
Counselor, Office of Postdoctoral
Affairs, UNC & Owner, Consultant,
Careers in Bloom*

CV/ Résumé Consultation Session I (Cafeteria) – 10:20-11:50 pg. 20

11:20-12:25 Informal Networking Lunch (Cafeteria – Additional space in B Atrium and Building C Rotunda) pg. 29

Visit Company Exhibits (B Atrium) 11:00-4:00

12:30-1:30 Session II

Career Panels (1-hour concurrent Sessions)

A. Running Your Own Lab (C114) pg. 39

[Chris Wingard, Ph.D.]

[Professor of Physiology, ECU]

[Barbara Sherry, Ph.D.]

[Professor of Virology, NCSU]

[Mike Boyle, Ph.D., DVM, DACVP, DABT]

[Principal Pathologist, Amgen]

B. Industry (C111-C) pg. 41

[Jonathan Ciencewicky, Ph.D.]
[Katoria Tatum-Gibbs, Ph.D.]
[Jeffrey Harris, Ph.D.]
[Maria Stauffer]

[Research Scientist, Grifols, Inc.]
[Agric. Research Chemist II, BASF]
[Senior Scientist, Celgene]
[Bayer, Cropscience, Group Leader]

Workshops (1-hour concurrent sessions)

A. Local Resources for Identifying Career Opportunities (C111-A-B) pg.43

Susan Lankford, Ph.D.

*Program Analyst, Science and
Technology Development, NC
Biotechnology Center*

B. Leadership and You: Balancing Strengths and Challenges (C113) pg. 44

Diane Klotz, Ph.D.

*Director, Office of Training and
Academic Services, Sanford-
Burnham Research Institute*

CV/ Résumé Consultation Session II (Cafeteria) – 12:45-1:45 pm

Visit Company Exhibits (*B Atrium*) 11:00-4:00

1:45-2:45 Session III

Career Panels (1- hour concurrent sessions)

A. Consulting (C111-C) pg. 46

[Daryl Spinner, Ph.D., MBA]
[Nicole Connelly, Ph.D.]
[Barmak Modrek, Ph.D., MBA]

*[Principal Life Scientist Consultant,
Quintiles]*
[Director at Quintiles]
*[Bioinformatics Software
Development, GE Healthcare]*

B. Teaching (C112) pg. 48

[Lisa Bonner, Ph.D.]
[Maria Gallardo-Williams, Ph.D.]
[Lorriane Cramer, Ph.D.]

*[Professor, William Peace
University]*
*[Teaching Associate Professor,
NCSU]*
[Lecturer, Faculty Member, UNC]

Workshops (1- hour concurrent sessions)

A. Negotiating Non-Academic Jobs (C111-A-B) pg. 50

Lori Conlan, Ph.D.

Director, Office of Postdoctoral Services, NIH/OITE

B. How to Develop the Skills Needed for Careers in Science Outreach and Program Administration (C113) pg. 51

Patrick Brandt, Ph.D.

Director, Career Development and Training, UNC

C. Managing Your Research Career Using an Individual Development Plan (IDP) (C114) pg. 53

Dara Wilson-Grant, MS.Ed, NCC, LPC

Associate Director, Career Counselor, Office of Postdoctoral Affairs, UNC; Owner, Consultant, Careers in Bloom

CV/ Résumé Consultation Session III (Cafeteria) 1:45-2:45 pm

Visit Company Exhibits (B Atrium) 11:00-4:00

2:45-3:50 Afternoon Reception – Networking and Exhibition Browsing (B Atrium)

4:00-5:00 Session IV

Career Panels (1- hour concurrent sessions)

A. Contract Research Organizations (C111-C) pg. 54

[Anne Lai, Ph.D.]

[Erica Troksa, Ph.D.]

[Stacy Millon, Ph.D.]

[Res. Scientist, Expression Analysis]

[Staff Scientist I, Covance, Inc.]

[Sr. Clinical Analytics and Simulations Lead, Quintiles]

B. Scientific Review Officer/Grants Management (C114) pg. 56

[Erin Hopper, Ph.D.]

[Jonathan Hollander, Ph.D.]

[Research Director, Office of Research and Graduate Education, UNC]

[Program Director, DERT/NIEHS/NIH]

[Janice Allen, Ph.D.]

*[Scientific Review Officer, NIEHS,
DERT]*

[Mike Humble, Ph.D.]

[Program Director, NIEHS, DERT]

Workshops (1- hour concurrent sessions)

**A. Leveraging LinkedIn for Expertise Development and Career Opportunities
(C111-A-B) pg. 58**

William Blackmon

*Founder, CEO, Apogee Social Media
Group*

B. Starting Your Own Lab (C113) pg. 59

Sharon Milgram, Ph.D.

*Director, Office of Intramural Training
and Education, NIH*

CV/ Résumé Consultation Session IV (Cafeteria) 4:00-5:00 pm



National Institute of
Environmental Health Sciences
P. O. Box 12233
Research Triangle Park, NC 27709

April 24, 2015

Dear Career Symposium Participants:

On behalf of the NIEHS and its Division of Intramural Research, I welcome you to the 18th Annual NIEHS Biomedical Career Symposium.

This event provides postdoctoral fellows and graduate students an outstanding opportunity to explore a remarkably wide range of traditional and non-traditional career paths, and to begin to develop the contact networks that are essential for a career in the biomedical sciences. For many of you, the decisions that you make over the next few years will shape your lives as scientists for decades to come. A better understanding of the various options that are available to you and what it takes to pursue specific career paths is essential for making informed decisions. I suggest you take full advantage of the panels and workshops today, and use the networking opportunities to establish connections that may lead to opportunities for you as you begin your job search.

Enjoy the day, profit from your time here, and best of luck in your future endeavors.

Sincerely,

A handwritten signature in black ink that reads "Darryl C. Zeldin, M.D." with a stylized flourish at the end.

Darryl C. Zeldin, M.D.

Scientific Director



National Institute of
Environmental Health Sciences
P. O. Box 12233
Research Triangle Park, NC 27709

April 24, 2015

Dear Career Symposium Participants:

Welcome to the 18th Annual NIEHS Biomedical Career Symposium! The NIEHS Trainees' Assembly Steering Committee, Career Symposium Committee, and EPA postdoc community have once again organized a day devoted to providing you with an opportunity to investigate the many different career paths available to you as a young biomedical scientist.

The NIEHS, one of 27 Institutes and Centers that make up the National Institutes of Health, is dedicated to the mission of discovering how the environment affects people in order to promote healthier lives. As such, the NIEHS aims to provide global leadership for innovative research that improves public health by preventing disease and disability, and is thus committed to training the next generation of environmental health scientists and professionals. Acting on this commitment, NIEHS strives to not only foster high-quality scientific training, but to also provide a wide range of educational and career development opportunities so that each fellow may excel in his/her chosen career path. By consistently facilitating exchange of information on a wide variety of careers, NIEHS has established itself as a staunch supporter of the local scientific trainee community through its continued support the Biomedical Career Symposium.

I hope you will take full advantage of the program organized for you today by the enthusiastic members of our Career Symposium Committee. Use this opportunity to investigate the wide variety of career paths that are available to you, and challenge yourself to learn something new. Actively participate in the workshops and learn from seasoned professionals who have helped many individuals during their job search. Visit a CV/Resume consultant to learn how to best present yourself to an employer. Begin building upon and expanding your network, all the while recognizing that "give and take" is an essential component of a successful networking relationship. Finally, reflect on your experience after you leave today, and challenge yourself to develop and commit to an individual plan for transitioning into a rewarding career!

Best wishes,

A handwritten signature in black ink, appearing to read "Tammy R. L. Collins".

Tammy R. L. Collins, Ph.D.
Director, NIEHS Office of Fellows' Career Development [C]
National Institute of
Environmental Health Sciences
P. O. Box 12233
Research Triangle Park, NC 27709



April 24, 2015

Dear Attendees,

On behalf of the entire planning committee, we welcome you to the 18th Annual NIEHS Biomedical Career Symposium. This is a grand tradition at NIEHS that strives to provide an opportunity for you to explore a myriad of job choices and to create a professional network as you plan for your future careers in the biomedical sciences. It is our honor to have this year's Keynote Address delivered by Melanie Sinche, Senior Research Associate in the Labor and Worklife Program housed in the Harvard Law School. Her speech, entitled "But I Have No Skills! Debunking Myths and Exploring Career Options for PhDs" highlights how your skills gained during graduate and postdoctoral training can be applicable to various careers. We hope that today's event inspires each of you to recognize your own unique value and to be your best advocate for the career path you are working toward.

This year's Career Symposium will showcase the variety of career paths available to biomedical PhDs and emphasize that there is no single career path that suits everyone. Today there are highly interactive panel discussions that feature scientists who have successfully navigated dynamic career paths in many different aspects of the biomedical sciences. Each panelist brings their unique perspective from diverse scientific and business backgrounds. We hope their stories and insight will inspire you in the next step along your own career path.

Today's workshops cover a variety of topics that will help you in developing your own skills, identifying career opportunities as well as the skills needed for those positions, getting that first job, negotiating job offers, and balancing your personal and professional interests. Again this year, we have brought back the very popular one-on-one CV/Résumé Consultations that take place throughout the day - be sure to sign up for an appointment!

We are pleased to be hosting an informal networking lunch and an afternoon networking reception to give you the opportunity to interact with panelists, workshop leaders, other attendees, and exhibitors. We encourage you to take advantage of these opportunities for information on career paths and positions in different sectors and, most importantly, to expand your professional network!

We are honored to have you be a part of this year's Career Symposium and hope that you leave today with excitement and a positive outlook for your future career.

Sincerely,

Samantha Hoopes, Ph.D. and Kirsten Verhein, Ph.D.
Co-Chairs, 18th Annual NIEHS Biomedical Career Symposium

Sponsors

National Institute of Environmental Health Sciences (NIEHS)



National Institute of Environmental Health Sciences
Your Environment. Your Health.

111 T.W. Alexander Drive

Research Triangle Park, North Carolina 27709

NIEHS Website

Human health and human disease result from three interactive elements: environmental factors, individual susceptibility and age. The mission of the National Institute of Environmental Health Sciences (NIEHS) is to discover how the environment affects people in order to promote healthier lives. Achieving this mission depends on a set of core values that apply to all activities of the Institute: research excellence (innovation; discovery of new scientific knowledge and technology); management excellence; and community outreach, education, and involvement.

At the NIEHS, we engage in a special form of public service – producing scientific knowledge that promotes individual and public health. Our institute is uniquely positioned to help prevent disease and transform new scientific knowledge into improvements in human health.



U.S. Department of Health and Human Services
National Institutes of Health
National Institute of Environmental Health Sciences

Sponsors



Environmental Protection Agency (EPA): Working Together for a Cleaner Environment

The Environmental Protection Agency's campus in Research Triangle Park, North Carolina is home to one of the world's largest groups of scientists, engineers, policy makers and administrators dedicated to understanding and solving environmental problems.

The mission of the Environmental Protection Agency is to protect human health and the environment. Since 1970, EPA has been working for a cleaner, healthier environment for the American people. EPA leads the nation's environmental science, research, education and assessment efforts.

Develop and enforce regulations: EPA works to develop and enforce regulations that implement environmental laws enacted by Congress. EPA is responsible for researching and setting national standards for a variety of environmental programs, and delegates to states and tribes the responsibility for issuing permits and for monitoring and enforcing compliance. Where national standards are not met, EPA can issue sanctions and take other steps to assist the states and tribes in reaching the desired levels of environmental quality.

Offer financial assistance: In recent years, between 40 and 50 percent of EPA's enacted budgets have provided direct support through grants to State environmental programs. EPA grants to States, non-profits and educational institutions support high-quality research that will improve the scientific basis for decisions on national environmental issues and help EPA achieve its goals.

Perform environmental research: At laboratories located throughout the nation, the Agency works to assess environmental conditions and to identify, understand, and solve current and future environmental problems; integrate the work of scientific partners such as nations, private sector organizations, academia and other agencies; and provide leadership in addressing emerging environmental issues and in advancing the science and technology of risk assessment and risk management.

Sponsor voluntary partnerships and programs: The Agency works through its headquarters and regional offices with over 10,000 industries, businesses, non-profit organizations, and state and local governments, on over 40 voluntary pollution prevention programs and energy conservation efforts. Partners set voluntary pollution-management goals; examples include conserving water and energy, minimizing greenhouse gases, slashing toxic emissions, re-using solid waste, controlling indoor air pollution, and getting a handle on pesticide risks. In return, EPA provides incentives like vital public recognition and access to emerging information.

Further environmental education: EPA advances educational efforts to develop an environmentally conscious and responsible public, and to inspire personal responsibility in caring for the environment.

Sponsors

The NIEHS Office of Fellows' Career Development



National Institute of Environmental Health Sciences *Office of Fellows' Career Development*

The Office of Fellows' Career Development (OFCD) provides intramural postdoctoral and pre-doctoral fellows in training at the NIEHS with the professional skills and career development opportunities needed to excel in their future careers, regardless of their scientific field of study. The OFCD accomplishes this goal by working closely with the various divisions of the NIEHS to provide NIEHS fellows with the resources, support, and network they need to succeed, and by collaborating with the NIH Office of Intramural Training and Education (OITE) to ensure that NIEHS fellows have an outstanding training experience and are prepared for the transition to independence in their chosen career paths.

Contact

Tammy Collins, PhD

Director, Office of Fellows' Career Development Contractor, NIEHS

Tel (919) 541-3344

collinstr@niehs.nih.gov

Networking Opportunities

As you will hear throughout the day, networking is an integral part of career development and searching for a job. Therefore, we have made every effort to allow you as many opportunities as possible to expand your professional network during today's career fair. Below are three different ways you will be able to network with the panelists and exhibitors.

Informal Networking Lunch: 11:20 – 12:25

Grab your lunch and feel free to politely seek out a panelist or speaker and learn about their organization and career. Spaces in the Cafeteria, B Atrium and Building C Rotunda are available. *See page 29 for details.*

Networking Reception: 2:45 – 3:50

What better way to meet new people and learn about different careers than over drinks and a cookie! This networking session will bring together all participants, panelists, speakers, and exhibitors for an afternoon break and networking reception.

Visiting Exhibitor Booths

Throughout the day, representatives from several organizations in the area will be set up in the B Atrium. Be sure to ask them about their science and what sorts of jobs their company has for PhD level scientists. Exhibitors are not conducting interviews or accepting applications during the career fair, but knowing someone on the inside can be very valuable when it does come time to apply for a position. *See page 61 for a list of Exhibitors.*

CV/Résumé Reviews

CV and Résumé consultations will be conducted by appointment throughout the day with career services experts. Please follow these directions to make your appointment:

1. Sign up for an appointment in the morning on the board in the Rotunda by the registration desk.
2. Some reviewers specialize in reviewing only certain types of CV/resumes. Please refer to their expertise listed on the table when making an appointment.
3. Select ONE 30-minute time slot that you prefer and write your name in the single time slot.
4. Take the sticker with the corresponding appointment time as your reminder.
5. Please keep your appointment. If you cannot keep your appointment, speak to a volunteer at the registration desk or in the cafeteria.

Expertise: Academic, Government, and Industry			
Consultant	Title	Affiliation	Session
Sibby Anderson-Thompkins, Ph.D.	Director of the Office of Postdoctoral Affairs	UNC Chapel Hill	1-3
Drew Applefield, Ph.D.	Associate Director, Business and Technology Development	North Carolina Biotechnology Center	2, 3
Amy Blackburn, M.S.Ed.	Senior Assistant Director for Graduate Students	UNC Chapel Hill	1-4
Melissa Bostrom, Ph.D.	Assistant Dean for Graduate Student Professional Development	Duke University	1, 2
Patrick Brandt, M.S., Ph.D.	Director of Career Development & Training	UNC Chapel Hill	1, 4
Nisha Cavanaugh, Ph.D.	Director, Office of Postdoctoral Affairs	NC State University	1, 3, 4
Tammy Collins, Ph.D.	Director, Office of Fellows' Career Development	NIEHS	1, 3
Lori Conlan, Ph.D.	Director-Office of Postdoc Services	OITE, NIH	4
Carolyn Couch, M.A.	Online Career Counselor	UNC Chapel Hill	3, 4
Leila Emery, M.A.	Editor Recruitment Manager	American Journal Experts	1-3
Ashalla Freeman, Ph.D.	Director of Diversity Affairs and the Initiative for Maximizing Student Diversity	UNC Chapel Hill	2
Heidi Scott Giusto, Ph.D.	Owner	Career Path Writing Solutions, LLC	1
Jenna Hartwell, M.Ed.	Career Counselor	NC State University	1-4
Erin Hopper, Ph.D.	Research Director, UNC Office of Research and Graduate Education	UNC Chapel Hill	1, 3
Diane Klotz, Ph.D.	Director, Office of Training & Academic Services	Sanford-Burnham Research Institute	4
Susan M. Lankford, Ph.D.	Program Analyst, Science and Technology Development	NC Biotechnology Center	1
Beth Overman, Ph.D.	Director, Graduate Academic and Professional Development Programs	NC State University	2, 3
Amy Rawls, Ph.D., PHR	Recruitment and Talent Dev. Manager	Research Square	1, 2
Denise Saunders, Ph.D.	Career Counselor	OITE NIH	1, 2
Molly Starback, M.S.L.S	Director, Office of Postdoctoral Services	Duke University	1-3
Afton Thompson, Ph.D.	Editing Services, Team Manager	Research Square	2
Expertise: Industry/Drug Development			

Michael Boyle, Ph.D., DVM, DACVP, DABT	Principal Pathologist	Amgen	1, 3
Ali Ghiassi	Account Manager	Aerotek Scientific	3, 4
Daryl Spinner, Ph.D., MBA	Principal Life Sciences Consultant	Quintiles	2
Maria Schroeder, Ph.D.	Assoc. Clinical Project Management Director	Quintiles	2-4
Expertise: Government			
Jen Richmond-Bryant, Ph.D.	Senior Physical Scientist	National Center for Environmental Assessment, EPA	2, 3
Paul Schlosser, Ph.D.	Environmental Health Scientist	US EPA	2-4

CV Reviewer's At a Glance

Sibby Anderson-Thompkins, Ph.D.

Director of the Office of Postdoctoral Affairs
University of North Carolina

Sibby serves as Director of Postdoctoral Affairs in the Office of the Vice Chancellor for Research. She brings more than 20 years of experience in higher education administration. Her expertise is in serving and supporting the success of international, women and underrepresented minority students and postdoctoral scholars. Previously, Sibby served as Assistant Dean of Students and Assistant Dean in the Office of Student Academic Counseling here at Carolina. In addition, she served as an associate dean of student affairs at Hampshire College in Amherst, Massachusetts. Prior to her return to Carolina, she served as a clinical faculty member in education and dean of advising at Agnes Scott College in Decatur, Georgia. Sibby has been an active member of the National Postdoctoral Association (NPA) serving as the NPA's first Diversity Officer. Additionally, she has served on the Advisory Group for the NPA ADVANCE Project (*From Postdoc to Faculty: Transition Issues for Women Scientists*) and the Science, Engineering and Public Policy of the National Academies charged with reporting the *State of the Postdoctoral Experience for Scientists and Engineers Revisited*.

Drew Applefield, Ph.D.

Associate Director, Business and Technology Development
North Carolina Biotechnology Center

A native of North Carolina, Drew earned a B.S. in biology from Guilford College (Greensboro, NC) and a Ph.D. in Biophysics and Biophysical Chemistry from Johns Hopkins University (Baltimore, MD). After graduation, Drew spent five years working as an Analyst for LifeTech Research, a boutique consulting firm based in Maryland. Drew returned to North Carolina in 2009 and is now an Associate Director of Business and Technology Development at the North Carolina Biotechnology Center, where he leads due diligence for the Center's early stage investments and manages a portfolio of more than 20 life science companies. Drew also directs an internship program designed to help students and post-docs get work experience as they transition to careers in industry.

Amy Blackburn, M.S.Ed.

Senior Assistant Director for Graduate Students and Public Health
University of North Carolina

Amy Blackburn serves as the Senior Assistant Director for Graduate Students and is the liaison to the Gillings School of Global Public Health. She has more than 20 years of experience in college student services roles with undergraduate and graduate students. She holds a M.S.Ed. in College Student Personnel Administration from Indiana University and a A.B. in Elementary Education from Washington University in St. Louis.

Michael Boyle, Ph.D., DVM, DACVP, DABT

Principal Pathologist
Amgen

Mike Boyle graduated from Michigan State University's College of Veterinary Medicine in 2006, and completed a residency in Anatomic and Toxicologic Pathology in 2009 at MPI Research. After residency training, he came to North Carolina for his Ph.D. and postdoc; the former studying the chromatin remodeling enzyme Brg1 in early embryonic development and in doxorubicin cardiotoxicity in the lab of Trevor Archer at the NIEHS, and the latter managing and interpreting studies and data from National Toxicology Program (NTP) and serving as a comparative pathologist for the Division of Intramural Research at the NIEHS. He is Board certified by the American College of Veterinary Pathologists (ACVP) and the American Board of Toxicology (ABT). He joined the biotechnology company Amgen at its headquarters in Thousand Oaks, CA in December of 2013, where he is a pathologist and preclinical lead on multiple programs in the Metabolic Disorders, Oncology, Neuroscience, and Inflammation therapeutic areas.

Melissa Bostrom, Ph.D.

Assistant Dean for Graduate Student Professional Development
The Graduate School, Duke University

Melissa began her current position in February 2013. In her role at Duke, she provides strategic direction and leadership for graduate student professional development, and her charge includes assembling a

comprehensive program that addresses broad and discipline-specific professional development opportunities designed to help graduate students in diverse fields prepare for professional life beyond the graduate degree. She directs the Professional Development Series and the Emerging Leaders Institute at Duke, administers the Professional Development Grant program, and co-founded Duke's professional development blog.

Prior to her current position, Melissa served as Director of Graduate Academic and Professional Development in the Graduate School at NC State University, where she directed the Preparing the Professoriate program, the Graduate Leadership Development Series, the Certificate in Career Development, and the Professional Development Seminar series, all part of the Preparing Future Leaders professional development initiative. During her five years at NC State, these programs served over 6000 participants.

Melissa's background includes experience teaching management and corporate communication at UNC's Kenan-Flagler Business School, as well as teaching in the English department at NC State and UNC. She received her master's and PhD in English from UNC, and her bachelor's in English (writing) and psychology from Denison University. In addition to her current role at Duke, Melissa remains active as a consultant in business communication by teaching in the Executive MBA program at Kenan-Flagler, and as a personal development coach using the Human Patterns instrument.

Patrick Brandt, M.S., Ph.D.

Director of Science, Training, and Diversity
University of North Carolina, Chapel Hill

Patrick directs the Training Initiatives in Biological and Biomedical Sciences (TIBBS) career awareness and professional skills development programming as well as the Immersion Program to Advance Career Training (ImPACT). Initiated in 2006, TIBBS is UNC's professional development program for life science graduate students. Funded by an NIH BEST grant in 2014, ImPACT is UNC's career exploration, job shadowing, and internship program that serves close to 1000 graduate student and postdoctoral trainees in the life sciences.

Patrick also directs the Certificate Program in Translational Medicine, which started as an HHMI funded program in 2006. He developed the Summer

of Learning and Research (SOLAR) undergraduate research program and was SOLAR director from 2009 through 2013. Patrick also developed and oversees RCR training for first year PhD students who enter through BBSP. Patrick has a track record of grant writing success and was instrumental in securing \$5.4 million in grant funding from HHMI, NIH, BWF, and NCBC to fund career development, outreach, and training initiatives.

Patrick earned his PhD in Biochemistry from the University Of Rochester School Of Medicine where he studied the enzymes involved in lagging strand DNA replication and a related DNA repair pathway. After a short postdoc at the National Institute of Environmental Health Sciences, Patrick joined the Office of Graduate Education in 2008.

Nisha A. Cavanaugh, Ph.D.

Director, Office of Postdoctoral Affairs
North Carolina State University

As the Director of the Office of Postdoctoral Affairs at North Carolina State University and active member of the National Postdoctoral Association's Advocacy Committee, Dr. Nisha Cavanaugh advocates for postdoctoral training, coordinates professional development opportunities and programs for more than 300 postdoctoral fellows, and advises postdocs in their job searches. She has developed her own workshops and presented to postdocs, graduate students, and faculty at NC State University, UNC-Chapel Hill, and SAMSI. More recently, she has collaborated with research faculty and higher education administrators, and at the 2014 Association for the Study of Higher Education conference, she co-presented on "The Postdoctoral Landscape: Collaborating through Research and Practice to Address Policy" Symposium. Originally trained as an enzymologist, as a graduate student and postdoctoral fellow at CU-Boulder and NIEHS, respectively, Nisha explored the structure-function relationships of DNA polymerases.

Tammy Collins, Ph.D.

Director, Office of Fellows' Career Development
NIEHS

Tammy Collins currently directs the activities of the Office of Fellows' Career Development at the National Institute of Environmental Health Sciences (NIEHS). In this role, she develops and organizes professional career development and scientific training opportunities for the postdoctoral

community. She also provides individual CV/resume consultations and facilitates networking opportunities with area professionals. Aside from these responsibilities, she performs a range of additional duties including those in conflict resolution, policy implementation, strategic planning, and event planning. Her central mission is to assist others in finding their career path and to ensure that they are equipped with the knowledge and skills to become successful and independent.

Prior to transitioning into her current role, Tammy received her B.S. in Chemistry from Appalachian State University, and her Ph.D. in Biochemistry from Duke University. After a brief postdoc at Duke University, she joined NIEHS as a postdoc in 2009 where she developed her passion for working in the scientific career development field.

Lori Conlan, Ph.D.

Director, Office of Postdoctoral Services
NIH

Lori M. Conlan is trained as a biochemist, receiving her B.S. in biochemistry from Michigan State University and her Ph.D. in biochemistry and biophysics from Texas A&M University. She worked for several years as a postdoc at the Wadsworth Center, NYS Department of Health, before transitioning from the lab to focus on career issues for the next generation of scientists. Lori started as the director of the Science Alliance, an international career development program for graduate students and postdocs sponsored by the New York Academy of Sciences. She now is at the NIH in the Office of Intramural Training & Education assisting the 4000 NIH postdocs in their personal career choices. Lori is the director of two offices, the Office of Postdoctoral Services and the NIH Career Services Center. She speaks at universities and institutions around the nation on career development topics for young scientists.

Carolyn Couch, MA

Online Career Counselor
University Career Services
University of North Carolina at Chapel Hill

For over 20 years, Carolyn has been coaching individuals and groups in the areas of career transition, planning, and management. Her own career path has consisted of staff and project management, training, and administration at Wake Forest University. Carolyn currently serves as the

Online Career Counselor for students at the University of North Carolina at Chapel Hill, and maintains a private practice, The Next Step Career Coaching LLC. Her advice columns have appeared in the *USA Today* Online Career Center and HerCampus.com. Carolyn is a Certified Master Coach and National Certified Counselor.

Leila Emery, M.A.

Editing Services, Quality Control Editor, Editing Recruiter, Team Lead
AJE: American Journal Experts

Leila Emery (MA, Johns Hopkins) is the Contractor Recruitment Team Lead at Research Square. In addition, she concurrently serves as a Quality Control Editor and has edited over 3,000 STEM manuscripts during her time at Research Square. Ms. Emery has over 3 years' experience assessing CVs as a corporate recruiter and more than 7 years' experience as a resume editor.

Ashalla M. Freeman, Ph.D.

Director of Diversity Affairs and the Initiative for Maximizing Student Diversity
UNC, Office of Graduate Education, School of Medicine

Dr. Ashalla Freeman has always had a passion for biomedical research, science education, and the diversification of the biomedical workforce. She earned her BS in Chemistry at Tougaloo College (MS) and PhD in Microbiology/Immunology (bacterial pathogenesis) at the University of Alabama at Birmingham. She received her postdoctoral training at UNC-Chapel Hill in Microbiology/Immunology (bacterial protein biochemistry), and as a SPIRE Postdoctoral Teaching Fellow, she also taught for a year in the Department of Biological Sciences at Winston Salem State University. Upon completion of her postdoctoral training in 2009, Dr. Freeman began her career in science higher education administration. She is the Director of Diversity Affairs and of the Initiative for Maximizing Student Diversity in the Office of Graduate Education at the UNC-Chapel Hill School of Medicine. In her position, she manages diversity recruitment efforts and monitors the admissions process for underrepresented applicants to the biomedical PhD programs at UNC-CH. She aids the development and implementation of diversity awareness/education programming for faculty, staff, and students, and she designs and presents

grantsmanship workshops for biomedical graduate students. As IMSD Director, she administers, oversees and coordinates this NIH-funded graduate student development program which aims to excel the graduate training and career success of underrepresented biomedical PhD students.

Ali Ghiassi

Sr. Account Manager
Aerotek Scientific, LLC

Ali Ghiassi is a sales and recruiting professional with over seven years of demonstrated success in talent acquisition and project management in Life Sciences, Manufacturing, Engineering, and Finance sectors in both the U.S. and Mexico. Ali has held various leadership roles with Aerotek, Inc., and is currently tasked with driving business and managing regional delivery for their Life Sciences offering. In addition, Ali has held board positions with several non-profit and startup organizations, participating, planning and implementation of targeted events/goals. Ali is an accomplished public speaker and has made presentations on Talent Management, Diversity and Inclusion, Recruiting Best Practices, and Job/Interview Preparation for business leaders and in-transition professionals. By creating strategic partnerships, Ali is able to focus on implementing effective and efficient programs for talent management, internal and contractor on-boarding, employee retention, as well as diversity and inclusion program implementation. Ali has been able to lower costs by reducing attrition and increasing employee engagement across his client organizations. Ali Ghiassi earned his Bachelor of Science from the University of North Carolina at Greensboro with a triple major in International Business, Economics, and Spanish.

Heidi Scott Giusto, Ph.D.

Owner
Career Path Writing Solutions, LLC

Heidi Scott Giusto, Ph.D., is a consultant, editor, and writer who owns Career Path Writing Solutions, a business dedicated to helping individuals and businesses with their professional writing needs. Heidi specializes in working with PhDs and non-native English speakers. She earned her PhD in History from Duke University in 2012 and launched Career Path shortly thereafter. Heidi has been featured in *US News & World Report*, Ph.D. Career Guide, *What Are All the PhDs?*, and *Integrative Academic Solutions*. She is a Certified Professional

Résumé Writer, a Certified Employment Interview Professional, and a Career Thought Leaders Associate.

Jenna Hartwell, M.Ed.

Career Counselor
College of Sciences Career Development Center |
North Carolina State University

Jenna Hartwell is an award winning student affairs professional, lover of the outdoors, and fan of all things caffeinated. Since graduating from North Carolina State University with a M.Ed in Counselor Education (Student Affairs in Higher Education concentration), Jenna has dedicated her life to empowering and motivating others to feel confident in their academic and professional decisions. She has held several roles within higher education, working at Cazenovia College; Wheelock College; Skidmore College; and now North Carolina State University, where she is the Career Counselor for the College of Sciences and the Social Media/Marketing Chair for the North Carolina Association of Colleges and Employers.

Erin Hopper, PhD

Research Director
UNC General Administration

Erin Hopper, PhD is the Research Director for the Research Opportunities Initiative (ROI) in the Office of Research and Graduate Education at UNC General Administration (GA). As director of ROI, she manages the competitive process for distribution of research funds in six priority areas as outlined in the strategic plan for the North Carolina university system. Her role also involves supporting the commercialization of research across the state and communicating the significance of North Carolina research to the broader community.

Before joining the staff at UNC GA, Erin served as Director of Training Initiatives in Biomedical and Biological Sciences (TIBBS) in the Office of Graduate Education at the University of North Carolina at Chapel Hill. In this role, she provided professional development support and programming for graduate students and postdoctoral fellows. Erin received her B.S. in chemistry at the University of North Carolina at Chapel Hill, earned her PhD in chemistry from Duke University, and completed her postdoctoral training at the National Institute of Environmental Health Sciences (NIEHS), where she was active in education and training initiatives for science trainees.

Diane Klotz, Ph.D.

Director, Office of Training & Academic Services
Sanford-Burnham Research Institute

Dr. Diane Klotz is Director of the Office of Training & Academic Services at the Sanford-Burnham Medical Research Institute in La Jolla, CA. In this position Diane oversees scientific career education and professional development programs for Sanford-Burnham's scientists-in-training and scientific staff, participates in institute-wide efforts in strategic planning with respect to education and training initiatives, and serves as an advisor to executive leadership on education and training policy.

Diane received her PhD in Molecular and Cellular Biology from Tulane University, and pursued her postdoctoral training at the National Institute of Environmental Health Sciences (NIEHS, NIH). Diane's research focused on cross-talk between steroid hormone receptor and growth-factor signaling pathways in the female reproductive tract. Outside the lab, Diane served as a member and chair of the NIEHS Trainees Assembly Steering Committee, and was a member and chair of the National Postdoctoral Association (NPA) policy committee. She subsequently served as a member and chair of the NPA Board of Directors, and she remains active with the NPA as a member of the NPA Advisors. Diane recently served on the NIH study sections for both years of the NIH BEST Award program, and she is currently a member of the NIH BEST Award External Scientific Panel of advisors.

Diane's career path has been shaped by her observations of and experiences with how scientific organizations function and how scientific leaders strive to effect change and make progress. Her focus in the education and training of scientists at all levels and in all career paths is on helping scientists find their voices as high impact leaders who are able to guide their teams with compassion, clarity, vision, and intent.

Susan M. Lankford, Ph.D.

Program Analyst, Science and Technology
Development
NC Biotechnology Center

Susan earned a B.S. in Zoology from Eastern Illinois University and a Ph.D. in Comparative Biomedical Sciences from NCSU. She has held positions in

research labs at NCSU and UNC. Currently she is a Science and Technology Development Program Analyst at the NC Biotechnology Center where she coordinates the Jobs Network.

Beth Overman, Ph.D.

Director, Graduate Academic and Professional
Development Programs
North Carolina State University

Beth Overman is the Director of Graduate Academic and Professional Development Programs at NC State University. As a part of the Preparing Future Leaders initiative, she is committed to creating transformative professional development programs for graduate students and postdoctoral scholars. Whether it is designing a professional development workshop series, advising graduate students, or leading preparing future faculty programs, Dr. Overman is passionate about graduate student success.

Amy Rawls, Ph.D.

Human Resources
Research Square

Amy earned her Ph.D. in Molecular Genetics at Washington University in St. Louis studying pattern formation in the *Drosophila* retina. After completing a postdoctoral fellowship, also at Wash U, focused on developing a mouse model of a congenital bone marrow failure syndrome, she took some time away from bench science. During that time, Amy started editing and writing scientific content as a freelancer. In 2010, she joined Research Square (then, American Journal Experts) as a Managing Editor. After some time in a manager role, Amy found a way to apply her strengths and interests in the HR realm, first in recruitment and talent development and now as HR Director. She enjoys the puzzle of helping trained scientists find new ways to apply their own strengths, interests, and knowledge to a new field when that's the right path for them.

Jen Richmond-Bryant, Ph.D.

Senior Physical Scientist
National Center for Environmental Assessment

Jen Richmond-Bryant has served as a Physical Scientist with the US EPA National Center for Environmental Assessment's Atmospheric and Exposure Sciences team since 2008. Jen's research and work on Integrated Science Assessments focuses largely on characterizing spatial variability in air

pollutants for interpreting exposure data. Jen received her PhD from the UNC Environmental Sciences and Engineering program in 2003 and was an Assistant Professor of Environmental and Occupational Health Sciences at the City University of New York prior to taking her current government position.

Denise E. Saunders, Ph.D.

Career Counselor and Consultant
OITE/NIH

Denise Saunders, PhD is a Career Counselor and Consultant for the Office of Intramural Training and Education at the NIH. She provides career services to trainees at NIEHS in the RTP of North Carolina. She enjoys helping graduate students and early career professionals with their career planning and job search strategies. In addition to her work with OITE, she maintains a private practice in Chapel Hill, NC where she provides personal and career counseling and consultation to her clients. She is a Licensed Psychologist and National Certified Counselor who holds an MS in Counseling and a PhD in Counseling Psychology from Florida State University. She has worked in higher education, independent practice, for-profit business and government.

Paul Schlosser, Ph.D.

Environmental Health Scientist
EPA

Paul Schlosser received his Bachelors of Science (1982) and PhD (1988) from the University of Rochester, with a Masters of Applied Science (1984) from the University of Toronto, all in Chemical Engineering. He then conducted three years of postdoctoral research in Biochemical Engineering at the California Institute of Technology, developing methods to identify limiting factors in biochemical pathways used in industrial fermentation and cell cultures. In 1991 Paul joined the Chemical Industry Institute of Toxicology (later the CIIT Centers for Health Research, now The Hamner Institutes), and conducted research on the modeling of xenobiotic metabolism and dosimetry, with applications in risk assessment. Dr. Schlosser came to the U.S. EPA, National Center for Environmental Assessment (NCEA) in 2004 as an Environmental Health Scientist, where he now co-chairs NCEA's Pharmacokinetic Workgroup (PKWG), tasked with evaluating and guiding or conducting the application of PBPK and PK models in risk assessment.

Deborah M. Thompson, Ph.D.

Director of Partnership Development
NC Agricultural Research Service, NCSU

Dr. Deborah Thompson is Director of Partnership Development for CALS. In that role, Deborah works with the Associate Dean for Research (CALS) and Director of NCARS, and Staff, as well as the CALS Advancement team to develop and manage corporate partnerships among CALS faculty and corporations around the world, with emphasis on North Carolina and in the Research Triangle Park (RTP) area. Deborah has over 15 years of research and development experience and has worked in academic, industry, government and non-profit institutions. She has diverse technical expertise that includes subjects ranging from plant and insect gene regulation to protein expression, bio-pesticides and bioremediation, with a focus in agricultural biotechnology. She is passionate about helping job seekers in STEM careers develop the contacts and skills they need for their job search. Deborah holds a bachelor's degree in botany from Rutgers University and a Ph.D. in genetics from The University of Georgia. She worked at NIEHS from 2005 - 2008.

Daryl Spinner, Ph.D., MBA

Principal Life Sciences Consultant
Quintiles

Daryl Spinner, Ph.D., MBA is a Principal Consultant in Quintiles' Global Market Access practice. Daryl advises biotechnology, medical device, diagnostic, pharmaceutical, policy groups and other healthcare clients on global pricing & reimbursement, market access, health economics & outcomes research strategy, HTA, commercial planning, market forecasting and product valuation. Prior to joining Quintiles, Daryl spent five years consulting to established and startup biotech, pharmaceutical, medical device & diagnostics clients first as an independent consultant, and then as an Associate Director with RTI Health Solutions. Prior to Daryl's consulting career, he spent 14 years conducting research, most recently as Research Group Leader and Lab Director at the New York State Institute for Basic Research directing programs focused on R&D of neurological disease diagnostics and therapeutics, such as those for Alzheimer's, Creutzfeldt-Jakob disease (CJD), and autism. Daryl received an MBA degree in Finance and Health Sector Management from Duke University's Fuqua School of Business, a Ph.D. degree in Molecular and Cellular Pharmacology and an honors degree in Chemistry

from the State University of New York at Stony Brook.

Molly Starback, Ph.D.

Director, Office of Postdoctoral Services

Duke University

Molly Starback, MSLS, is the founding Director of the Duke Office of Postdoctoral Services. Opened in 2006, Duke Postdoc Services is the central resource for over 700 postdocs, serving both Arts and Sciences and School of Medicine appointees. Duke Postdoctoral Services promotes postdocs as a key part of the Duke research enterprise and strives to integrate postdocs into University life. As Director, Molly oversees postdoctoral policy and serves as the career advisor for postdoctoral appointees in the life sciences, natural sciences, humanities, and social sciences. Molly develops and oversees programs including the annual Postdoctoral Responsible Conduct of Research Forum and career development seminars on topics including the Academic Job Search, the Non-Academic Job Search, Lab Management, and Grantsmanship. In 2006 Molly created Postdoctoberfest, a yearly appreciation event at which awards are presented to Duke's Outstanding Postdoc and Outstanding Postdoc Mentor. She also established annual professional development awards and helped create the Provost's Postdoctoral Scholars for Diversity Program.

In addition to working with postdocs, Molly is an academic adviser for first- and second-year Duke

undergraduates. She is the Co-Chair of the National Postdoctoral Association Resource Development Committee, and past member of the AAMC GREAT Group Postdoctorate Leaders Steering Committee, NPA Membership Committee and NPA Website Taskforce. In 2008 Molly received the Duke Meritorious Service Presidential Award in recognition of her work on behalf of postdocs.

Afton Thompson, Ph.D.

Editing Services, Team Manager

Research Square

Afton Thompson earned a Ph.D. in Pathology from Duke University (2011), where she researched the mechanism of action of IL-1 as a vaccine adjuvant. After a brief post-doc in the Duke Human Vaccine Institute, she took a position at American Journal Experts (now Research Square) as an In-house editor, where she edited manuscripts written by non-native English speakers and participated in a number of data-based projects. She took on the role of team manager in 2014, which led to her involvement in many projects, including hiring and onboarding new editors, growing teams, and coordinating work on new products. She also recently participated as a resume reviewer in the 4th Annual Career Symposium for Graduate Students and Post-Doctoral Scholars at UNC.

Lunch

Lunch is available from the cafeteria. If you pre-registered on-line you will be given a ticket when you pick up your career fair package from the registration desk. This ticket entitles you to a discount on the lunch buffet available in the cafeteria. Please give your ticket to the cashier when paying for your lunch. Seating is available in the cafeteria with additional seating in the B Atrium and across from the registration desk.

Informal Networking Lunch (11:20-12:25)

(Cafeteria - Additional space in B Atrium and Building C Rotunda)

Lunch is a great opportunity for informal networking. Put those skills you learned in the morning Networking Workshop to work or introduce yourself to a panelist on your preferred career path. This is a great time to meet the panelists, workshop presenters and exhibitors, and expand your professional network!

This is an informal Networking opportunity. To make it easier for you to find panelists, we have designated tables in the cafeteria for each panel. Look for table tents with the panel names. Feel free to join the panelists and learn more about their organization and career. Many of the workshop presenters will also be around during lunch with the expectation of networking so feel free to seek them out and introduce yourself.

Keynote Address

“But I Have No Skills! Debunking Myths and Exploring Career Options for Ph.D.’s”

9:00-10:00 am / Room C111-ABC

Melanie Sinche, NCC, M.Ed., M.A.



Melanie Sinche currently serves as a Senior Research Associate in the Labor and Worklife Program housed in the Harvard Law School. In this position, she is studying the employment patterns of recent science and engineering PhDs to create a visual map of career clusters. This study will also identify the skills and experiences required to enter different scientific occupations, and will determine whether these were developed in the educational/training period of the PhD or on the job, thus contributing to the national discussion of efficacious training of PhD-level scientists and engineers.

Prior to joining the LWP, Melanie served as the Founding Director of the FAS Office of Postdoctoral Affairs in the Faculty of Arts and Sciences at Harvard University. In this role, she served over 1,200 postdocs from all disciplines, assisting with their career and professional development, and advised senior administrators on issues pertaining to graduate student and postdoctoral scholar training. She has been working closely with the National Science Foundation, the National Postdoctoral Association, and the Graduate Career Consortium to improve data collection on PhDs and postdoctoral scholars across the U.S.

Melanie came to Harvard from the National Institutes of Health (NIH) where she served as a Consultant and Career Counselor. In this role, she designed, planned, and built the first NIH-wide career center for over 9,000 intramural trainees across 27 Institutes and Centers. Her duties included defining services, recruiting counseling staff, developing workshops, creating content for the career center website, and authoring a careers blog for scientists. Prior to this, Melanie served as the Founding Director of the Office of Postdoctoral Services at the University of North Carolina at Chapel Hill. She has delivered career development presentations and training sessions for universities, government agencies, professional associations, and non-profit organizations across the country. Melanie earned a Bachelor's

degree from Colgate University and a Master's degree from the University of Michigan. Melanie completed a second Master's degree in counseling at North Carolina State University and possesses the National Certified Counselor (NCC) credential. She is currently working on a book-length project with Harvard University Press on careers for PhDs in the sciences.

Session 1: Career Panels

A. Writing and Communication

10:20-11:20 am | Room C111-C

Moderator: Monica Frazier, Ph.D.

There are a variety of careers available to scientists that have an interest in communication and writing. The majority of scientific training focuses on conducting scientific research, but there is a significant need for scientists that are able to communicate a diverse array of scientific information to both technical and non-technical stakeholders. This panel will provide attendees with an opportunity to learn more about various careers in science communication and writing. Emphasis will be placed on topics such as understanding what experience is desired and/or necessary for these types of careers as well as how to gain experience or translate prior experience that may be relevant. If you are interested in a career beyond the bench, consider attending this panel discussion to learn more about a career in science communication and ask questions of these diverse and experienced panelists.

Megan Kendellen, Ph.D.

Medical Writer

Quintiles

megankendellen@gmail.com

Megan currently works as a medical writer at Quintiles. She leads a team of multi-disciplinary experts to create documents ranging from protocols to clinical study reports for regulatory submission as part of the clinical development process. Megan spends her days analyzing data, writing various types of regulatory documents, and liaising with biotech and pharma clients and internal team members.

Megan completed a Ph.D. in Pharmacology and Cancer Biology at Duke, focusing on genomic instability and telomere biology. Thereafter, she was a postdoctoral fellow at the Lineberger Comprehensive Cancer Center at UNC-Chapel Hill, studying NF- κ B signaling in breast cancer. She also performed in proposal and strategy development and clinical project management roles in Quintiles prior to becoming a medical writer.

Sarah Mudrak, Ph.D.

Product Management Director

American Journal Experts (AJE), Research Square

Sarah.mudrak@journalexerts.com

Sarah is the Product Manager for American Journal Experts (AJE), Research Square's manuscript services brand. AJE provides several manuscript preparation services for researchers, including editing, translation, and illustration. She is involved in determining what services their customers need and how to develop those offerings. Sarah maintains the website and works to ensure their customers have a great experience.

Sarah received a BS in Biology from Emory University and a PhD in Genetics and Genomics from Duke University. As a graduate student, she studied DNA repair and mutagenesis in yeast. Soon after graduate school, she started working as an editor at AJE and has been with the company ever since.

Robin Arnette, Ph.D.

Science Writer/Editor
NIEHS/NIH
arnetter@niehs.nih.gov

Robin Arnette, Ph.D., is Science Writer/Editor in the Office of Communications and Public Liaison at the National Institute of Environmental Health Sciences (NIEHS) in Research Triangle Park, North Carolina. Prior to accepting her current position, she was editor of the Minority Scientists Network (MiSciNet) and a contributing writer for Science Careers, formerly Science's Next Wave, two online career development journals published by AAAS. She also worked with Education and Training Systems International in Chapel Hill, North Carolina as a Medical Science Editor.

Dr. Arnette received her B.S. in biology from South Carolina State University, an M.A.T. in secondary education-biology from Winthrop University, and a Ph.D. in biology with special emphasis on biochemical and molecular parasitology from The University of Toledo. As a postdoctoral fellow in the Department of Biochemistry and Biophysics at the University of North Carolina at Chapel Hill School of Medicine, she received a Lineberger Comprehensive Cancer Center Fellowship.

Her responsibilities at NIEHS include updating web content; developing press releases; managing national and international media inquiries; conducting media preparation sessions with NIEHS scientists; reviewing and summarizing scientific manuscripts; writing, producing, and directing NIEHS science and health videos; and writing and editing articles for the *Environmental Factor*, the NIEHS newsletter. She has received several awards for her work, including an NIH Plain Language Award, an NIH Director's Award, and an NIEHS Merit Award.

Session 1: Career Panels

B. Medical Science Liaison/Field Application Specialist

10:20-11:20 am / Room C114

Moderator: Kristin Gabor, Ph.D.

Medical science liaisons and field applications specialists are careers that utilize skilled researchers with scientific knowledge to bring the latest research and knowledge to those who develop therapeutic products and those who are seeking new equipment and techniques, respectively. For each career path, new technologies that can improve our ability to conduct science and develop therapeutics are constantly arriving on the scene. Such liaisons and application scientists can help make scientists aware of the latest and greatest tools for the lab. Both careers are suited for ‘people persons’ who like being on the cutting edge and enjoy working with a variety of different people. If you are interested in a meaningful career away from the bench, you should attend this panel discussion. You will hear from a field application scientist, a medical science liaison and a medical director who all have unique backgrounds and will provide interesting feedback on their career paths.

Manasa Gudheti, Ph.D.

Sales Application Scientist

Bruker Nano Surfaces

mgudheti@gmail.com

Manasa Gudheti is an applications scientist at Bruker Nano Surfaces in Salt Lake City, UT. Bruker Corporation is a manufacturer of scientific instruments for molecular and materials research, as well as for industrial and applied analysis. Manasa earned a Bachelor’s degree in Chemical Engineering from the National Institute of Technology, Warangal, India in 1999 and a Ph.D. in Chemical Engineering from Drexel University in 2004. She then pursued a postdoc in Biophysics in Dr. Sam Hess’s lab at the University of Maine. In 2006 Dr. Hess’ lab pioneered the single molecule localization (SML) superresolution microscopy technique FPALM (fluorescent photoactivation localization microscopy).

In 2008 3D FPALM was developed. This 3D superresolution technique was commercialized at the University of Utah startup, Vutara. Manasa joined Vutara in 2011 as an applications scientist after finishing her postdoc. Bruker acquired Vutara in July, 2014. This was also the year that super-resolved fluorescence microscopy techniques garnered the Nobel Prize in Chemistry.

Michael Markowitz, M.D., MSPH, M.B.A.

Medical Director

UCB Biosciences

Michael.markowitz@ucb.com

Michael Markowitz, MD, MSPH, MBA is currently a medical director for UCB Biosciences, an international biopharmaceutical company with offices in Raleigh, Atlanta, Belgium, and Germany. The company focuses on developing drugs for serious neurologic and immunologic diseases. In his role, Mike provides medical oversight for clinical trials, drug safety, observational studies, publications, and business development. Previously, Mike was a medical science liaison at GSK and managed several medical liaison teams at Johnson and Johnson. Mike earned a BA from Carleton College, MSPH from UNC in health policy, and an MD and MBA from University of Illinois. Additionally he completed a residency in preventive medicine and a fellowship in pharmacoconomics at UNC. He has authored several articles in various outcomes research areas including pharmaceuticals benefit-risk assessment. He holds two associate professor academic appointments at UNC in the School of Public Health and School of Pharmacy.

Melanie Jardim, Ph.D.

Medical Science Liaison in Medical Affairs
United Therapeutics

Melanie J. Jardim, PhD joined United Therapeutics in April 2013, as a Medical Science Liaison in Medical Affairs. She obtained her BA in Anthropology from Wellesley College, and her PhD in Pharmacology and Cancer Biology from Duke

University. Dr. Jardim completed a postdoctoral research fellowship in the Clinical Research Branch of the United States Environmental Protection Agency, where she conducted translational genomics research in the fields of air pollutant exposure and asthma. Prior to joining United Therapeutics, she worked as a Health Scientist for ChemRisk, LLC and as a Product Manager, Next Generation Sequencing and Bioinformatics for GENEWIZ, Inc.

Session 1: Workshops

A. Untrain Your Brain: Achieving Synergy between Personal and Professional Interests

10:20-11:20 am / Room C113

Presented by:

Ashalla Freeman, Ph.D.



This session will provide practical advice and strategies for identifying and fulfilling your personal needs while maintaining career success. As graduate students and postdocs, early career scientists are trained to always prioritize science and research productivity, usually at the expense of self-edifying activities outside of “the lab.” Eventually, this science-focused training becomes ingrained and allotting time for non-research efforts becomes a foreign concept often causing feelings of guilt and anxiety. It takes time and effort to “undo” this training, but it can be done, and YOU CAN find balance between your professional goals and personal needs.

Ashalla Freeman, Ph.D.

Director, Diversity Affairs and Initiative for Maximizing Student Diversity

UNC Chapel Hill

Ashalla@unc.edu

Dr. Ashalla Freeman has always had a passion for biomedical research, science education, and the diversification of the biomedical workforce. She earned her BS in Chemistry at Tougaloo College (MS) and PhD in Microbiology/Immunology (bacterial pathogenesis) at the University of Alabama at Birmingham. She received her postdoctoral training at UNC-Chapel Hill in Microbiology/Immunology (bacterial protein biochemistry), and as a SPIRE Postdoctoral Teaching Fellow, she also taught for a year in the Department of Biological Sciences at Winston Salem State University. Upon completion of her postdoctoral training in 2009, Dr. Freeman began her career in science higher education administration. She is the Director of Diversity Affairs and of the Initiative for Maximizing Student Diversity in the Office of Graduate Education at the UNC-Chapel Hill School of Medicine. In her position, she manages diversity recruitment efforts and monitors the admissions process for underrepresented applicants to the biomedical PhD programs at UNC-CH. She aids the development and implementation of diversity awareness/education programming for faculty, staff, and students, and she designs and presents grantsmanship workshops for biomedical graduate students. As IMSD Director, she administers, oversees and coordinates this NIH-funded graduate student development program, which aims to excel in the graduate training and career success of underrepresented biomedical PhD students.

Session 1: Workshops

B. How to Get That First Job

10:20-11:20 am | Room C111-A-B

Presented by:

Pat Phelps, Ph.D.



This workshop will explore the successful job search of twenty different graduate students and postdoctoral scholars from North Carolina institutions. Topics will include 1) How they decided which career path to pursue 2) How long their job search lasted 3) Top tips for finding a position 4) Looking back, what would they have done differently and 5) What their career transition has been like. Five hiring managers will provide input on why they selected these candidates over other applicants. Workshop participants will complete a worksheet that compares their career exploration and job hunt efforts to the twenty candidates. This worksheet will serve as a benchmark and provide insights into future career search efforts.

Pat Phelps, Ph.D.

Founder and CEO of Geeks-N-Taps
phelpspv@gmail.com

Patricia Phelps is the founder and CEO of Geeks-N-Taps, an event and science outreach company focused on the science of beer. A scientist by training, Pat's career has included positions in the biotech industry, academia, government, and non-profits. Pat's career has included serving as the lead educator for the Smithsonian's National Museum of Natural History's Genome: Unlocking Life's Code exhibit, Founder of North Carolina DNA Day, and recipient of multiple patents and government, state and non-profit grant awards. One of Pat's most rewarding career experiences has been mentoring young scientists in the various career options and paths available to them.

Session 1: Workshops

C. Networking: A Tool for Exploring Careers & Building Professional Relationships

10:20-11:20 am / Room C112

Presented by:

Dara Wilson-Grant, MS.Ed., NCC, LPC



Networking is one of the most effective approaches to getting your career on the fast track. Yet, for a variety of reasons (e.g., shyness, negative perceptions), most of us fail to make networking an active part of our ongoing career development. In this workshop, participants will learn keys to tactful networking along with easy-to-use strategies for face-to-face networking, corresponding via email, and the appropriate use of social media.

Dara Wilson-Grant, MS.Ed., NCC, LPC

Associate Director, Career Counselor,
UNC Office of Postdoctoral Affairs &
Owner, Consultant, Careers in Bloom
dwgrant@email.unc.edu

Dara brings more than 15 years of experience providing counseling and career management education to students, postdoctoral scholars, and business professionals across a wide range of disciplines and career fields. She holds a Master's Degree in Counseling and is a Licensed Professional Counselor. Her career management workshops have been presented at national and international universities, government agencies, and research institutions.

Session 2: Career Panels

A. Running Your Own Lab

12:30-1:30 pm / Room C114

Moderator: Julie Lowe, Ph.D.

Transitioning from post-doctoral fellowship to a position where you are running your own lab has many challenges, such as negotiating a start-up package, interviewing and hiring laboratory staff, and budgeting for long-term financial sustainability. Beyond these new challenges, how do the different expectations and responsibilities impact work-life balance? Leading a laboratory often calls upon skill sets that are not directly taught as a part of graduate or post-doctoral training. During this panel, faculty/scientists from academia (East Carolina University and North Carolina State University) and pharma (Celgene) will share how they transitioned from a fellow to running their own lab as well as how to ensure it remains successful.

Christopher J. Wingard, M.S., Ph.D.

Director of Physiology Department
East Carolina University
Wingardc@ecu.edu

Dr. Wingard is Professor of Physiology and Director of the Ph.D. Program in Physiology in the Brody School of Medicine at East Carolina University. He joined ECU in 2004 following his tenure as Assistant Professor of Physiology at the Medical College of Georgia. Dr. Wingard received his B.A. in Biology from Hiram College in 1984, a M.S. in 1986 from the University of Akron and his Ph.D. in 1991 from Wayne State University. He completed postdoctoral training in the Department of Molecular Physiology and Biophysics at the University of Virginia.

Dr. Wingard has > 20 years of expertise in the field of regulation of smooth muscle function and vascular reactivity. He has been continuously funded through grants and contracts from the American Health Assistance Foundation, American Heart Association, NIH NIDDK and NIEHS, Phillip Morris International Research, Institutes of BioAnalytics.

Currently, Dr. Wingard's research is focused on the impact of nano and ambient particle exposure on alteration in cardiovascular function with particular emphasis on the impact of acute and chronic effects of particle exposure on inflammatory signaling, and

the signaling pathways that may be involved. Additionally he is interested in vascular reactivity, and myocardial response to ischemia and sensitivity of the vasculature. Dr. Wingard's other research interests include investigating the mechanisms, underlying cardiovascular risk factors, environmental exposures and their contribution to the formation of erectile dysfunction.

Barbara Sherry, Ph.D.

Professor of Virology
North Carolina State University
Barbara_sherry@ncsu.edu

Barbara Sherry earned her bachelor's degree at Brown University and her Ph.D. at University of Wisconsin-Madison. After her postdoctoral training at Harvard Medical School she joined the faculty at North Carolina State University where she is currently a Professor of Virology.

Dr. Sherry also serves as an Editor for Virology and PLoS Pathogens. She has recently concluded her tenure as the President of the American Society for Virology (2012-13) and has served on multiple NIH study sections. Dr. Sherry has led an NIH-funded academic laboratory for 25 years studying viral infections of the heart and the cardiac innate protective response, and considers her interactions with students and colleagues to be among the most enjoyable and satisfying parts of her work.

Jeffrey Harris, Ph.D

Cell Biologist

Celgene Cellular Therapeutics

Jeffrey.r.harris@gmail.com

Dr. Harris is a trained cell biologist interested in bringing the promise of cellular therapeutics to patients in need. He has over 12 years of experience in stem cell biology, immunology, vascular biology, advanced *in vitro* and *in vivo* imaging modalities, and preclinical animal modeling. His interests include identifying relevant preclinical animal models to elucidate: pharmacokinetics, pharmacodynamics, persistence, bio-distribution, efficacy, relevant clinical endpoint translation, mechanisms of action, proof of concept, and toxicology studies of cell therapy candidate products, specifically in oncology. He is currently leading the preclinical program - from developing the overall nonclinical strategy, to *in vivo* experimental design and execution- Natural Killer cell therapy product with the aim of an IND submission in 2016. Throughout his career, he has been involved in using cell therapy in complex animal models to identify mechanisms that facilitate repair and regeneration. During his postdoctoral training, his research focused on characterizing novel *in vivo* signaling pathways that regulate hematopoietic stem cell self-renewal and regeneration after injury in their native environment. This experience led to several co-authored publications, laid the groundwork to obtain NIH-funded pilot awards as a primary investigator, and contributed to future research endeavors of our laboratory. Moreover, this experience taught him how to successfully manage complex projects, and collaborate with researchers. Ultimately, these experiences led him to his current position in the preclinical and translational development group at Celgene Cellular Therapeutics, where he has had the chance to work with a highly motivated team to further develop cell therapy and translate animal studies into clinical application.

Maria Stauffer

Senior Scientist

Bayer CropScience

Maria.stauffer@bayer.com

Maria is currently a Group Lead and manager of the Plant Analysis group at Bayer CropScience. She oversees a team of scientists that have the tasks of performing analysis of all transgenic plants and

processing thousands of pipeline samples a week while researching innovative technologies for improving workflow, efficiency, and data quality.

Session 2: Career Panels

B. Industry

12:30-1:30 pm / Room C111-C

Moderator: Jackson Hoffman, Ph.D.

For scientists who remain passionate about research, many career opportunities exist in the biopharmaceutical and chemical industries. This panel will address the roles of research scientists in the setting of large, multinational research companies. The process of finding an industry job can seem daunting and the transition from postdoc to industry scientist can be challenging. The panelists will discuss how an industrial research environment differs from an academic one, the steps in their training that were important in making the transition to industry, and the skills required for obtaining a research position in an industry setting.

Jonathan Ciencewicki, Ph.D.

Study Director
Grifols Therapeutics, Inc.
Jonathan.ciencewicki@grifols.com

Jonathan Ciencewicki completed his undergraduate studies at Rutgers University, with a degree in biological sciences in 2001. Following graduation, he worked as a laboratory technician at Firmenich prior to attending graduate school at the University of North Carolina at Chapel Hill in 2002. Jonathan performed his dissertation research in the laboratory of Dr. Ilona Jaspers in the Center for Environmental Medicine, Asthma, and Lung Biology where he managed projects focused on examining the health effects of environmental pollutants on the susceptibility and response to infectious diseases. He received his PhD in toxicology in 2007 and subsequently joined the laboratory of Dr. Steven Kleeberger at NIEHS. While at NIEHS, Jonathan's research was focused on exploring models of genetic susceptibility to viral infections and environmental toxicants. In 2014, Jonathan accepted the position of Study Director at Grifols Therapeutics Inc., where he is responsible for overseeing R&D and validation of pathogen clearance mechanisms critical to the safety of human plasma-derived and recombinant protein therapies.

Katoria R. Tatum-Gibbs, PhD

Agricultural Chemist III
BASF-The Chemical Company
Katoria.tatum-gibbs@basf.com

Katoria R. Tatum-Gibbs, Ph.D. is an Agricultural Chemist III at BASF-The Chemical Company. Her current responsibilities involve understanding the consumer risks associated with various agricultural chemicals, as well as understanding the regulatory guidelines for the successful global registration of BASF Agricultural Products.

Katoria began her collegiate journey at Texas Southern University where she earned a B.S. in Chemistry in 2004. After receiving her undergraduate degree, Katoria entered the Environmental Toxicology Doctoral Program at Texas Southern University. Her research focused on understanding the effects of environmental estrogens on aquatic ecosystems surrounding the Greater Houston Area. Katoria received her doctorate in Environmental Toxicology in December of 2007.

Upon receiving her doctorate degree, Katoria accepted a post-doctoral fellowship with the United States Environmental Protection Agency (US EPA-RTP). As a post-doctoral trainee, her research focused on evaluating potential human risks associated with the environmental exposure of perfluorinated compounds, phthalates, and volatile organic compounds (VOCs) on developmental, reproductive, and neurological health.

Mike Boyle, DVM, Ph.D., DACVP, DABT

Pathologist and Preclinical Lead

Amgen

mcboyledvm@gmail.com

Mike Boyle graduated from Michigan State University's College of Veterinary Medicine in 2006, and completed a residency in Anatomic and Toxicologic Pathology in 2009 at MPI Research. After residency training, he came to North Carolina for his Ph.D. and postdoc; the former studying the chromatin remodeling enzyme Brg1 in early embryonic development and in doxorubicin cardiotoxicity in the lab of Trevor Archer at the NIEHS, and the latter managing and interpreting

studies and data from National Toxicology Program (NTP) and serving as a comparative pathologist for the Division of Intramural Research at the NIEHS. He is Board certified by the American College of Veterinary Pathologists (ACVP) and the American Board of Toxicology (ABT). He joined the biotechnology company Amgen at its headquarters in Thousand Oaks, CA in December of 2013, where he is a pathologist and preclinical lead on multiple programs in the Metabolic Disorders, Oncology, Neuroscience, and Inflammation therapeutic areas.

Session 2: Workshops

A. Local Resources for Identifying Career Opportunities

12:30-1:30 pm / Room C111-A-B

Presented by:

Susan Lankford, Ph.D.



You have finished your Ph.D. and Post-doctoral fellowship(s) - Now What?? This workshop will provide advice for identifying a career that is rewarding and fulfilling for YOU. I will emphasize strategies for identifying your strengths, networking and informational interviewing and will highlight local resources for helping you in this process.

Susan Lankford, Ph.D.

Science and Technology Development Program Analyst

NC Biotechnology Center

susan_lankford@ncbiotech.org

Susan earned a B.S. in Zoology from Eastern Illinois University and a Ph.D. in Comparative Biomedical Sciences from NCSU. She has held positions in research labs at NCSU and UNC. Currently she is a Science and Technology Development Program Analyst at the NC Biotechnology Center where she coordinates the Jobs Network.

Session 2: Workshops

Leadership and You: Balancing Strengths and Challenges

12:30-1:30 pm | Room C113

Presented by:

Diane Klotz, Ph.D.



As you gain an understanding of your leadership style and the styles of others, you will begin to notice what behaviors are comfortable to you, what behaviors are not as comfortable, and which behaviors of others tend to serve as “triggers” and elicit a negative or stress response in you. Learning to recognize when you are in such a situation, and having some tools to assist you in offsetting those triggers, goes a long way in helping you maintain meet the challenge with the personal leadership style you wish to display.

In this workshop participants will:

- Explore different leadership styles and begin to identify both the style that comes most naturally to them and the style they wish to be known for;
- Assess their level of comfort with various leadership aptitudes;
- Identify areas known to present challenges under times of stress;
- Learn about some ways to maintain balance when under stress.

Diane Klotz, Ph.D.

Director of Office of Training and Academic Services
Sanford-Burnham Medical Research Institute
dklotz@sanfordburnham.org

Dr. Diane Klotz is Director of the Office of Training & Academic Services at the Sanford-Burnham Medical Research Institute in La Jolla, CA. In this position Diane oversees scientific career education and professional development programs for Sanford-Burnham’s scientists-in-training and scientific staff, participates in institute-wide efforts in strategic planning with respect to education and training initiatives, and serves as an advisor to executive leadership on education and training policy.

Diane received her PhD in Molecular and Cellular Biology from Tulane University, and pursued her postdoctoral training at the National Institute of Environmental Health Sciences (NIEHS, NIH). Diane's research focused on cross-talk between steroid hormone receptor and growth-factor signaling pathways in the female reproductive tract. Outside the lab, Diane served as a member and chair of the NIEHS Trainees Assembly Steering Committee, and was a member and chair of the National Postdoctoral Association (NPA) policy committee. She subsequently served as a member and chair of the NPA Board of Directors, and she remains active with the NPA as a member of the NPA Advisors. Diane recently served on the NIH study sections for both years of the NIH BEST Award program, and she is currently a member of the NIH BEST Award External Scientific Panel of advisors.

Diane's career path has been shaped by her observations of and experiences with how scientific organizations function and how scientific leaders strive to effect change and make progress. Her focus in the education and training of scientists at all levels and in all career paths is on helping scientists find their voices as high impact leaders who are able to guide their teams with compassion, clarity, vision, and intent.

Session 3: Career Panels

A. Consulting

1:45 – 2:45 pm | Room C111-C

Moderator: Erin Romes, Ph.D.

Have you ever wondered about the business science of science? Have you been interested in applying your problem solving skills to make a long-standing impact within the pharmaceutical, biological, and health care industries? The “Careers in Consulting” panel will provide you with a unique opportunity to learn from PhD-level consultants who took a step away from the bench and into the consulting world. Learn how they got there, why they enjoy what they do, and which skills will most help you transition from bench scientist to consultant.

Daryl Spinner, Ph.D., M.B.A

Principal Consultant

Quintiles

darylspinner@gmail.com

Daryl Spinner, PhD, MBA is a Principal Consultant in Quintiles’ Global Market Access practice. Daryl advises biotechnology, medical device, diagnostic, pharmaceutical, policy groups and other healthcare clients on global pricing & reimbursement, market access, health economics & outcomes research strategy, HTA, commercial planning, market forecasting and product valuation. Prior to joining Quintiles, Daryl spent five years consulting to established and startup biotech, pharmaceutical, medical device & diagnostics clients first as an independent consultant, and then as an Associate Director with RTI Health Solutions. Prior to Daryl’s consulting career, he spent 14 years conducting research, most recently as Research Group Leader and Lab Director at the New York State Institute for Basic Research directing programs focused on R&D of neurological disease diagnostics and therapeutics, such as those for Alzheimer’s, Creutzfeldt-Jakob disease (CJD), and autism. Daryl received an MBA degree in Finance and Health Sector Management from Duke University’s Fuqua School of Business, a PhD degree in Molecular and Cellular Pharmacology and an honors degree in Chemistry from the State University of New York at Stony Brook.

Barmak Modrek, Ph.D., M.B.A

Bioinformatics Software Development Leader

General Electric Healthcare

Barmak.modrek@ge.com

Barmak Modrek currently leads the molecular diagnostics bioinformatics group at GE’s Software Center of Excellence in San Ramon, CA. Prior to his current role, he served as a life science consultant at Leerink Swann Strategic Advisor, where he provided consulting services to major pharma companies on various marketing, finance and strategy related projects. He joined Leerink upon the completion of his M.B.A. from the Fuqua School of Business at Duke University. Prior to business school, Barmak was a bioinformatics scientist at leading biotechnology and pharmaceutical firms such as Genentech, Merck and Roche. He has a B.A. in Molecular Biology from the University of California, Berkeley and a Ph.D. in Molecular Biology from the University of California, Los Angeles Environmental Protection Agency, where she conducted translational genomics research in the fields of air pollutant exposure and asthma. Prior to joining United Therapeutics, she worked as a Health Scientist for ChemRisk, LLC and as a Product Manager, Next Generation Sequencing and Bioinformatics for GENEWIZ, Inc.

Nicole Connelly, Ph.D.

Director

Quintiles

Nicole.connelly@quintiles.com

Nicole Connelly did her undergraduate work at SUNY Fredonia and got her degree in Biology with a minor in Chemistry in 1993. Upon graduation, she went to Duke University where she got her PhD in Microbiology in 2000 – she worked in Dr. David Pickup’s lab and focused on poxvirus inflammatory response modification. Nicole started her career with McKinsey & Company working with global pharmaceutical clients at the leadership level focusing on R&D strategies and organizations. She then moved to Pfizer where she was a Director in

their Organizational Effectiveness group. In this role, Nicole contributed to and led cross-functional teams in partnership with Pfizer's global leadership across R&D, Medical, and sales functions. She came to Quintiles in 2008 and has focused on clinical partnership optimization, development of business processes to translate clinical strategies to clinical plans, value proposition and pricing and reimbursement strategies. Nicole is currently engaged across Quintiles Consulting, Commercial, Clinical and Capital to drive cross-functional processes for operationalizing clinically and commercially integrated asset strategies and development plans.

Session 3: Career Panels

A. Teaching

1:45-2:45 pm | Room C112

Moderator: Suchandra Bhattacharjee, Ph.D.

Teaching can be an intellectually challenging and satisfying profession, although it is often presented to graduate students as a task that must be completed in order to subsidize research efforts. It is one of the oldest and noblest professions. This Session includes panelists from diverse academic institutions, in terms of the student population they serve and the needs of the institutions. We will talk about the paths of the panelists into teaching, the expectations that different institutions have for their faculty, and the views of the panelists on how future teachers can find the positions that they seek. Please join us for a discussion on the many ways you can build a career in education.

Lisa Bonner, Ph.D.

Science Department Chair, Professor
William Peace University
lbonner@peace.edu

Dr. Lisa Bonner has been a faculty member at William Peace University since 1988 and is currently a tenured Professor of Biology serving as the Science Department Chair, which oversees Biology, Chemistry and Physics. Lisa Bonner obtained her Ph.D. in Zoology from Mississippi State University. In addition to her administrative duties, Dr. Bonner teaches both lecture and laboratory based courses including Principles of Biology, Anatomy and Physiology, Invertebrate Zoology, Ethology, and Scientific Writing. She regularly mentors students in an ongoing Undergraduate Research program in her department. Her primary research interest is aquatic ecology with emphasis on assessing the ecological integrity of Crabtree Creek, a primary tributary of the Neuse River, which has historically been a focal point with reference to ecology and health concerns within the state of North Carolina. Bonner and her students have published work in journals such as *Hydrobiologia*, *Environmental Health Perspectives*, and the *Journal of Freshwater Ecology*. She and her students regularly present papers at state, regional and national conferences (NC Academy of Science, Association of Southeastern Biologists, and the

National Conference on Undergraduate Research). Dr. Bonner was also a recipient of the McCormick Distinguished Teaching Award and has procured grants for undergraduate research and laboratory renovation projects at Peace. Although her primary responsibility has been teaching, she has served as chair of innumerable committees and participated in summer academic travel and research opportunities. Prior to her current administrative appointment, Dr. Bonner served as Chair of the Division of Arts and Sciences (2009-2011), Chair of the Science Division (2003-2009), and Assistant to the VP of Academic Affairs as Academic Budget Coordinator (2005-06), and Coordinator of the Biology Program (1995-2001).

Maria Gallardo-Williams, Ph.D.

Teaching Associate Professor
North Carolina State University
mtgallar@ncsu.edu

Dr. Maria Gallardo-Williams is a teaching Associate Professor and Director of Undergraduate Organic Chemistry Labs, within the department of Chemistry, at North Carolina State University. Dr. Maria Gallardo-Williams obtained her PhD in 1999 from University of South Florida, from Dean F. Martin's lab where she conducted organic analysis mostly with an emphasis on natural products. She was a post-doctoral fellow at NIEHS for 2 years, first with Bob Chapin, then with Bob Maronpot working mostly on reproductive

toxicology/pathology. Her primary duty in her current position involves teaching 1 or 2 large courses per semester (around 140 students) and running all sections of the organic chemistry labs each semester. That's 4 different courses, over 70 sections total. Her job includes training TAs, managing the daily lab operations, and maintaining the e-books, websites, and learning managing systems for all the labs. She is the recipient of several awards, including the NCSU College of Sciences Outstanding Teaching Award (2015), NIH Award of Merit, National Institutes of Health (2002), Fellows Award for Research Excellence (2003), National Institutes of Health Fogarty Fellowship (2002), NIH Visiting Program, NIEHS, Research Triangle Park, NC, (February 2000-February 2002), in addition to several other awards during her graduate studies.

Lorriane Cramer, Ph.D.

Lecturer for Medical Microbiology

UNC Chapel Hill

Lorraine_cramer@med.unc.edu

Dr. Lorriane Cramer is a lecturer and faculty member at the University of North Carolina at Chapel Hill for Medical Microbiology. Dr. Lorraine Cramer received her PhD in 1998 from Indiana University where she had been studying how the activation of macrophages changed MHC class I peptide presentation on the TAP transporter proteins. She then took a post-doctoral position in 1998 with Dr. Jeffery Frelinger studying the activation of T cells and lipid raft formation. She has been a lecturer at the University of North Carolina at Chapel Hill for the Medical Microbiology since 2001 (her fourth lecture was on Sept. 11, 2001). She won a Teaching Excellence Award in 2005 from the UNC Medical School and also won a Johnston Teaching Award from UNC in 2009.

Session 3: Workshops

A. Negotiating Non-Academic Job Offers

1:45-2:45 pm | C111-A-B

Presented by:

Lori Conlan, Ph.D.



This session will cover the basics of what to look for in a job offer and how to negotiate the offer (if you even should negotiate). We will also cover how to make the transition to your new job easier by planning ahead. Topics will include: salary ranges, what to look at in the benefits package, and surviving your first 90 days. This session is appropriate for trainees moving into industry, non-profits, or other similar positions.

Lori Conlan, Ph.D.

Director, Office of Postdoctoral Services and NIH Career Services
National Institutes of Health
Conlanlo@mail.nih.gov

Lori M. Conlan, Ph.D. is trained as a biochemist, receiving her B.S. in biochemistry from Michigan State University and her Ph.D. in biochemistry and biophysics from Texas A&M University. She worked for several years as a postdoc at the Wadsworth Center, NYS Department of Health, before transitioning from the lab to focus on career issues for the next generation of scientists. Lori started as the director of the Science Alliance, an international career development program for graduate students and postdocs sponsored by the New York Academy of Sciences. She now is at the NIH in the Office of Intramural Training & Education assisting the 4000 NIH postdocs in their personal career choices. Lori is the director of two offices, the Office of Postdoctoral Services and the NIH Career Services Center. She speaks at universities and institutions around the nation on career development topics for young scientists.

Session 3: Workshops

B. How to Develop the Skills Needed for Careers in Science Outreach and Program Administration

1:45-2:45 pm | Room C113

Presented by:

Patrick Brandt, Ph.D.



In this workshop, Dr. Patrick Brandt will introduce you to program administration career options in the academic, government, and non-profit sectors. Some examples we will discuss include Outreach Director, Career Development Director, Program Director, Grant Officer, etc. PhD trained scientists are a great match for these fulfilling and influential positions given that they require proven skill in analytical thinking, project management, mentoring, advocacy, and scientific literacy. Dr. Brandt has paired his 6 years of experience as a program director in the UNC Office of Biomedical Graduate Education, together with survey data and anecdotes gathered specifically for this workshop from life science program administrators across the nation, to give you a sense of the typical job responsibilities, qualifications, compensation ranges, and career prospects you are likely to encounter in this broad field. Using examples of actual position announcements, Patrick will lead the group in a discussion of how to prepare now to be competitive for these careers.

Patrick Brandt, Ph.D.

Director of Career Development and Training

UNC Chapel Hill

pbrandt@email.unc.edu

Patrick directs the Training Initiatives in Biological and Biomedical Sciences (TIBBS) career awareness and professional skills development programming as well as the Immersion Program to Advance Career Training (ImPACT). Initiated in 2006, TIBBS is UNC's professional development program for life science graduate students. Funded by an NIH BEST grant in 2014, ImPACT is UNC's career exploration, job shadowing, and internship program that serves close to 1000 graduate student and postdoctoral trainees in the life sciences.

Patrick also directs the Certificate Program in Translational Medicine, which started as an HHMI funded program in 2006. He developed the Summer of Learning and Research (SOLAR) undergraduate research program and was SOLAR director from 2009 through 2013. Patrick also developed and oversees RCR training for first year PhD

students who enter through BBSP. Patrick has a track record of grant writing success and was instrumental in securing \$5.4 million in grant funding from HHMI, NIH, BWF, and NCBC to fund career development, outreach, and training initiatives.

Patrick earned his PhD in Biochemistry from the University Of Rochester School Of Medicine where he studied the enzymes involved in lagging strand DNA replication and a related DNA repair pathway. After a short postdoc at the National Institute of Environmental Health Sciences, Patrick joined the Office of Graduate Education in 2008.

Session 3: Workshops

C. Managing Your Research Career Using an Individual Development Plan (IDP)

1:45-2:45 pm | Room C114

Presented by:

Dara Wilson-Grant, MS.Ed., NCC, LPC



For better or for worse, your experiences and the training you receive as a graduate student and postdoctoral fellow can greatly impact and shape the rest of your career. However, there are proven strategies and resources that can enhance your chances of getting what you came for. During this program participants will learn how to develop clear and specific goals and objectives, along with a plan for executing them.

Dara Wilson-Grant, MS.Ed., NCC, LPC

Associate Director, Career Counselor,
UNC Office of Postdoctoral Affairs &
Owner, Consultant, Careers in Bloom
dwgrant@email.unc.edu

Dara brings more than 15 years of experience providing counseling and career management education to students, postdoctoral scholars, and business professionals across a wide range of disciplines and career fields. She holds a Master's Degree in Counseling and is a Licensed Professional Counselor. Her career management workshops have been presented at national and international universities, government agencies, and research institutions.

Session 4: Career Panels

A. Contract Research Organizations

4:00-5:00 pm | Room C111-C

Moderator: Jackson Hoffman, Ph.D.

Have you ever wondered about research opportunities outside of academia, government, and industry? Contract Research Organizations (CROs) were first established in the late 1970s and quickly took on a significant role in research and development. CROs provide research support to the pharmaceutical, biotechnology, and medical fields as well as research institutions and government organizations. With many companies outsourcing their work to these organizations, the interest and growth in this field has been exponential. This panel focuses on the various opportunities within CROs. Learn about what it is like to work at a CRO, why the panelists chose this career path, and how they obtained employment within the company.

Anne Lai, Ph.D.

Research Scientist

Expression Analysis

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Anne Lai completed her undergraduate studies at UC Berkeley, with a degree in Molecular and Cell Biology in 2000. Upon graduation, she joined SurroMed, Inc., a start-up biomarker discovery company in Palo Alto, CA, as an Assistant Scientist before relocating to North Carolina for graduate school in 2002. She obtained her Ph.D. in Immunology at Duke University in 2007 and joined Dr. Paul Wade's lab at NIEHS as a postdoc fellow, where she researched on epigenetic determinants in lymphomagenesis and in normal lymphocyte differentiation. In 2013, she obtained a position at Expression Analysis, a Quintiles company, as a Research Scientist in the Genomic Research and Development group, where she evaluates new technologies and develops assays for personalized medicine and clinical trial testing.

Erica Troksa, Ph.D.

Senior Staff Scientist

Covance

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Erica Troksa is a senior staff scientist in the Translational Biomarker Solutions group at Covance, Inc with 14 years of laboratory

experience. In the scientist role at Covance, Dr. Troksa analyzes pre-clinical and clinical liquid biopsy biomarker levels in pharmacokinetic and pharmacodynamic studies to help bring drugs to market. Her main focus is assay development of novel biomarkers on advanced detection platforms such as MesoScale Diagnostics, Luminex, Singulex, Gyros and traditional ELISA. In addition to her scientific role as staff scientist, she also provides project management for clients by transferring scientific knowledge and project objectives to build effective and collaborative relationships. Prior to her career at Covance, Erica worked as a field application scientist for EMD Millipore, where she was first trained on developing, operating and analyzing multiplex assays on the Luminex Platform. Erica Troksa received her Doctorate in Pharmacology from the University of Illinois at Chicago in 2011.

Stacy Millon, Ph.D.

Senior Clinical Analytics and Simulations Lead

Quintiles

Stacy.millon@yahoo.com

Stacy Millon is a Senior Clinical Analytics and Simulations Lead on the Clinical Planning and Analytics team within Quintiles. She drives the development of clinical operational strategy for upcoming studies from a site and patient recruitment planning perspective. Her focus is in indications specific to the Central Nervous System and she

works with a team of experts and thought leaders in these indications to determine the strategies. Prior to this role, Stacy worked in the Proposals group within Quintiles creating the proposals and budgets for the clinical operational strategies that are created by her current team.

Stacy received her BS from Michigan Technological University, and was an NSF Fellow while obtaining her MS from the University of Wisconsin-Madison and PhD from Duke University all in Biomedical Engineering. Her focus was on the use of light for detection in metabolic changes on the cellular and tissue level for her doctoral work. Following the six months after she defended she obtained a Real Estate Broker license in the state of North Carolina.

Session 4: Career Panels

B. Scientific Review Officer/Grants Management

4:00-5:00 pm / Room C114

Moderator: John House, Ph.D.

How are scientific projects and programs organized? Who coordinates and manages NIH grants and programs? We have all enjoyed scientific programs, and this panel is about the people who develop and run them. The panelists come from academia and government and work at different levels on a variety of programs providing a broad perspective. All of them coordinate and organize scientific information, programs and/or people. Join us to learn more about working in the logistical side of science.

Erin Hopper, PhD

Research Director for Research Opportunities Initiative, Office of Research and Graduate Education
UNC – General Administration
edhopper@northcarolina.edu

Erin Hopper, PhD is the Research Director for the Research Opportunities Initiative (ROI) in the Office of Research and Graduate Education at UNC General Administration (GA). As director of ROI, she manages the competitive process for distribution of research funds in six priority areas as outlined in the strategic plan for the North Carolina university system. Her role also involves supporting the commercialization of research across the state and communicating the significance of North Carolina research to the broader community.

Before joining the staff at UNC GA, Erin served as Director of Training Initiatives in Biomedical and Biological Sciences (TIBBS) in the Office of Graduate Education at the University of North Carolina at Chapel Hill. In this role, she provided professional development support and programming for graduate students and postdoctoral fellows.

Erin received her B.S. in chemistry at the University of North Carolina at Chapel Hill, earned her PhD in chemistry from Duke University, and completed her postdoctoral training at the National Institute of Environmental Health Sciences (NIEHS), where she was active in education and training initiatives for science trainees.

Jonathan A. Hollander, M.S., Ph.D.

Program Director
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Jonathan.hollander@nih.gov

Jonathan Hollander, Ph.D., is a program director in the Genes, Environment, and Health Branch at NIEHS. Hollander received his doctorate from the Behavioral Neuroscience Program (formerly Biological Program) in the Psychology department at the University of North Carolina at Chapel Hill in 2006. Prior to joining the Division of Extramural Research and Training of the NIEHS, he was a Staff Scientist in the Molecular Therapeutics and Neuroscience Departments at The Scripps Research Institute – Florida. His research background includes the use of genetic, behavioral, electrophysiological and pharmacological methods to study drug addiction and obesity. As part of a joint fellowship with UNC-Chapel Hill, Jonathan also worked in the Neurotoxicology Branch of the U.S. Environmental Protection Agency (EPA) where he studied the neurodevelopmental effects of polychlorinated biphenyl (PCB) exposure. During his tenure at the EPA, UNC-Chapel Hill, and Scripps Florida he was successful in obtaining NIH fellowship and early career awards, and played a key role in developing and implementing new research programs in the aforementioned areas.

Jonathan is responsible for basic mechanistic grants in Parkinson's disease and a portion of the neurodevelopmental toxicology portfolio. In addition, he manages grants that focus on

applications of brain imaging techniques.

Janice B. Allen, Ph.D.

Scientific Review Officer

NIEHS/DERT

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Janice Benson Allen received her undergraduate degree at UNC-Chapel Hill in Chemistry/Biology and her PhD at the North Carolina State University College of Veterinary Medicine in Cell Biology and Biotechnology. Her research area concentrated on the pathogenesis of inflammation, with a focus in *in vitro/in vivo* models of acute and chronic inflammation, cytokines and growth factors, oxidative stress, and transcriptional factors/regulation of gene expression. Dr. Allen worked at the NIDDK and NIDCR in Bethesda, MD as an intramural chemist prior to serving as a faculty member at the NCSU-CVM, where she received funding from the NIH (NEI), NRC, NSF, NC Biotechnology Center, Veterinary Equine Research Center, Morris Animal Foundation, Blue Ridge Pharmaceuticals and state funds of North Carolina. Dr. Allen mentored several undergraduate and graduate students and postdoctoral fellows while at the NIH and NCSU-CVM. She has been a Scientific Review Officer for the NIEHS since 2002. In this position she is responsible for the initial administrative, scientific and technical review of research grant and fellowship applications and contracts assigned to the NIEHS before forwarding them to outside consultants for detailed peer review. She assures that a uniform interpretation of NIH grant/contract policies and procedures is given both to applicants and review consultants, and prepares summary statements of review committee findings and recommendations.

Session 4: Workshops

A. Leveraging LinkedIn for Expertise Development and Career Opportunities

4:00-5:00 pm | Room C111-A-B

Presented by:

William Blackmon



This brief seminar is designed to introduce professionals to the importance of LinkedIn for creating their on-line expertise brand and seeking career opportunities. Topics we will cover are: LinkedIn profile development to showcase expertise, social behavior etiquette with invitations, expanding your network with alumni, peers, and subject-matter experts, and what common mistakes to avoid on LinkedIn.

Join William Blackmon, CEO of Apogee Social Media Group, as he shares an impact presentation that will have you using LinkedIn at a whole new level. Get noticed. Grow your network. Create the online professional brand you want.

Catapult your LinkedIn presence!

William Blackmon

CEO, Apogee Social Media Group

William@apogeemsg.com

William is founder and CEO of Apogee Social Media Group, based in Raleigh, NC. His knowledge and experience, specific to the LinkedIn platform, has made him one of the most sought after trainers and consultants for individuals, companies and universities in the area.

He has been featured on WRAL-TV, My Carolina Today, “Art of Potential” on WCHL radio, Internet Summit, and many other community and social media venues. As a recognized expert, William is a standing presenter at Duke University’s Fuqua School of Business and Center for International Development, Wake Tech Community College, and has made guest speaking appearances at Meredith College School of Business MBA Program, and North Carolina Central University.

Session 4: Workshops

B. Starting Your Own Lab

4:00-5:00 pm | Room C113

Presented by:

Sharon Milgram, Ph.D.



In this seminar, Dr. Milgram will discuss the challenges associated with transitioning from a postdoctoral fellowship to a new faculty position with your research group. Learn how to navigate the academic environment in your future department. She will also discuss important points to consider when deciding what equipment you need to set up your research group and how to find the best people to work in your research group. Also, you will acquire information about various other expectations of a junior faculty member.

Sharon Milgram, Ph.D.

Director, Office of Intramural Training and Education
NIH Office of the Director
milgrams@od.nih.gov

Dr. Sharon Milgram received a BS degree in Physical Therapy from Temple University in 1984 and a PhD in Cell Biology from Emory University in 1991. She completed a postdoctoral fellowship at The Johns Hopkins University before joining the faculty at The University of North Carolina at Chapel Hill in 1994. At UNC, Dr. Milgram rose to the rank of Full Professor with Tenure in the Department of Cell & Developmental Biology. Her research was supported by grants from the NIH, NSF, Cystic Fibrosis Foundation and American Heart Association. Dr. Milgram held a number of training positions at UNC including the Associate Director of the Medical Scientist Training Program, Director of the Interdisciplinary Biomedical Sciences Graduate Program, and the Director of the Summer Undergraduate Research Experience. She founded and advised the UNC Office of Postdoctoral Services and served on the advisory committee of the Signal Xi National Postdoc Survey. Dr. Milgram served as Principal Investigator on an NSF REU grant to support undergraduate research, an NIH training grant in Cell and Developmental Biology, and an NIH Initiative to Maximize Student Diversity grant. In 2007, Dr. Milgram joined the NIH Office of the Director as the Director of the Office of Intramural Training and Education. There she directs a trans-NIH Office dedicated to the career advancement of over 5000 trainees, ranging from high school and college students to postdoctoral and clinical fellows. Until recently, Dr. Milgram was also a Senior Investigator in the National Heart Lung and Blood Institute and an Adjunct Investigator in the National Human Genome Research Institute, where she continued her research in the area of epithelial cell

biology and cell signaling. Dr. Milgram lectures widely on science careers, mentorship, leadership, and management in research environments.

Exhibitors



National Institute of Environmental Health Sciences

Trainees Assembly

NIEHS Trainees Assembly (NTA)
National Institute of Environmental Health Sciences
111 T.W. Alexander Drive
Research Triangle Park, North Carolina 27709
www.niehs.nih.gov/careers/research/nta

The NIEHS Trainees Assembly (NTA) is an organization started by fellows and graduate students at the NIEHS in order to foster the professional development of NIEHS trainees. The NTA is comprised of all non-tenured, non-permanent scientists training at the Institute. Due to the diversity of scientists in training at the NIEHS and the broad range of training needs, the NTA organizes and sponsors a variety of activities.

NTA Mission:

- a. To cultivate an atmosphere of intercommunication among members.
- b. To assist in the orientation of new domestic and international fellows.
- c. To organize educational activities both independently and in collaboration with the Office of Fellows' Career Development (OFCD).
- d. To inform trainees about opportunities in both bench and non-bench career paths.
- e. To promote open communication between trainees and the NIEHS administration by serving as the official liaison.
- f. To create opportunities for fellows to receive guidance and mentoring tailored to their career goals by working with the NIEHS administration and OFCD.

NTA Steering Committee

The NTA Steering Committee is made up of fellows and graduate students who volunteer to address the needs of trainees and help organize and lead activities for trainees including: The Annual Career Symposium, Science Day (Mentor of the Year), Monthly Career Workshops, Training, Brown Bag Lunches, and Social Events. In addition, NTA Steering Committee members serve on a variety of committees including: the DIR Council, the Assembly of Scientists, the NIH FELCOM, and the Office of Science Education and Diversity Advisory Committee. Participation in the NTA Steering Committee and in subcommittees provides excellent leadership training and networking opportunities. We meet every third Wednesday of the month. Please contact the NTA at monica.frazier@nih.gov to give us your input and to find out how you can get involved.

Exhibitors



Geeks-N-Taps hosts events that feature scientists talking about the science of beer. Featured in Our State Magazine's April edition, Geeks-N-Taps is where the nerdiest and sexiest go that seeks out a killer IPA, some new knowledge, and some attractive company. Geeks-N-Taps is not just for science geeks, it is for anyone who likes to learn about cool amazing stuff while having a beer and lots of fun. Stop by Geeks-N-Taps table to learn about starting a science outreach entrepreneurial adventure or to volunteer as a Geek at one of the upcoming events.

For more information visit our webpage at [Geek-N-Taps](#)

Exhibitors



Graduate Women in Science (GWIS) Rho Tau chapter gives its members a route to diversify their scientific life and become a part of the larger scientific Triangle community. Our members hail from academia, government, and biotech/clinical for-profit companies. Nationally, our mission is to advance the participation and recognition of women in science and to foster research through grants, awards, and fellowships.

Locally, we are eager to foster networking/professional development, provide educational outreach opportunities, and support those preparing GWIS fellowship applications. We recognize the value of strengthening one another in every challenge that scientists face today. Accept our invitation to join GWIS today! See our website for examples of past events, as well as upcoming events. Contact Info: rhotaugwis@gmail.com

Acknowledgements

2015 NIEHS Biomedical Career Symposium Planning Committee

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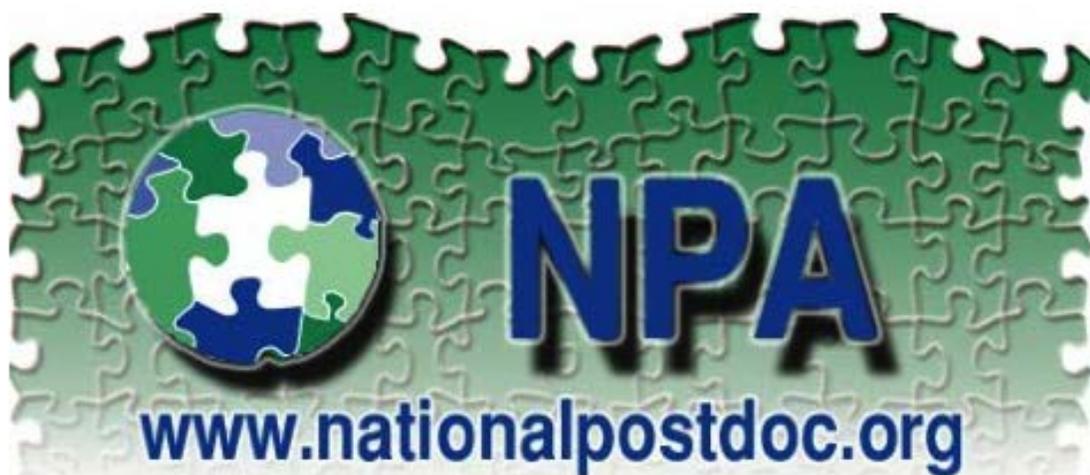
Acknowledgements



Providing a national voice and seeking positive change for postdocs

The NPA is a national professional association working to represent the interests of postdoctoral scholars through advocacy, resource development, and community-building. We welcome the involvement of postdocs, graduate students, faculty, administrators, and others working to enhance the postdoctoral training experience.

Join the NPA today: an investment in your future.



Free membership available to postdocs and graduate students affiliated with NIEHS, UNC Chapel Hill, Duke University, NC State and other NPA sustaining member institutions. Visit the NPA website for further details and to complete your membership application.

[National Post Doc Association Website](http://www.nationalpostdoc.org)

Acknowledgements

Today's Career Fair is organized entirely by postdoctoral fellows at the NIEHS and EPA who volunteer their time and efforts. All of the food and beverages provided today were bought with funds donated by the NIEHS and EPA community. This event would not be possible without the support of the organizations and companies acknowledged in the booklet. We also very much appreciate and depend on the good will and support of many people working behind the scenes including the following:

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Donna J. Corcoran, Senior Art Director, NIEHS' Multimedia Services

Cheryl Thompson, M.B.A., Web Manager, NIEHS

Frances Primm, Lead Developer, Sydney Gomes, Creative Director, Kenneth Webb, Lead Percussion CMS Developer, Jordan Lewis (JavaScript Developer), Sylvia Richardson (Quality Assurance), and Qasim Rasheed, Program Manager, NIEHS WDDMS, Net eSolutions Corporation

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Kristin Gabor, PhD and Bethany Hsia, PhD, NIEHS, Co-Chairs of 2014 Career Fair

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Career Resource List

The following list of resources was initially compiled by the 2011 NIH Career Symposium Fellows Committee, OITE/NIH. These are provided for your reference, and do not imply endorsement by the OITE or the NIH. Additionally, this is only a partial representation of the wealth of information available to you in print and online.

FEDERAL RESOURCES

[Office of Intramural Training and Education](#)

[NIH IC Training Offices](#)

[Prior OITE Workshop Videos](#)

[NIH Scientific Interest Groups](#)

NORTH CAROLINA RESOURCES

[NC Biotechnology Center](#)

[Sigma Xi](#)

[Triangle Jobs](#)

[The Research Triangle Park](#)

[Women in Bio - RTP Chapter](#)

[NIEHS Trainees' Assembly](#)

[NIEHS Office of Fellows Career Development](#)

GENERAL CAREER LINKS

[Biospace Careers](#)

[Biocareers](#)

[The National Postdoctoral Association](#)

[Science Careers](#)

[Nature Jobs Science](#)

[LinkedIn](#)

[My IDP](#) (Individual Development Plan)

BOOKS AND OTHER RESOURCES

What Color is your Parachute? By Richard Bolles

Do What You Are by Paul Tieger and Barbara Baron

Alternative Careers in Science, Second Edition: Leaving the Ivory Tower (Scientific Survival Skills) Editor: Cynthia Robbins-Roth

Guide to Non-traditional Careers in Science by Karen Young Kreeger

Career Advice for Life Scientists Volumes I, II, and III Editor: Elizabeth Marincola (The American Society for Cell Biology)

So What are You Going to Do With That?: Finding Careers Outside Academia by Susan Basalla and Maggie Debelius

Putting Your Ph.D. to Work by Peter Fiske

Academic Scientists at Work: Navigating the Biomedical Research Career by Jeremy M. Boss and Susan H. Eckert

Tomorrow's Professor: Preparing for Careers in Science and Engineering by Rick Reis

A Ph.D. is not Enough! A Guide to Survival in Science by Peter J. Feibelman

At the Helm by Kathy Barker

Getting to Yes: Negotiating agreement without giving in by Roger Fisher and William Ury

The American Society for Cell Biology Publications (Career Resource Booklets)
[ASCB Publication Link](#)

Career Development for Chemists Book List
[Balbes Careers](#)

ONLINE RESOURCES

[Howard Hughes Medical Institute Link](#)

[Online Resources of Scientists](#)

[Naturejobs: Career Toolkit](#)

[Science Careers Blog: Seeking An Alternative Career](#)

[My IDP Website](#)

SALARY INFORMATION

[Naturejobs: Salaries](#)

[Glassdoor Website](#)

[Average Salary for Science Professionals](#)

[Offices of Personnel Management: Salaries & Wages](#)

[The Scientist: Life Sciences Salary Survey, 2012](#)

[PayScale Salary Survey](#)

[The Chronicle of Higher Education: 2013-14 AAUP Faculty Salary Survey](#)

ADDITIONAL TRAINING AND CERTIFICATE PROGRAMS

Foundation for Advancing Education in the Sciences

[FAES Website](#)

Grant Management Training for Nonprofit Applicants and Recipients

[EPA Training Link](#)

Grant Writing and Grants Management Training Workshops & Seminars

[Grant Writing USA Website](#)

Science Communication Program at the University of California, Santa Cruz

[UCSC Science Communication Program Website](#)

[The Science, Health and Environmental Reporting Program \(SHERP\) at NYU](#)

DABT (Diplomate of the American Board of Toxicology)

[ABT Website](#)

RAC (Regulatory Affairs Certification)

[RACS Website](#)

FELLOWSHIP OPPORTUNITIES

NC Biotechnology Center Industrial Fellowships

[NC Biotech: Grants and Funding Link](#)

[FDA: Commissioner's Fellowship Program](#)

[AAAS Fellowships Link](#)

[AAAS Mass Media and Engineering Summer Fellowship Link](#)

[AAAS Science and Technology Policy Fellowships](#)

[Presidential Management Fellows Program Link](#)

NIH Intern and Fellow Programs
[NIH Office of Human Resources](#)

[Christine Mirzayan Science & Technology Policy Graduate Fellowship Program](#)

Teach for America: Help Ensure Educational Opportunity for All
[Teach For America Website](#)

Institutional Research and Academic Career Development Awards (IRACDA)
[IRACDA Information Link](#)

FEDERAL GOVERNMENT JOBS

USAJOBS	USA Jobs Website
US Patent and Trademark Office	US Patent and Trademark Website
Scientists of the US Public Health Service	USPHS Scientist Category Website
Working at FDA	Working at FDA
National Science Foundation	NSF Careers Link
Opportunities at CDC	CDC Employment
NIH jobs	NIH Careers
NIH Office of Science Policy	NIH: Office of Science Policy Homepage
NIH Center for Scientific Review	NIH: Center for Scientific Review
NIH Office of Technology Transfer	NIH: OIR/OTT
Opportunities at NIH for Non-U.S. Citizens	NIH: Careers for Non-Citizens

Below are websites containing job listings and other resources for specific career fields. To read articles related to these various careers visit: [Science Careers: Career Profiles](#)

CAREERS IN NON-PROFITS OR SCIENCE WRITING

[American Public Health Association: Advocacy and Policy](#)

[Association of Fundraising Professionals](#)

[National Grants Management Association](#)

[Grants Management Training and Resources](#)

[Idealist: Jobs in Nonprofits](#)

[AAAS Communicating Science: Tools for Scientists and Engineers](#)

[The American Medical Writer's Association](#)

[The National Association of Science Writers](#)

[Council of Science Editors](#)

[Council for the Advancement of Science Writing](#)

[The World Federation of Science Journalists](#)

[The Science Communication Network](#)

[The Health and Science Communications Association](#)

[Science Media Group](#)

[New Science Journalism Project](#)

[The Public Library of Science \(PLOS\) Blogs Network](#)

ACADEMIC POSITIONS

[NIH Office of Extramural Research: Grant Application Basics](#)

[Science Careers: Grants Net](#)

[Career Guide for Scientists: Getting Tenure](#)

[Academic Careers Online](#)

[HigherEdJobs](#)

[Academic Employment Network](#)

[Transitions Abroad Website](#)

[Carnegie Foundation for the Advancement of Teaching](#)

[Academic360: Academic Job Hunting Resources](#)

[Academic Careers Online: Listings for Teaching, Education, Research and Professional Jobs](#)

[Academic Keys: Listings for Academic Jobs](#)

[The Chronicle of Higher Education: Information and Jobs for Faculty and Administrators](#)

[Academic Employment Network: Jobs and Resources](#)

NON-TENURE TRACK ACADEMICS AND GOVERNMENT

[NIH Staff Scientists/Staff Clinicians Org.](#)

[Non-Tenure Track Careers](#)

[Adjunct Nation: Resources and Jobs for Temporary Faculty](#)

[The Association of Biomedical Resources Facilities](#)

[PhDs.org Non-Tenure Track jobs](#)

CAREERS IN TEACHING AND PUBLIC OUTREACH

[“A Career at the Museum” by Ricki Lewis](#)

[Careers in Science Education and Outreach](#)

[National Association of Biology Teachers](#)

[NAFSA: Association of International Educators](#)

[Great Teacher](#)

[NIH Office of Science Education](#)

[National Science Teachers Association \(NSTA\)](#)

[NASA Science: Education and Public Outreach](#)

[European Southern Observatory Science Outreach Network](#)

[AAAS Global Outreach](#)

[Great Teacher: Resources and Information for the Education Field](#)

[National Education Association \(NEA\)](#)

CAREERS IN POLICY

[Beyond Sputnik: U.S. Science Policy in the Twenty-First Century”](#)

By Homer A. Neal, Tobin L. Smith and Jennifer B McCormick

[U.S. Office of Science and Technology Policy](#)

[US House of Representatives Committee on Science and Technology](#)

[Science and Development Network](#)

[Research! America](#)

[Institute on Science for Global Policy](#)

[AAAS Federal R&D Budget: Science and Policy Programs](#)

[FASEB Science Policy Resources and Links](#)

INDUSTRY – GENERAL

[NC Biotech Companies](#)

[Biotechnology Industry Organization](#)

[Fierce Biotech](#)

INDUSTRY CAREERS AT THE BENCH

[“Tips on How Academic Scientists Can Make the Career Switch to Industry”](#)

By Don Rule

[“What to Expect During a Structured Interview for a Research Scientist Position”](#)

[BioCareers.com article: “Getting Started with Biopharma Research”](#)

By Christine Traxler

[Biocareers Biopharma Research](#)

CAREERS AWAY FROM THE BENCH

[Careers Away from the Bench](#)

[PhDs.org: Business Schools for Scientists](#)

[“MBA Programs Expand Career Prospects for Cross-Trained Scientists”](#)

By Robert Finn

PROGRAM MANAGEMENT

[Project Management Institute Website](#)

CONTRACT RESEARCH ORGANIZATIONS (CRO)

[Contract Pharma Magazine](#)

[Charles River \(CRO\)](#)

[Covance \(CRO\)](#)

[Quintiles](#)

INTELLECTUAL PROPERTY

[Knowledge Management Professional Society \(KmPro\)](#)

[NCI Technology Transfer Center Employment Opportunities](#)

[Association of University Technology Managers](#)

[Emory Office of Technology Transfer](#)

[National Tech Transfer Center](#)

[Licensing Executives Society](#)

[US Public Health Service Scientist Professional Advisory Committee](#)

CONSULTING, VENTURE CAPITAL AND ENTREPRENEURSHIP

“Case in Point: Complete Case Interview Preparation”
Book by Marc P. Cosantino

[Booz Allen Hamilton: A Strategy and Technology Consulting Firm](#)

[Accenture](#)

[McKinsey and Company](#)

[The Boston Consulting Group](#)

[Sg2 Healthcare Solutions](#)

[Capgemini](#)

[The 411 on Startups](#)

[My Corporation.com](#)

[Intuit Community Service](#)

[The Angel Capital Education Foundation](#)

[Harvard Business School Entrepreneurship](#)

[Free Management Library](#)

[Businessplans.com](#)

[The U.S. Small Business Administration \(SBA\) Office of Technology: Small Business Innovation Research \(SBIR\) Program and the Small Business Technology Transfer \(STTR\) Program](#)

Funding Sources List

Useful Funding Agency Resources

[Grantsnet](#) - a searchable database (courtesy of HHMI and AAAS)

[NIH Office of Extramural Research](#)

[American Association for Cancer Research](#)

[American Brain Tumor Association](#)

[American Diabetes Association](#)

[American Lung Association](#)

[American Skin Association](#)

[Burroughs Wellcome Fund](#)

[Damon Runyon-Walter Winchell Foundation](#)

[Dystonia Medical Research Foundation](#)

[Graduate Women in Sciences Fellowship](#)

[Helen Hay Whitney Foundation](#)

[Jane Coffin Childs Memorial Fund](#)

[Life Sciences Research Foundation](#)

[L'Oréal Fellowship](#)

[National Fragile X Foundation](#)