Handouts for
Innovation in Action session:

Engaging with Professional Societies to Meet the Diverse Needs of Today’s Postdocs

Saturday, March 15, 10:15 – 11:45 am
2015 Annual Meeting
National Postdoctoral Association

This handout contains information contributed by the four facilitators of the session:

1) American Physiological Society (APS), represented by Melinda Lowy
2) American Society for Microbiology (ASM), represented by Rachel Horak
3) Association for Women in Science (AWIS), represented by Cindy Simpson
4) Federation of American Societies for Experimental Biology (FASEB), represented by Anne Deschamps
Resources – Communications

*Advances in Physiology Education* – peer-reviewed descriptions of innovations that improve teaching in classroom and laboratory, essays on education, and review articles based on our current understanding of physiological mechanisms in physiology, neuroscience and pathophysiology – free online at [http://advan.physiology.org/](http://advan.physiology.org/).

*Trainee listserv* – information of opportunities, awards, and links or articles of interest for trainees from graduate through early career. To sign up, send an email to education@the-aps.org.

Resources – Social Networking

LinkedIn – [linkedin.com/groups?home=&gid=164204&trk=groups_management](linkedin.com/groups?home=&gid=164204&trk=groups_management)

Twitter – [twitter.com/APSPhysiology](twitter.com/APSPhysiology), [twitter.com/APSEducation](twitter.com/APSEducation), [twitter.com/APS_PST](twitter.com/APS_PST), [twitter.com/LifeSciTRC](twitter.com/LifeSciTRC)

Facebook – [facebook.com/AmericanPhysiologicalSociety](facebook.com/AmericanPhysiologicalSociety), [facebook.com/APSTrainees](facebook.com/APSTrainees), [facebook.com/APSWIPC](facebook.com/APSWIPC), [facebook.com/APSMinorityPhysiologists](facebook.com/APSMinorityPhysiologists), [facebook.com/LifeSciTRC](facebook.com/LifeSciTRC)

Website – [the-aps.org](the-aps.org)

YouTube – [youtube.com/user/APSPhysiology](youtube.com/user/APSPhysiology)

Resources – Professional Development

*Professional Skills Training Workshops* - [the-aps.org/pst](the-aps.org/pst) - live-online workshops on writing and reviewing manuscripts, interviewing, networking, presenting posters, and teaching.

*Career Development & Mentoring Forum Website* - [the-aps.org/mm/Careers/Mentor](the-aps.org/mm/Careers/Mentor) - articles, workshop audio/PowerPoint presentations, and links on career choices and planning, mentoring and being mentored, professional networking, presenting research: speaking and writing (papers and grants), job search and interviews, managing a lab and personnel, teaching, advancement and promotion, balancing career and family.

*Life Science Teaching Resources Community* - [lifescitrc.org](lifescitrc.org) – free online community for life science educators at all levels, contains both teaching and professional development resources.

Membership – [the-aps.org/membership](the-aps.org/membership) - Open to postdoctoral fellows conducting and publishing meritorious original research in physiology. Dues are discounted.

Awards – [the-aps.org/awards](the-aps.org/awards) - APS recognizes research, teaching and mentoring efforts of outstanding physiologists through its more than 400 awards totaling over $1.2 million dollars each year.

*Experimental Biology Meeting* – [experimentalbiology.org/](experimentalbiology.org/) - Annual meeting with other FASEB societies feature scientific sessions, distinguished lectureships, and career development sessions.

Contacts

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*The American Physiological Society (APS) is a nonprofit devoted to fostering education, scientific research, and dissemination of information in the physiological sciences. The Society was founded in 1887. APS seeks to "integrate the life sciences from molecule to organism." APS conducts meetings, publishes journals, and supports education and training.*
Postdocs: What is your career goal?
The American Society for Microbiology offers programs to achieve your career goal!

If your career goal is to...

Be a faculty member

...we offer:
• Science Teaching Fellowship: 5-month online course about effective teaching
• ASM Conference for Undergraduate Educators: premier conference for life science educators
• ASM LINK: program to learn how to be an effective mentor
• Biology Scholars: year-long residency about assessment & discipline-based education research

Do academic research

...we offer:
• ASM Kadner Institute: In-person institute about preparing for success in microbiology careers
• ASM Scientific Writing and Publishing Institute: In-person & online intensive training for writing

Go into public health

...we offer:
• ASM/CDC postdoctoral research fellowship: fellowship at one of the CDC national laboratories
• CPEP-approved postgraduate fellowship: fellowship to prepare for leadership in clinical labs

Start your own business

...we offer:
• ASM Turning Your Science into a Company: entrepreneurship workshop about start-up businesses

Go into a non-research science career

...we offer:
• ASM Headquarters Fellowship: postdoctoral fellowship at ASM Headquarters

Additionally, the ASM offers travel grants and career development grants!

asmgap.org
asmgap@asmusa.org
**Resources - Communications**
*AWIS Magazine* – The AWIS Magazine is a record of women’s contributions to the STEM enterprise and their impact on society with story ideas that come from the real challenges our members face every day in labs, classrooms, corporate boardrooms, and government offices around the country.
*Washington Wire* – The Washington Wire is a bi-monthly e-newsletter that provides a digest of hot-topic articles from all over the Web, focusing on science & technology, education, careers, health, and work-life satisfaction.
*AWIS in Action!* – This monthly e-newsletter provides updates on AWIS advocacy initiatives as well as discussing the latest issues in government and society pertaining to women in STEM.
*AWIS Blog* – The AWIS Blog brings relevant information in a more informal manner to postdoctoral researchers as well as providing comments on recent issues of importance to the STEM community.

**Resources – Social Networking**
LinkedIn – [https://www.linkedin.com/groups/Association-Women-in-Science-AWIS-140296/about](https://www.linkedin.com/groups/Association-Women-in-Science-AWIS-140296/about)
Twitter – [https://twitter.com/AWISnational](https://twitter.com/AWISnational)
Facebook – [https://www.facebook.com/AssociationforWomeninScience](https://www.facebook.com/AssociationforWomeninScience)
Website – [www.awis.org](http://www.awis.org)
YouTube – #AssociationForWomenInScience

**Resources – Professional Development**
*AWIS Webinars* – Support your talent and leadership development by participating in a live webinar or accessing our library of on-demand webinars which are housed on the AWIS website. Topics cover mentoring and coaching, life transitions, work-life satisfaction, and achieving recognition.
*Workshops* – AWIS offers a number of face-to-face workshops of interest to postdoctoral researchers. Topics include:
- Equitable Solutions for Retaining a Robust STEM Workforce: Beyond Best Practices
- Advancing Ways of Awarding Recognition in Disciplinary Societies (AWARDS)
- Improving Work-Life Satisfaction Program
- Importance of Mentoring Relationships Program
- Effective Communication Tips and Techniques
- Grant Writing 101

*Chapters and Affiliate Groups* – AWIS Chapters and Affiliate Groups are divided by Region (West, Central Western, Midwest, Southeast, Northeast and International) and provide postdoctoral researchers with the ability to make valuable connections at the local level through volunteer leadership opportunities, participating in various events, and attending career development meetings.

*AWIS Career Center* – The AWIS Career Center is custom tailored to attract the most qualified professionals from around the nation and postdoctoral researchers have the ability to post their CVs/Resumes or search for positions on a complimentary basis.

*AWIS Membership* – Membership is open to any postdoctoral researcher who supports the vision and mission of AWIS. The junior membership rate of $65.00 provides complete access to all AWIS benefits.

**Contact**
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Founded in 1971, the Association for Women in Science (AWIS) is the largest multi-discipline organization for women in science, technology, engineering, and mathematics (STEM). We are dedicated to driving excellence in STEM by achieving equity and full participation of women in all disciplines and across all employment sectors. AWIS reaches more than 20,000 professionals in STEM with members and chapters nationwide.
The Federation of American Societies for Experimental Biology (FASEB) – www.faseb.org
FASEB represents 27 scientific societies and over 120,000 researchers from around the world. FASEB is recognized as the policy voice of biological and biomedical researchers.

The MARC Program seeks to increase the number of highly-trained underrepresented biomedical and behavioral scientists in leadership positions to significantly impact the health-related research needs of the nation. The overall objective of the FASEB MARC Program is to help strengthen the research training opportunities for students, postdoctoral fellows, and academic/research faculty members from underrepresented groups.

MARC Travel Awards - The MARC Program provides funding for travel awards to encourage and support the participation of underrepresented students and postdoctoral fellows at scientific meetings and conferences and the participation of underrepresented PhD/graduate students, postdoctoral fellows, and faculty members in leadership development and grantsmanship training seminar programs. More info – marcssm@faseb.org

MARC Peer and Faculty Mentors Network - The MARC Faculty Mentors Network provides seasoned and experienced peer mentors with an opportunity to mentor undergraduate/graduate students and postdoctoral fellows. More info – peermentor@faseb.org

MARC Grantsmanship Training & RCR Program - FASEB Office of MARC and Professional Development Programs sponsors annual Grantsmanship Training Seminars. More info – marcgwsw@faseb.org

FASEB Online Career Center – careers.faseb.org

FASEB Upcoming Programs of Interest:
- FASEB Grant Writing Seminar & Responsible Conduct of Research Workshop (September 2015) - http://bit.ly/GrantWritingRCRinMD

FASEB Constituent Societies (see additional handout for society-specific postdoctoral opportunities and resources)
FASEB’s members are scientific societies that share a common vision for the advancement of research and education in biological and biomedical sciences.

| The American Physiological Society | The Teratology Society |
| American Society for Biochemistry and Molecular Biology | Endocrine Society |
| American Society for Pharmacology and Experimental Therapeutics | The American Society of Human Genetics |
| American Society for Investigative Pathology | International Society for Computational Biology |
| American Society for Nutrition | American College of Sports Medicine |
| The American Association of Immunologists | Biomedical Engineering Society |
| American Association of Anatomists | Genetics Society of America |
| The Protein Society | American Federation for Medical Research |
| Society for Developmental Biology | The Histochemical Society |
| American Peptide Society | Society for Pediatric Research |
| The Association of Biomolecular Resource Facilities | Society for Glycobiology |
| American Society for Bone and Mineral Research | Association for Molecular Pathology |
| The American Society for Clinical Investigation | Society for Free Radical Biology and Medicine |
| Society for the Study of Reproduction |

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