SATURDAY, APRIL 21

Across Societies – Experimental Biology

6. MARC AND PROFESSIONAL DEVELOPMENT PROGRAMS

Workshop

SAT. 9:00 AM—SAN DIEGO CONVENTION CENTER, HALL D, CAREER CENTER

Career Development

The Experimental Biology 2012 Career Center activities have been arranged by the FASEB Office of MARC & Professional Development. Access to the Career Center is FREE to all registered EB 2012 meeting attendees.

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:00</td>
<td>Workplace dynamics I/II. S. Milgram, L. Conlan.</td>
</tr>
<tr>
<td>10:00</td>
<td>Postdocs: what should you be looking for and how to find them. A. Green.</td>
</tr>
</tbody>
</table>

10:00 Talking about yourself: interviewing well. N. Saul.
10:30 Goal setting, prioritizing, time management. H. Adams.
11:00 Beyond the bench: preparing for your career transition in the life sciences. J. Tringali.
1:00 Ten ways to get lucky in the job search. P. Clifford, J. Lombardo.
1:00 Professional development for PhDs. A. Green.
1:00 Workplace dynamics: conflict and feedback. S. Milgram, L. Conlan.
1:30 Negotiation strategies for scientists. D. Behrens.
2:00 Transforming your CV. N. Saul.
2:15 Job hunting in the biotech industry. B. Lindstaedt.
3:15 Workplace dynamics: team skills. S. Milgram, L. Conlan.
4:00 Global interview skills. D. Behrens.
4:00 Developing your core message/“elevator pitch”. J. Lombardo.

7. CONNECTING WITH DIFFERENT AUDIENCES: THE ANATOMY OF COMMUNICATION

Symposium

SAT. 8:00 AM—SAN DIEGO CONVENTION CENTER, 7B

CHAIR: D. EVANS

Professional Development

Public Policy

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00</td>
<td>Chair’s introduction.</td>
</tr>
<tr>
<td>8:05</td>
<td>7.1 The abc of communication: easy as 123? D.J. Evans. Brighton and Sussex Med. Sch., U.K.</td>
</tr>
<tr>
<td>8:30</td>
<td>7.2 Communicating science during a crisis. C. Reddy. Woods Hole Oceanographic Instn.</td>
</tr>
<tr>
<td>8:55</td>
<td>7.3 Inside the Beltway and up on the Hill. J.C. LaManna. Case Western Reserve Univ.</td>
</tr>
<tr>
<td>9:20</td>
<td>7.4 Outside the box and inside the living room: teaching through television. J.S. Reidenberg. Mount Sinai Sch. of Med.</td>
</tr>
<tr>
<td>9:45</td>
<td>Discussion.</td>
</tr>
</tbody>
</table>

8. CLIMBING THE ACADEMIC LADDER: SKILLS NEEDED FOR EACH RUNG

Symposium

SAT. 10:30 AM—SAN DIEGO CONVENTION CENTER, 7B

CHAIR: R. PRATT AND K. TOPP

Professional Development

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:30</td>
<td>Chair’s introduction.</td>
</tr>
<tr>
<td>10:35</td>
<td>8.1 Committees – target the right ones and work strategically to make them productive. K.S. Topp. UCSF.</td>
</tr>
</tbody>
</table>

9. MASTER CLASS—NEURAL INNERVATION OF THE HEART AND ITS ROLE IN PATHOPHYSIOLOGY AND TREATMENT

Symposium

SAT. 1:00 PM—SAN DIEGO CONVENTION CENTER, 8

CHAIR: J. WALKER

Education & Teaching

Cardiovascular

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:00</td>
<td>Chair’s introduction.</td>
</tr>
<tr>
<td>1:30</td>
<td>9.2 Clinical methods to assess cardiac sympathetic innervation and function. D.S. Goldstein. NINDS/NIH.</td>
</tr>
<tr>
<td>2:45</td>
<td>Discussion.</td>
</tr>
</tbody>
</table>
60. **2012 TEACHING INSTITUTE: THE USE OF SOCIAL MEDIA IN PHARMACOLOGY EDUCATION**

**Symposium**

Sat. 12:00 PM—San Diego Convention Center, 3

**Chaired:** L.M. Crespo

**Education**

12:00 TBD.

12:45 Wikis and Wikipedia as teaching tools. J. Jemison. Univ. of Vermont Col. of Vermont.

1:30 Editing and publishing on Wikipedia. Lynn M. Crespo. Univ. of South Carolina Sch. of Med., Greenville.

61. **GRADUATE STUDENT COLLOQUIUM: COMMUNICATION**

**Colloquium**

Sat. 2:45 PM—San Diego Convention Center, 2

**Chaired:** L. Schrott, J.S. Fedan, M.J. Seminario

**Education**

2:45 **Keynote Speaker:** Get that job! How to ace your interview. B. A. Fischer. Survival Skills & Ethics Program, Univ. of Pittsburgh.

3:45 **Negotiating Session:** Negotiating your job offer: A hands-on exercise. B. A. Fischer. Survival Skills & Ethics Program, Univ. of Pittsburgh.

62. **ASPET BUSINESS MEETING AND OPENING AWARDS RECEPTION**

**Business Meeting**

Sat. 6:00 PM—San Diego Convention Center, 20B/C

**Opening Reception**

7:30 PM—San Diego Convention Center, Center Terrace

---

**Physiology**

63. **REFRESHER COURSE IN ENDOCRINOLOGY: DIABETIC COMPLICATIONS**

**Symposium**

(Sponsored by: APS Education Committee)

Sat. 8:00 AM—San Diego Convention Center, 24

**Chaired:** C. Williams and M. Ryan

**Education**

**Metabolic Diseases**

8:00 Brain-gut interactions. S. Srinivasan. Emory Univ.

8:50 Adipocyte-islet interactions. S. Unniappan. York Univ.


64. **MICROCIRCULATORY SOCIETY PRESIDENT’S SYMPOSIUM. CATION CHANNELS IN VASCULAR CONTROL: ASIC, AND TRPV PROTEINS**

**Symposium**

(Sponsored by: The Microcirculatory Society)

Sat. 9:00 AM—San Diego Convention Center, 26

**Chaired:** M. Boeghhold

9:00 TRPV channels in cerebral arteries. S. Earley. Colorado State Univ.

65. **OVERCOMING THE FEAR OF MAKING YOUR OWN TRANSGENIC AND KNOCKOUT MICE**

**Workshop**

Sat. 1:00 PM—San Diego Convention Center, 27

**Chaired:** D. E. Kohan and M. de Caestecker

**Education**

1:00 Conditional gene expression. H. Bujard. Heidelberg Univ.


2:00 Optimizing transgene expression. C. Sigmund. Univ. of Iowa.

2:30 Key issues with mouse phenotyping. V. Papaioannou. Columbia Univ.
66. PUBLIC OUTREACH AND ANIMAL RESEARCH: TOOLKIT FOR INVESTIGATORS

Symposium
(Sponsored by: APS Animal Care and Experimentation Committee)

SAT. 1:00 PM—SAN DIEGO CONVENTION CENTER, 25B
CHAIR: B. YATES

Public Policy

1:00 Introduction. B. Yates. Univ. of Pittsburgh.
1:10 Engaging the public about animal research: a scientist’s perspective. D. Ringach. UCLA Jules Stein Eye Inst., David Geffen Sch. of Med.
2:40 Discussion.

67. MICROCIRCULATORY SOCIETY PRESIDENT’S SYMPOSIUM II/YOUNG INVESTIGATOR NOVEL TRENDS

Symposium
(Sponsored by: The Microcirculatory Society)

SAT. 2:00 PM—SAN DIEGO CONVENTION CENTER, 26
CHAIR: K. LUKEZWEICZ AND A. GOODWILL

Dedicated to the memory of Gabor Kaley, Ph.D., Professor of Physiology, New York Medical College, in honor of his positive impact on the careers of many young scientists.

2:00 A novel approach for imaging calcium events simultaneously in arteriolar vascular smooth muscle and endothelial cells. P. Bagher, C.J. Garland and K.A. Dora. Univ. of Oxford. (676.6)
2:45 NG2 inhibition decreases endothelial cell sprouting along venules: a novel in situ angiogenesis assay to investigate multicellular interactions. P.C. Stapor, T. Ahsan and W.L. Murfee. Tulane Univ. (682.4)
3:00 The effect of network pattern alterations on microvascular resistance in hypertension. M. Yang and W.L. Murfee. Tulane Univ. (859.1)
3:15 Simulation of metabolic blood flow regulation in heterogeneous microvascular networks: effects of hematocrit variations. B.C. Fry and T.W. Secomb. Univ. of Arizona. (860.8)

68. USING SOCIAL MEDIA TO COMMUNICATE ABOUT PHYSIOLOGY AND YOU

Symposium
(Sponsored by: APS Communications Committee)

SAT. 3:00 PM—SAN DIEGO CONVENTION CENTER, 25C
CHAIR: J. HICKS

Career Development

3:00 Dr. Pascale Lane – author of the blog Pascale Lane’s Stream of Thought: Urine is Golden; http://pascalelane.wordpress.com/
3:40 Isis the Scientist – author of the popular blog On Becoming a Domestic and Laboratory Goddess; http://isisesthescientist.com/

69. TOOLKIT FOR GENOMIC BIOMARKER DISCOVERY BY PHYSIOLOGISTS

Workshop

SAT. 3:15 PM—SAN DIEGO CONVENTION CENTER, 27
CHAIR: B. JOE AND L. MILLER

Education

3:15 Methods for large scale quantitative proteomics. J. Hoffert. NHLBI/NIH.
3:35 Bridging large scale systems biology research to physiological signaling pathways. L. Miller. NHLBI/NIH.

4:55 Methods for large scale ChIP sequencing. **J. Zhu.** NHLBI/NIH.

**70. WEH SECTION TRAINEE AWARD FINALISTS SESSION AND DATA DIURESIS**

Award

(Supported by an educational grant from Data Sciences, International and Juan Carlos Romero Foundation)

(Sponsored by: APS Water and Electrolyte Homeostasis Section)

**SAT. 3:15 PM—SAN DIEGO CONVENTION CENTER, 25A**

**CHAIR: A. EL-MARAKBY**

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker(s)</th>
<th>Institution(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3:15</td>
<td>Renal medullary circadian clock genes are altered in endothelin B deficient rats.</td>
<td><strong>J.S. Speed, M.A. Saleh and D.M. Pollock.</strong> Georgia Hlth. Sci. Univ. and Mansoura Univ., Egypt. (1069.11)</td>
<td></td>
</tr>
<tr>
<td>3:45</td>
<td>T lymphocytes promote autoimmune-associated hypertension.</td>
<td><strong>K.W. Mathis, K.L. Wasson, C.W. Masterson and M.J. Ryan.</strong> Univ. of Mississippi Med. Ctr. (879.2)</td>
<td></td>
</tr>
</tbody>
</table>


4:30 Female spontaneously hypertensive rats have higher expression of TGF-β and Smad signaling in mesenteric arteries following the development of hypertension. **A.J. Tipton and J.C. Sullivan.** Georgia Hlth. Sci. Univ. (880.1)

4:45 Hyper-caloric diet enhances aortic endothelial function via increased NOS3 activity and expression in Dahl S rats. **F.T. Spradley, J.B. Musall and J.S. Pollock.** Georgia Hlth. Sci. Univ. (878.4)

**71. PHYSIOLOGY IN PERSPECTIVE — THE WALTER B. CANNON MEMORIAL AWARD LECTURE**

**Lecture**

(Sponsored by: Sucampo AG)

**SAT. 5:30 PM—SAN DIEGO CONVENTION CENTER, 20A**

**Title:** The Wisdom of The Body Revisited: Tribute to Walter B. Cannon and His Concept of Homeostasis as Applied to Pathophysiology of Hypertension

**Speaker:** L. G. Navar. Tulane Univ. Hlth. Sci. Ctr.