



American Physiological Society Respiration Section Newsletter

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Irene C. Solomon, Ph.D., Secretary-Treasurer

Summer Edition

August 31, 2009

Experimental Biology

Anaheim, April 24-28, 2010

DETAILED INFORMATION
FOLLOWS IN OUR FALL
NEWSLETTER.

STAY TUNED

BANQUET

Watch this space for exciting details on
the Respiration Section Banquet at
Experimental Biology 2010.

AWARD DEADLINES

**Respiration Section New
Investigator Award** - November 10,
2009

**Respiration Section Research
Recognition Award** - November 10,
2009

**Giles F. Filley Memorial Award for
Excellence in Respiratory
Physiology & Medicine** - November 01,
2009

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MESSAGE FROM THE TRAINEE REPRESENTATIVE

For the past three years Diego Alvarez has served as the *Trainee Representative* of the Respiration Section. This year, as his term expires, Diego is passing the torch to Melissa Bates. Melissa completed her PhD in physiology at the Pennsylvania State University in 2008 under the mentoring of James Ultman. There, she studied the physiological effects of ozone on the airways of cigarette smokers. She is now a post-doctoral fellow with Marlowe Eldridge at the University of Wisconsin-Madison, studying the function of inducible intrapulmonary pathways in exercise and disease.



Over the next year there are a number of events planned to serve the trainee members of the Respiration Section. A trainee subcommittee is now in place address the needs of trainee members and promote greater participation of the trainees in section-related activities. The subcommittee will be comprised of the Trainee Representative and 5 other trainee members (please see page 2). A central theme for the coming year is enhancing communication with our trainee members. Keep an eye for the *Trainee's Corner* section in the newsletter for announcements of trainee accomplishments and awards, opportunities, and other news items.

We are looking forward to a productive year and to seeing everyone in Anaheim in 2010. If you have questions, trainee-related concerns, or want to become more active in the section as a trainee member, contact Melissa at mlbates@pediatrics.wisc.edu.

TRAINEES: FYI

To remain informed about trainee opportunities in our Section, be sure that you have listed the Respiration Section as your primary affiliation. To do this, visit <http://www.the-aps.org>, click on the *Members Only* tab, and login. If you have misplaced your password, the APS office can send it to you. In the *Members Only* page, you can designate your section affiliations & subscribe to the Trainee Listserv.

Respiration Section Award Information & Application

Deadlines for submission of Award applications are in early November. Additional information on the Awards can be obtained from the following sites; Giles F. Filley Memorial: <http://www.the-aps.org/awards/society.htm#filley>; New Investigator and Research Recognition awards: <http://www.the-aps.org/meetings/eb10/awards/respiration.htm>

We encourage you to visit the appropriate APS website for details and start planning your applications!

TRAINEE COMMITTEE MEMBERS

Name	University Affiliation	Mentor
Christina Barry cjb311@jaguar1.usouthal.edu	Center for Lung Biology University of South Alabama, Mobile, AL	Dr. Troy Stevens
Erica Dale Nagle edale@wisc.edu	Comparative Biosciences University of Wisconsin, Madison, WI	Dr. Gordon Mitchell
Inefta Reid imreid@ic.sunysb.edu	Physiology & Biophysics State University of New York, Stony Brook, NY	Dr. Irene Solomon
Jessica Snow JSnow@salud.unm.edu	Biomedical Sciences University of New Mexico, Albuquerque, NM	Dr. Thomas Resta
Inimary Toby Inimary.Toby@nationwidechildrens.org	Center for Perinatal Research & The Ohio State University, The Research Institute at Nationwide Childrens Hospital, Columbus, OH	Dr. Leif Nelin

RESPIRATION SECTION STEERING COMMITTEE



Members of the Respiration Section Steering Committee



Your Section's Steering Committee hard-at-work at the 2009 Experimental Biology Meeting in New Orleans

SECTION/SOCIETY AWARD INFORMATION

The **Respiration Section New Investigator Award** (\$1,000 plus reimbursement of the advance registration fee) recognizes an outstanding investigator in the early stages of his/her career. Candidates should be investigators who have made meritorious contributions to the area represented by the Respiration Section. They should not be above the rank of Assistant Professor or a comparable position in a research track at an academic institution or in industry (e.g. Scientist, Sr. Scientist, Research Investigator, etc.). They should receive nominations from at least two regular members of the APS. Candidates will be judged on their publications, how the publications relate to the Respiration Section and evidence for independence and promise (grant funding, peer review activities, etc.). All application materials must be completed online by **November 10, 2009**.

The **Respiration Section Research Recognition Awards** (\$500 plus reimbursement of the advance registration fee) recognize outstanding research by graduate students and postdoctoral fellows who submitted their abstract to an APS Respiration Section topic category at the Experimental Biology meeting. Applicants must upload a copy of their first-authored abstract. Awardees are recognized at the Respiration Section Banquet. All application materials must be completed online by **November 10, 2009**.

SOCIETY AWARDS

Giles F. Filley Memorial Awards for Excellence in Respiratory Physiology and Medicine recognizes excellence in respiratory physiology and medicine. The award is given to an investigator who holds an academic rank no higher than assistant professor. The award is presented annually to an individual demonstrating outstanding promise based on his/her research program in respiratory physiology and medicine. Each recipient receives a \$12,000 award designated for use in the research program. The award is announced during the APS Business Meeting held at the Experimental Biology meeting and at the Respiration Section Dinner. Deadline is **November 1, 2009**

Applications will only be accepted via online submission.

RESPIRATION SECTION FOR EB2010

Day (Date)	Time	Session Title
Sunday (April 25)	10:30 am–12:30 pm	Age, Sex, and Control of Breathing
Sunday (April 25)	3:15–5:15 pm	Interaction between respiratory and limb muscle blood flow during exercise
Sunday (April 25)	3:15–5:15 pm	Orexin and Control of Breathing
Monday (April 26)	8:00–10:00 am	Hyperoxia- and reactive oxygen species-induced stress in the lung
Monday (April 26)	10:30 am–12:30 pm	Pulmonary Hypertension: Mechanisms and Mediators
Monday (April 26)	3:15–4:15 pm	Julius Comroe Lecture (Eugene Nattie)
Tuesday (April 27)	8:00–10:00 am	Airway Protective Behaviors—Cough and Swallow
Tuesday (April 27)	10:30 am–12:30 pm	Point-Counter Point: An update in endothelial barrier function
Wednesday (April 28)	8:00–10:00 am	Mechanisms of Peripheral Chemoreception

GILES F. FILLEY MEMORIAL AWARDEES

The **Giles F. Filley Memorial Award** recognizes excellence in respiratory physiology and medicine. The award is given to an investigator holding an academic rank no higher than assistant professor who has demonstrated outstanding promise based on his/her research program. The recipients of the 2009 awards were **Drs. Karen M. Ridge** and **David C. Irwin**. The awards were presented at the APS Business Meeting, and Drs Ridge and Irwin were acknowledged at the Respiration Banquet.



Dr. Ridge (*pictured on left with banquet speaker, Dr. Bruce Pitt*) received her PhD from the University of Illinois at Chicago in Physiology and Biophysics and is now an Assistant Professor of Medicine at Northwestern University. The two main themes of her research program are: the role of Na,K-ATPase in alveolar epithelial type I and type II cells; and the role of intermediate filaments in epithelial cell injury and repair.

Dr. Irwin received his PhD in Physiology from Colorado State and is now an Assistant Professor of Medicine at the University of Colorado Health Sciences Center. Dr. Irwin has a longstanding interest in altitude medicine and his current research program focuses on Nrf2 and HIF-1 α regulated genes and how they control/regulate hypoxic adaptation.

RESPIRATION SECTION NEW INVESTIGATOR AWARDEE

The Respiration Section New Investigator Award recognizes an outstanding investigator in the early stages of his/her career. Candidates are judged on their publications, how the publications relate to the Respiration Section and evidence for independence and promise.

This award was presented to **Dr. David D. Fuller** (*pictured on right*) by Awards Committee Chair, Claudette St. Croix, at the Respiration Banquet for his work on neuroplasticity and the control of breathing. Dr. Fuller is an Assistant Professor in the Department of Physical Therapy at the University of Florida.



RESPIRATION SECTION RESEARCH RECOGNITION AWARDEES



The Respiration Section Research Recognition Awards recognize outstanding research by graduate students and postdoctoral fellows who submitted their abstract to an APS Respiration Section topic category at the Experimental Biology meeting.

The 2009 award recipients were (*as pictured on left L-R*): **Yasin Baris Seven** (Mayo Clinic); **Angelina Y Fong** (University of British Columbia); **Mohammad Tauseef** (University of Illinois) and **Letitia Weigand** (Johns Hopkins Bloomberg School of Public Health). The awards were presented by the Treasurer and Joint Program Committee Representative, Irene Solomon at the Respiration Section Banquet (*second from right in picture*).

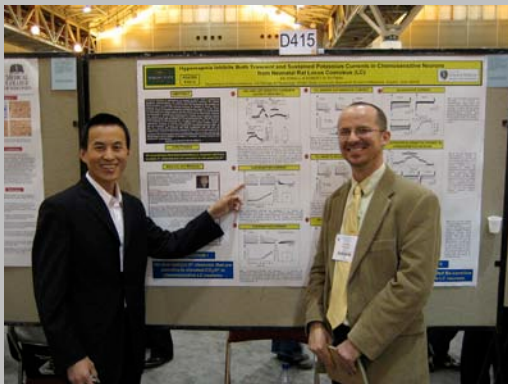
PHOTOS FROM EXPERIMENTAL BIOLOGY 2009



Dr. Robert Putnum from the Wright State University, School of Medicine standing in front of his poster



Dr. Michael Matthey receiving the Julius Comroe Award from Dr. Marilyn Merker



Attendees in front of their poster



Title of a talk at a symposium sponsored by the Respiration Section



Drs. Jerome Dempsey, Barbara Morgan, & Curtis Smith at the Respiration Section Banquet



Drs. Claudette St. Croix, Bruce Pitt, & Marilyn Merker at the Respiration Section Banquet

Editors' Note: These and other photographs in this Newsletter were contributed by members of the Respiration Section. We sincerely thank the Members for their kind help.

THANK YOU TO OUR CORPORATE SPONSORS FOR HELPING TO MAKE EB2009 A SUCCESS



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PLEASE DONATE

Please consider making a donation to the Respiration Section to support Section activities including the banquet and student travel awards. Your support is needed and would be much appreciated. Donations to the Respiration Section Fund can be made online at:

https://www.the-aps.org/Cgi-bin/ecom/donation/Donation_list.cgi

Please forward any suggestions or relevant information you would like in the newsletter to the Editors, Kaushik Parthasarathi (kparth@physiol.utm.edu) or Christopher Wilson (cgwilson@case.edu).