

Professional Development Initiatives Summary: **PhD Program Career Events – Short Term**

Lead Applicant:

Doug Barrick
Professor of Biophysics, KSAS
barrick@jhu.edu

Key Collaborators

Dr. Juliette Lecomte
Professor of Biophysics, KSAS
lecomte_jtj@jhu.edu

Dr. Gregory Bowman
Professor of Biophysics, KSAS
gdbowman@jhu.edu

Short Description, Goals

4 events. To expose students in the Program in Molecular Biophysics and the T.C. Jenkins Program in Biophysics to diverse career paths available to PhDs in Biophysics. Drawing from alumni from the Program in Molecular Biophysics, We will bring in dynamic speakers from the biotech sector, public policy position, science writing, finance and analytics, and law. Students will learn what careers in these fields are like, what skills they possess for these careers, what skills they lack, and how they should develop them, and how to present themselves to get a job in each sector.

Lead Applicant:

Judy Bass
Associate Professor, Vice Chair for Education, Global Mental Health (GMH) T32 Training Grant Director
Department of Mental Health, BSPH
jbass1@jhu.edu

Key Collaborators

Elizabeth Stuart
Professor Mental Health, SPH
estuart@jhu.edu

Renee Johnson
Associate Professor of Mental Health SPH
rjohnson@jhu.edu

Heather Volk
Associate Professor Mental Health, SPH
hvolk1@jhu.edu

Scott Hubbard
Administrator for DMH/T32s SPH
ehubbard1@jhu

Brion Maher
Professor of Mental Health, SPH
brion@jhu.edu

Short Description, Goals

4 events. Provide current and future doctoral students who are interested in the field of public mental and behavioral health with the range of potential non-academic career pathways through hearing first-hand experiences from individuals pursuing these careers. We propose to hold 4 career days over the course of the academic year (1 per term) which will include a lunchtime panel presentation with invited guests and opportunities for individual and small-group meeting with panel participants throughout the day.

Lead Applicant:

Brian Caffo
Professor of Biostatistics, BSPH
bcaffo@jhsph.edu

Key Collaborators

Benjamin Ackerman
PhD Alumnus, Biostatistics, BSPH
backer10@jhu.edu

Eli Sherman
PhD Student, Computer Science, WSE
esherm95@gmail.com

Brooke Jarrett
PhD Student, Epidemiology, BSPH
brooke@jhmi.edu

Cynthia Steinhardt
PhD Student, Biomedical Engineering, SOM
csteinh2@jhu.edu

Short Description, Goals

One 1-day event. The main goal of the proposed initiative is to expose students to health-related careers in data science. Data science is a growing, interdisciplinary field that recruits social scientists, computer scientists and statisticians to collaborate in data-driven careers. PhD students will benefit from our initiative in the following ways: (1) Discovering new career opportunities to apply their skills, (2) Gaining insight into the day-to-day responsibilities and impact of data scientists, and (3) Connecting with data scientist recruiters. In light of the COVID-19 pandemic, these events may be hosted virtually.

Lead Applicant:

Vikram S. Chib
Assistant Professor of Biomedical Engineering, SOM
vchib@jhu.edu

Key Collaborators

Jay Baraban
Professor of Neuroscience, SOM
jay.baraban@gmail.com

Solange Brown
Professor of Neuroscience, SOM
spbrown@jhmi.edu

Haley Abramson
PhD Student, Biomedical Engineering, WSE/SOM
habrams6@jhmi.edu

Karla Robles
PhD Student, Biomedical Engineering, WSE/SOM
krobles2@jhmi.edu

Short Description, Goals

We aim to teach negotiation skills to PhD students to prepare them for entering the career field, choosing exciting research projects in the lab, and communicating throughout everyday life. A workshop focused on negotiation will train students in teamwork, problem solving and analysis, and the ability to create win-win situations.

Lead Applicant:

Nathan Connolly
Herbert Baxter Adams Associate Professor of History
Director, Racism, Immigration, and Citizenship Program
Racism, Immigration, and Citizenship and History Department, KSAS
nconnol2@jhu.edu

Key Collaborators

Stuart Schrader
Lecturer/Assistant Research Scientist, Sociology
Associate Director, Racism, Immigration, and
Citizenship, KSAS
stuart.schrader@jhu.edu

Vesla Weaver
Bloomberg Distinguished Associate Professor
Political Science and Sociology, KSAS
vesla@jhu.edu

Christy Thornton
Assistant Professor, Sociology, KSAS
christy.thornton@jhu.edu

Short Description, Goals

4 Events. KSAS boasts doctoral students in multiple departments interested in the history, policy, and social impact of the criminal justice system. However, we have no shared set of resources across these disciplines for helping students network with senior scholars and non-profit leaders to identify funding and fellowship opportunities, or to pursue tracks for careers outside the academy in the area of criminal justice reform. RIC's initiative would introduce PhD students to organizations, activities, and positions available in the field of criminal justice reform broadly construed. It would bring to campus several high-profile speakers working on criminal justice reform, and complement RIC's broader professionalization efforts via writing workshops and graduate student networking.

Lead Applicant:

Peter Espenshade

Professor of Cell Biology and Associate Dean for Graduate Biomedical Education, SOM

peter.espenshade@jhmi.edu

Key Collaborators

Steven Claypool

Associate Professor

Physiology, Cellular and Molecular Physiology

PhD Program Director, SOM

sclaypo1@jhmi.edu

James Knierim

Professor of Neuroscience

Co-Chair Neuroscience

PhD Program, SOM

jknierim@jhu.edu

Rajini Rao

Professor

Physiology, Cell and Molecular Medicine

PhD Program Director, SOM

rrao1@jhmi.edu

Rejji Kuruvilla

Professor of Biology

Co-Chair Cell, Molecular, Developmental Biology, and

Biophysics PhD, KSAS

rkuruvilla@jhu.edu

Caren Freel Meyers

Associate Professor of Pharmacology and

Molecular Sciences, SOM

Director Pharmacology PhD program

cmeyers@jhmi.edu

Michael Matunis

Professor of Biochemistry and Molecular Biology,

Director Biochemistry and Molecular Biology

PhD program, BSPH

mmatuni1@jhu.edu

Brendan Cormack

Professor Molecular Biology & Genetics, XDBIO

PhD Program Director, SOM

bcormack@jhmi.edu

Patricia Phelps

Director Professional Development and Career Office

(PDCO), SOM

Pphelps4@jh.edu

Arhonda Gogos

Director

Biochemistry, Cellular & Molecular Biology

PhD Program, SOM

agogos@jhmi.edu

Trudee Wooden

Senior Associate Director of Alumni Relations. SOM

twooden2@jhmi.edu

Doug Barrick

Professor of Biophysics

Co-Director Molecular Physics

PhD Program, SOM

barrick@jhu.edu

Madeline Stokes

Director of Innovation Initiatives and Corporate

Relations

Johns Hopkins Technology Ventures

mstokes@jhu.edu

Short Description, Goals

Create rich connections between PhD programs and our PhD alumni working in the largest Biotech Hub in the country – Boston. The Biotech industry is an amazing career opportunity for our PhD students where they can continue their cutting-edge research. However, our students lack an understanding of the culture and various opportunities that exist in Biotech. We must go beyond a career panel featuring alumni for them to truly understand what a career in Biotech is like and more importantly – help them make key connections to help find the right opportunity. We will build a strong Boston Biotech JHU alumni network.

Lead Applicant:

Lisa Feigenson
Professor, Psychological and Brain Science, KSAS
feigenson@jhu.edu

Kyle Rawlins
Associate Professor, Cognitive Science, KSAS
kgr@jhu.edu

Key Collaborators

Brittney Boubli
Graduate student
Psychological and Brain Sciences, KSAS
bboubli1@jhu.edu

Lionel Rodriguez
Graduate student
Department of Neuroscience, SOM
lionel.rodriguez@jhmi.edu

Tabitha Kim
Graduate student
Psychological and Brain Sciences, KSAS
tkim87@jhu.edu

Hannah Schryver
Graduate student
Psychological and Brain Sciences, KSAS
hannah.schryver@jhu.edu

Barbara Landau
Dick and Lydia Todd Professor of
Cognitive Science, KSAS
landau@jhu.edu

Garima Shah
Graduate Student
Psychological and Brain Sciences, KSAS
gshah5@jhu.edu

Shima Rahimi Moghaddam
Graduate student
Psychological and Brain Sciences, KSAS
trahimi1@jhu.edu

Paul Smolensky
Krieger-Eisenhower Professor of
Cognitive Science, KSAS
smolensky@jhu.edu

Natalia Philippova
Graduate student
Department of Cognitive Science, KSAS
talmina@jhu.edu

Short Description, Goals

A growing number of PhD graduates from the departments of Psychological and Brain Sciences (PBS), Cognitive Science, and Neuroscience are pursuing non-academic jobs. Our main goal in this initiative is to increase knowledge, exposure, and skills for PhD students who want more information about non-academic careers. This speaker series will provide a comfortable environment for graduate students to learn about and discuss career paths outside of academia, through discussions led by a combination of alumni from from PBS, Neuroscience, and Cognitive Science who have successfully pursued non-academic careers, as well as a few non-alumni speakers. This event will benefit students by providing them with essential information for planning and decision-making about the next steps in their career, and by offering students the opportunity to network with the panelists.

Lead Applicant:

Stephanie Helleringer
Associate Professor of Population
Family and Reproductive Health, BSPH
sheller7@jhu.edu

Key Collaborators

Donna Strobino, Professor and Vice Chair of
Department of Population, Family and
Reproductive Health, BSPH
dstrobi1@jhu.edu

Grace Sheehy
PhD student, Department of Population, Family and
Reproductive Health, BSPH
gsheehy1@jhmi.edu

Mridula Shankar
PhD student, Department of Population, Family
and Reproductive Health, BSPH
mshanka6@jhmi.edu

Short Description, Goals

4 events. The main goal of our event series is to expand opportunities for PFRH PhD students to learn about career pathways outside of academia, and to feel more confident in their ability to pursue these paths. Many of our students are interested in non-academic careers, and many PFRH alumni go on to work at leading non-academic public health organizations. Providing an opportunity for past and current students to connect could help PhD students identify career opportunities outside academia, develop contacts, and think strategically about the skills they are developing during their degree.

Lead Applicant:

Anna Kalbarczyk
Assistant Director
Center for Global Health, BSPH
akalbarc@jhu.edu

Key Collaborators

Yukari C Manabe, MD
Professor of Medicine, SoM
ymanabe@jhmi.edu

Becky Genberg, PhD, MPH
B. Frank and Kathleen Polk Assistant Professor of
Epidemiology, BSPH
bgenberg@jhu.edu

Nancy Glass, PhD, MPH, RN
Professor and Independence Foundation Chair,
SoN
nglass1@jhu.edu

Michele Decker, ScD, MPH
Associate Professor
Population, Family & Reproductive Health, BSPH
mdecker@jhu.edu

Short Description, Goals

6 events. This series on women's leadership in global health will introduce PhD students across JHU divisions to women leaders working with different types of organizations in the field of global health. The series will provide meaningful networking opportunities with speakers and peers across departments and divisions. Students who attend these sessions will better understand different career paths available to them in global health, strengthen their network, learn the principles of leadership, and actively develop solutions to combat the unique leadership challenges that women face in this field.

Lead Applicant:

Rebekka Klausen
Associate Professor of Chemistry, KSAS
klausen@jhu.edu

Key Collaborators
n/a

Short Description, Goals

3-4 events. This submission supports and expands a current initiative in JHU Chemistry, the Pathways to Your Career Seminar Series. The goal of Pathways is to build relationships between our students and established scientists in careers outside academia. Pathways is well integrated with JHU professional development resources: Klausen was invited to describe her program at the May 2019 Provost's Retreat and Justin Lorts led an October 2019 resume workshop in coordination with Pathways. Under the planned expansion, our goal is to diversify speakers and programming. Increased funding support enables travel reimbursement and speaker recruitment from outside MD/DC.

Lead Applicant:

Rejji Kuruvilla
Professor of Biology, KSAS
rkuruvilla@jhu.edu

Key Collaborators
Joan Miller –
Academic Affairs Manager
joan@jhu.edu

Short Description, Goals

10 events per year. Ten speakers will be invited throughout the academic year to provide insight on career opportunities other than the traditional research university trajectory. The speakers, many of whom are CMDB alumni, act as effective networking contacts for students interested in diverse non-academic career paths in biomedical sciences.

Lead Applicant:

Peter Lewis
Chair, African Studies, SAIS
plewis18@jhu.edu

Key Collaborators
Jon Youngs
Manager of Graduate Services, SAIS
jyoungs1@jhu.edu

Short Description, Goals

2 events. We will have two separate alumni panels featuring guests working in these sectors: policy-making and analysis (e.g., government) and multilateral organizations (e.g., World Bank, IMF, Inter-American Development Bank). Each panel will have approximately four alumni guests. Each panelist will take 10-15 minutes to provide an individual professional summary including the relevance of earning the SAIS PhD. Q&A will follow. Sessions will be on Fridays or Saturdays when SAIS has few other academic courses to avoid time conflicts. They will run about 2.5 hours each beginning with lunch.

Lead Applicant:

(SORT Program)

Melissa Marx
Assistant Professor of International
Health/Epidemiology, BSPH
mmarx@jhu.edu

Key Collaborators

Emily Gurley
Associate Scientist, Department of Epidemiology, BSPH
egurley1@jhu.edu

Short Description, Goals

5 events. We want to provide exposure to professionals in Epidemiology practice careers so that our PhD students can make informed choices about non-academic careers. We hope that this series will provide a path to careers for both our Surveillance, Outbreak Response Team (SORT) member PhD students and across the public health school and schools in the medical campus. The SORT team is administratively housed in the Epidemiology Department. It currently includes Epidemiology and Environmental Health students but is open to all PhD students with an interest in pursuing or learning more about applied epidemiology.

Lead Applicant:

(International Health Program)

Melissa Marx
Assistant Professor of International Health
BSPH
mmarx@jhu.edu

Key Collaborators

n/a

Short Description, Goals

2 events. These two Evaluation Practice Career Panels are designed to provide PhD students with exposure to career paths in international health focused on program evaluation. The Goal of the program is to more fully inform students about the options available for evaluation practice careers and provide the opportunity to interact with and ask questions of people in evaluation practice careers.

Lead Applicant:

Beth McGinty
Associate Chair for Research and Practice
Health Policy and Management, BSPH
bmcginty@jhu.edu

Key Collaborators

n/a

Short Description, Goals

4 events. Four workshops:

- 1) Academic job market workshop, with 3-4 panelists including recent alumni with tenure track positions
- 2) Non-academic job market workshop, with 3-4 panelists including recent alumni working in non-academic settings like NGOs or think tanks
- 3) Dissertation grant workshop, with 2-3 panelists (either current HPM students or recent alumni) who have successfully competed for dissertation grants
- 4) A "dissertation success" with 3-4 close-to-defense PhD students and/or recent alumni

All workshops will be run by the Associate Chair for Research and Practice in the Department, who will include 2-3 other relevant faculty members in helping to facilitate the workshops. All PhD students in the Department will be invited to attend; these will be lunchtime events.

Lead Applicant:

Dr. Andrew Miller
Professor
Director of Graduate Studies
English, KSAS
ahm@jhu.edu

Key Collaborators
Thai-Catherine Matthews
PhD Candidate
2017 Hodson Fellow, English Department, KSAS
No email available

Short Description, Goals

This award is intended to pilot a series of five alt-ac career-readiness events curated for graduate students in both the then humanities programs as well as the Anthropology, Political Theory, and History of Medicine programs at the Johns Hopkins-Homewood campus, culminating in a Graduate Humanities Reverse Career Fair. The series would begin with at least one resume and cover-letter tutorial led by representatives of the Office of Integrative Learning and Life Design. It would continue with three evening events bringing professionals from Humanities-friendly fields—including publishing, NGOs, marketing and advertising --to Hopkins via Skype. The aim of these events would be to inform students about available careers, to inform employers about Hopkins Humanities, and to provide a greater sense of community among Humanities students. Finally, the culminating Career Fair would reverse the traditional fair model by having students presenting their work directly to employers with open internship and full-time positions. The advantages of this model are: assured student turnout (as all eligible departments will be asked for student volunteers to present their work and skillset-advantage to visiting employers), improved exchanges between employers and presenters (as employers know which key questions to ask potential employees, whereas students aren't sure what to ask employers in a crowded, traditional career fair setting), and the emphasis it places on the skillsets built by each degree program (as students will be organized by degree program and able to highlight the expertise honed by their study).

Lead Applicant:

Christopher Potter
Associate Professor
Co-Director of Neuroscience Training Program,
KSAS
cpotter@jhmi.edu

Key Collaborators
Marshall Shuler
Associate Professor
Neuroscience, SOM
landau@jhu.edu

Short Description, Goals

16 Events. This initiative will help fund a course whose goal is to help graduate students in the Neuroscience Graduate Program obtain an appreciation of the options, challenges, and steps towards careers in the broadly defined field of neuroscience. The course will solicit participation from speakers both inside and outside Hopkins to inform graduate students about the multitude of career options that are available to them. Whenever possible, former alumni of the Neuroscience program are recruited. Careers outside academia are highlighted.

Lead Applicant:

Gloria Ramsey, JD, RN, FNAP, FAAN
Associate Dean for Diversity, Equity and
Inclusion, SON
gloria.ramsey@jhu.edu

Key Collaborators
n/a

Short Description, Goals

4 events. In the nursing profession, minorities comprise 37.9% of the US population but only make up 19% of the registered nurse population. For minority nurses with advanced nursing degrees, only 16% become full-time nursing school faculty. Minority students represent 33.0% of research-focused doctoral programs and 34.6% of DNP programs; and often face obstacles during their academic career and transition into the nursing profession. Thus, we aim to provide a lecture series to invite alumni and other speakers to expose our URM PhD and DNP students to non-academic careers, allow students to network with faculty and guests, develop contacts, and ask questions.

Lead Applicant:

Joanne Selinski
Associate Teaching Professor
Computer Science, WSE
joanne@cs.jhu.edu

Key Collaborators
Max Zinkus
Research Assistant
Computer Science, SOM
zinkus@cs.jhu.edu

Short Description, Goals

1 event annually. This initiative promotes:
- Diversity in technical academic and industrial careers
- Emotional wellbeing of underserved students
- Personal growth, through finding role models, building communities, and establishing mentor relationships.
Grace Hopper Celebration of Women in Computing ~\$800-1000 per person, so 5-6 per year
Industry primarily, academic secondarily, across all tech sectors.

Lead Applicant:

Scott Smith
Professor
Computer Science, WSE
scott@cs.jhu.edu

Key Collaborators
Andrew Hundt
PhD Student
Computer Science, WES
ahundt@jhu.edu

Short Description, Goals

4 events. This initiative will help equip CS PhD students with better tools to succeed in their long-term careers by providing more information on potential career paths and how to get there. The first part is to make them aware of the different types of career options available. Company representatives will be brought in to discuss careers for CS PhDs in their respective industries, and we will compare different potential career paths. The second part is to help them gain practical tools for career development. Topics covered include writing a 5-year plan, improving the CV, effective writing, grooming job application references, etc.

Lead Applicant:

Paul Smolensky
Krieger-Eisenhower Professor of Cognitive
Science, KSAS
smolensky@jhu.edu

Key Collaborators

Barbara Landau, Dick and Lydia Todd Professor of
Cognitive Science, KSAS
landau@jhu.edu

Short Description, Goals

3 events. The planned events will allow current students in the Cognitive Science Ph.D. Program to be informed first-hand about alternative career paths, enabled by their training in the program, by the post-Ph.D. experience of alumni of their own Ph.D. program.

Lead Applicant:

James Spicer
Professor, Materials Science and Engineering
WSE
spicer@jhu.edu

Key Collaborators

Ellen Libao
Administrative Manager, Materials Science and
Engineering, WSE
elibao@jhu.edu

Jessica Ma, Ph.D. student, Materials Science and
Engineering, WSE
jma42@jhu.edu

Short Description, Goals

5 events. The main goal of this initiative is to provide engineering PhD students an opportunity to network with professionals who are from related industries working in non-academic careers. These network events will provide Ph.D. students with a comprehensive overview of working in industries as well as networking opportunities with different professionals.

Lead Applicant:

Christy Thornton
Professor
Sociology, KSAS
christy.thornton@jhu.edu

Key Collaborators

Julia Burdick-Will
Assistant Professor
Sociology, KSAS
jburdickwill@jhu.edu

Short Description, Goals

3 events. The initiative will be to introduce current PhD students in sociology (and related disciplines, such as political science) to non-academic careers in three areas: government research institutes, non-profit research and advocacy organizations, and private sector research firms. We will organize a series of workshops that will both familiarize early-career graduate students with these types of careers outside the academy, and help more advanced graduate students network with professionals in these fields and workshop their application materials.

Lead Applicant:

Nadia Zakamska
Associate Professor,
Director of Graduate Studies
Physics and Astronomy, KSAS
zakamska@jhu.edu

Key Collaborators

Kevin Schlaufman
Assistant Professor, Non-Academic Careers Advisor
Physics and Astronomy, KSAS
kschlaufman@jhu.edu

Short Description, Goals

10-13 events. With this proposal, we are seeking funds to enhance and expand the existing non-academic professional development initiatives in Physics and Astronomy. We will invite speakers from outside of academia, or on the interface between academic and non-academic careers, for 0.5-1 day professional development events. The visitors will describe alternative career paths and initial steps in the job search process, and informally interact with students in questions-and-answers sessions. The PhD students will develop a clear sense of careers available to them after the degree, the pre-requisites for these careers, and the process for entering non-academic employment in their areas of interest.
