



# American Physiological Society Respiration Section Newsletter

Marilyn P. Merker, Ph.D., Chair

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

Fall edition

October 20<sup>th</sup>, 2008

## REMEMBER:

### Experimental Biology,

New Orleans, April 18–22, 2009

## DEADLINES:

*EB Abstracts Due* – November 5

*Giles F. Filley Award* – November 3

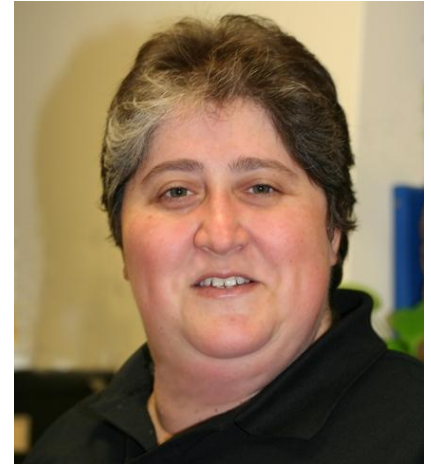
*New Investigator Award* – November 10

*Arthur C. Guyton Award* – December 1

## MESSAGE FROM THE SECRETARY

### Greetings to Respiration Section Members!

With the fall season upon us, it is time to begin making plans to attend the Experimental Biology 2009 Meeting in New Orleans. Susan Margulies, Wolfgang Keubler, and Irene Solomon, the Joint Program Committee (JPC) representatives for the Respiration Section, have been working hard to program an exciting meeting, which includes the Comroe Lecture, 4 Symposia, 4 Featured Topics, and the Trainee Highlights session. To complete the programming for the meeting, in December, our JPC representatives will be meeting with the representatives from the other sections of the APS to program the abstracts for the Poster Sessions. This means that it is now time to submit your abstracts for EBO9. The deadline for abstract submission is November 5th, which is rapidly approaching.



## MEETING REGISTRATION

Experimental Biology 2009 Abstract submission and Registration sites are now open. Please see the program website for information:

<http://www.the-aps.org/meetings/eb09/program.htm>

## UPCOMING EVENTS

### **International Symposium on Respiratory Control**

at *Saint Maxim en provence*, France  
December 1<sup>st</sup> through 4<sup>th</sup>, 2008

More information and registration is available at the website:

<http://www.sic-resp.univ-cezanne.fr/>

student/trainee travel awards will be selected from among submitted abstracts. To be eligible for these awards, the trainee has to be the first author of the abstract, and the abstract form must be marked as a trainee submission.

We would also like to remind you that the deadlines for submission of applications for the Giles Filley and New Investigator Awards are coming up very rapidly. If you are interested in applying for either award, get your application in now. Claudette St Croix, our Awards Committee Chair, has assembled an august group of Respiration Section members to review the Filley awards, and she is expecting some great applications from the University of Colorado, which gets special consideration for these awards, as well as other institutions.

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## RESPIRATION SECTION AWARDS

### GILES F. FILLEY MEMORIAL AWARDS FOR EXCELLENCE IN RESPIRATORY PHYSIOLOGY & MEDICINE

The Respiration Section serves as the review committee for the **Giles F. Filley Award** Memorial Awards.

Award: \$20,000

Contact: Executive Office

The Giles F. Filley Memorial Award 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 \$20,000 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.

The recipient receives complimentary registration to attend the meeting and a plaque recognizing his or her designation as a Giles F. Filley Awardee. Applications are accepted from members of APS working within the U.S., reflecting Giles F. Filley's contributions to the national research community through his membership in APS. Because of Giles F. Filley's long association with the University of Colorado, Denver, preference for one award, on a competitive basis, is given to an individual affiliated with that institution. The award does not include any indirect cost reimbursement.

The **2008 Giles F. Filley Award** recipients were **Ellen Burnham**, University of Colorado, Denver & **Anke Di**, University of Illinois at Chicago

[CLICK FOR ADDITIONAL INFORMATION](#)

### *Comroe Award Lecture*

*The Comroe Award Lecture will be delivered by Michael Matthay, MD. Dr. Matthay is a Professor of Medicine and Anesthesia at UCSF and a Senior Associate at the Cardiovascular Research Institute. We will have a profile of Dr. Matthay in our Spring Newsletter.*

## NEW INVESTIGATOR AWARD

The **Respiration Section New Investigator Award** (\$1,000 plus reimbursement of the annual meeting advance registration fee) recognizes an outstanding investigator in the early stages of his or her career. Candidates should be investigators who have made meritorious contributions to the scientific areas represented by the APS 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.). Although this is not an abstract-based award, awardees are expected to attend EB and make an oral or poster presentation. The candidate must be an APS member in good standing. Candidates must provide curriculum vitae, 2 nomination letters from APS members, and 3 reprints. Awardees are recognized at the Respiration Section Banquet at the EB meeting. All application materials must be submitted online ([www.the-aps.org/awardapps](http://www.the-aps.org/awardapps)) by **November 10, 2008**. Questions should be directed to Marilyn P. Merker, Section Chair, at: [mmerker@mcw.edu](mailto:mmerker@mcw.edu)

## RESEARCH RECOGNITION AWARD

The **Respiration Section Research Recognition Awards** (\$500 and reimbursement of the annual meeting advance registration fee) recognize outstanding research by graduate students and postdoctoral fellows who submit their abstract to a Respiration Section topic category at the Experimental Biology meeting. Awardees will be asked present their work at a special evening poster discussion session during the meeting. The selection is made from among the abstracts submitted to Respiration Section abstract topic categories by the Joint Program Committee Representatives. To be eligible for the award, the student or fellow must be the first author and presenter. Awardees will be recognized at the Respiration Section Banquet at the EB meeting. Questions should be directed to Marilyn P. Merker, Section Chair, at: [mmerker@mcw.edu](mailto:mmerker@mcw.edu)

# EXPERIMENTAL BIOLOGY 2009 TOPIC CATEGORIES & PROGRAM SUMMARY

## Central Nervous System Section

*Featured Topic:* Control of breathing in chronic diseases

## Respiration Section Symposia

Lung Injury and Treatment with Stem Cells  
 Cardiorespiratory Afferent Processing in the NTS: Not Just a Relay  
 Cellular Recruitment in Lung Vascular Remodeling and Pulmonary Hypertension  
 Ventilatory Control Disorders

## Respiration Section Featured Topics

ATP, astrocytes and central respiratory control  
 Mesenchymal stem cells for injury and repair in the lung  
 Pulmonary ion channels  
 Time domains of the hypoxic ventilatory response

## Respiration Section Poster Session Topics

Lung physiology: airway epithelial cell biology  
 Lung physiology: airway responsiveness and smooth muscle cell biology  
 Lung physiology: alveolar epithelial cell biology  
 Lung physiology: genetics and genomics  
 Control of breathing: central connectivity and neurotransmission  
 Control of breathing: chemoreception  
 Control of breathing: development  
 Control of breathing: integrated responses  
 Control of breathing: rhythm generation  
 Lung physiology: endothelial cell biology  
 Lung physiology: cell and tissue mechanics and gas exchange  
 Lung physiology: development, stem cells and plasticity  
 Lung physiology: fluid balance  
 Lung physiology: surfactant  
 Lung physiology: pulmonary hypertension  
 Lung physiology: hemodynamics, microcirculation and vascular regulation  
 Lung physiology: cell signaling pathways  
 Lung physiology: vascular smooth muscle cell biology

<b>Program Date</b>	<b>Time</b>	<b>Session Title</b>	<b>Chair/Speaker</b>
Sunday April 19, 2009	8:00-10:00	Lung Injury and Treatment with Stem Cells	Asrar B. Malik & Kishore K. Wary
Sunday April 19, 2009	8:00-10:00	Ventilatory Control Disorders	Gordon S. Mitchell & Tracy L. Baker-Herman
Sunday April 19, 2009	15:15-17:15	Mesenchymal Stem Cells for Injury and Repair in the Lung	Michael A. Matthay
Monday April 20, 2009	10:30-12:30	Control of Breathing in Chronic Diseases	Lara Roberts DeRuisseau & Francis J. Golder
Monday April 20, 2009	14:00-15:00	Julius H. Comroe, Jr. Distinguished Lectureship of the APS Respiration Section	Michael Matthay
Monday April 20, 2009	15:15-17:15	Cardiorespiratory Afferent Processing in the Nucleus of the Solitary Tract	Donald R. McCrimmon Judith A. Neubauer
Monday April 19, 2009	17:45-19:45	Trainee Highlights in Respiration Physiology	
Tuesday April 21, 2009	8:00-10:00	Pulmonary Ion Channels	Michael Koval Wolfgang Kuebler William Milsom
Tuesday April 21, 2009	8:00-9:00	August Krogh Distinguished Lectureship of the APS Comp. & Evol. Physiology Sects.	
Tuesday April 21, 2009	15:15-17:15	Cellular Recruitment in Lung Vascular Remodeling and Pulmonary Hypertension	Wolfgang M. Kuebler Kurt Stenmark
Tuesday April 21, 2009	10:30-12:30	ATP, Astrocytes and Central Respiratory Control	Gregory D. Funk
Wednesd April 22, 2009	8:00-10:00	Time Domains of the Hypoxic Ventilatory Response	Frank L. Powell

## REMEMBER....

*Please bring your ideas for future Symposia and Featured Topics to the meeting!*



## GET INVOLVED!!!

Join a committee of the *Respiratory Section* & ensure that your ideas are heard!

## HOW TO GET INVOLVED

October 7, 2008

Dear APS Member:

Are you interested in becoming more involved in APS? Have you ever wondered how you can serve on an APS committee? Well, wonder no more and act now. It's as easy as one, two, three:

1. Go to the APS web site (<http://www.the-aps.org/>) and click on Committees/Committee's Overview. Click on Nomination Form. There you will also find a List of Committee Vacancies and Committee member responsibilities.
2. Fill out the candidate form; have an APS colleague, an APS section chair, or your Department chair fill out the endorsement form.
3. Send both the application and endorsement forms electronically to [nominations@the-aps.org](mailto:nominations@the-aps.org) before January 16, 2009.

Questions can be directed to me at 601-984-1820 or [jgranger@physiology.umsmed.edu](mailto:jgranger@physiology.umsmed.edu), or to Linda Dresser, [ldresser@the-aps.org](mailto:ldresser@the-aps.org) at APS.

Our Society needs YOU to bring new ideas and new energy to our programs. Remember the deadline for submitting your forms is Friday, January 16!

Working with you to making our Society stronger,

Joey Granger, PhD  
Chair, APS Committee on Committees

## ARTHUR C. GUYTON EDUCATOR OF THE YEAR AWARD

Nominations are being sought for the 2009 Arthur C. Guyton Educator of the Year Award sponsored by the W.B. Saunders Company [Elsevier]: deadline Monday, December 1, 2008. The typical nominee will have shown excellence in teaching and have made significant contributions in student advisement, graduate education, and/or curriculum design and reform at their institution. The activities that distinguish a candidate in the rankings include outreach activities at the state, national, or international level; contributions to education through APS activities; peer-reviewed educational journal articles; and widely disseminated publications such as commercially produced textbooks, lab manuals, or software. Nominators should send a letter of support outlining the qualifications of the nominee to Jennifer Lundmark, Chair of the Guyton Awards Selection Committee.

For additional information:

<http://www.the-aps.org/meetings/cbo9/awards/teaching.htm#guyton>

## Hurricane Ike Relief Fund to Aid Galveston Area Members

Help the APS provide assistance to scientific colleagues coping with the after effects of Hurricane Ike. Join APS in its efforts by making a contribution to the Society's Hurricane Ike Relief Fund. The Council has made an initial commitment of \$50,000 to support graduate students and postdoctoral fellows by providing unrestricted grants of up to \$2,000 to help them replace belongings, pay for relocation costs, etc. Graduate students and postdoctoral fellows supported by this Fund must either be APS members or working in laboratories of APS members. Donations and applications can be made via the link below. APS will accept applications and work with the chairs of the affected departments to assess need. Applications can be accessed by visiting the link below. The deadline for submission of applications is October 24, 2008.

<http://www.the-aps.org/ike.htm>

Please forward any suggestions or relevant information you would like in the newsletter to the Editors, Kaushik Parthasarathi ([kparth@physio1.utmem.edu](mailto:kparth@physio1.utmem.edu)) or Christopher Wilson ([cgw5@po.cwru.edu](mailto:cgw5@po.cwru.edu)).

**MESSAGE FROM THE SECRETARY - Continued from Page 1.....**We are also in the process of scouting out a venue in New Orleans for the **Respiration Section Banquet**, which will be held on Sunday, April 19, 2008 (so mark your calendars). If anyone has any good suggestions or knows New Orleans particularly well and wants to help choose a location and help plan this event, please contact Larissa Shimoda ([shimodal@welch.jhu.edu](mailto:shimodal@welch.jhu.edu)) or Irene Solomon ([Irene.solomon@sunysb.edu](mailto:Irene.solomon@sunysb.edu)). As soon as we have finalized the arrangements for the banquet, we will update you with the details and ticket order forms; this should occur by mid-winter.

**We look forward to seeing you all in New Orleans this spring!**