Our incoming newsletter editor, Barbara E Taylor, PhD, is an Assistant Professor in the Specialized Neuroscience Research Program at the Institute of Arctic Biology, University of Alaska-Fairbanks. Her research focus are on the development and plasticity of respiratory chemosensitivity and respiratory pattern generation. Using tadpole brainstem as a model, she is elucidating the possible cause of Sudden Infant Death Syndrome (SIDS), a major cause of death of babies in their first year after birth.

Barbara is eager to begin work on the Fall 2010 newsletter, and is interested in receiving any news, suggestions or offers of help! Contact her at betaylor@alaska.edu

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 2010 awards were Drs. Ian Davis and Andrew Lovering. The awards were presented at the APS Business Meeting.

Dr. Davis is an assistant professor of veterinary bioscience at the Ohio State University. His research interests are the modulation of lung fluid balance by viral pathogens and the effects of viral infection on respiratory epithelial cell function and signaling.

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The Trainee Committee of the Respiration Section (Chair: Dr. Melissa Bates), initiated a Trainee Breakfast/Highlights Event at EB2010. This event, moderated by Erica Nagle (University of Wisconsin) and Jessica Snow (University of New Mexico), drew more than 140 attendees, surpassing expectations. The session began with a breakfast hour followed by presentations from Section trainees. With trainees, faculty, and everyone in between attending, the event was a great hit with both the trainees and their mentors. The committee looks forward to an even greater success next year at EB2011.

**2010 Respiration Section Awards: A Recap**

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.

The 2010 award was presented to Laura Gonzalez Bosc, a faculty in the department of Cell Biology and Physiology at the University of New Mexico. The focus of her work is on the role of the transcription factor, nuclear factor of activated T cells (NFAT) in the regulation of vascular smooth muscle phenotype and its implication in the development of high blood pressure within the lungs (pulmonary hypertension) associated with lung disease or residence at high altitude.

The Respiration Section Research Recognition Award recognizes 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 2010 award recipients were: David J. Rowlands (Columbia University), Yasin Baris Seven (Mayo Clinic), Liming Wang (St. Michael’s Hospital and Keenan Research Center), and James A. Windelborn (University of Wisconsin).

**Respiration Section Sponsored Sessions for EB2011**

<table>
<thead>
<tr>
<th>Day (Date)</th>
<th>Time</th>
<th>Session Title</th>
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<tbody>
<tr>
<td>Sunday (April 10)</td>
<td>10:30 am – 12:30 pm</td>
<td>Respiratory Control Disorders</td>
</tr>
<tr>
<td>Sunday (April 10)</td>
<td>3:15 – 5:15 pm</td>
<td>Peripheral: Central Chemoreceptor Interactions</td>
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<tr>
<td>Monday (April 11)</td>
<td>8:00 – 10:00 am</td>
<td>Mesenchymal and Endothelial Progenitor Stem Cells: Novel Treatment Strategies for Lung Injury</td>
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<tr>
<td>Monday (April 11)</td>
<td>10:30 am – 12:30 pm</td>
<td>Sphingolipids in Lung Disease</td>
</tr>
<tr>
<td>Monday (April 11)</td>
<td>3:15 – 5:15 pm</td>
<td>Pathobiology of Oxygen Exposure During Development: Bedside to Bench and Back to Bedside</td>
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<tr>
<td>Tuesday (April 12)</td>
<td>8:00 – 10:00 am</td>
<td>Multiscale Neuronal Control of Respiratory Function: Bridging Gene Networks to Neural Networks</td>
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<tr>
<td>Tuesday (April 12)</td>
<td>10:30 am – 12:30 pm</td>
<td>Julius Comroe Lecture (Jahar Bhattacharya)</td>
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<tr>
<td>Wednesday (April 13)</td>
<td>8:00 – 10:00 am</td>
<td>Pulmonary Vascular Permeability: Emerging Paradigms</td>
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<tr>
<td>Wednesday (April 13)</td>
<td>8:00 – 10:00 am</td>
<td>Neural-glial Interactions in Central Respiratory Control and Spinal Plasticity</td>
</tr>
<tr>
<td>Wednesday (April 13)</td>
<td>(President Symposium)</td>
<td>Molecular and Clinical Physiology in Human Disease: Idiopathic and Inheritable Pulmonary Arterial Hypertension (PAH): From Genes to Clinical State</td>
</tr>
</tbody>
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PHOTOS FROM EXPERIMENTAL BIOLOGY 2010

Trainee Advisory Committee Representative Melissa Bates (left) with colleagues at the Steering Committee Meeting

Drs. Irene Solomon (left) and Marilyn Merker with the Section Chair-elect Dr. Wolfgang Kuebler and JPC-representative-in-training Dr. Chris Waters (far right) at the Steering Committee Session

Respiration Section Sponsored Scientific Sessions were well attended

Newsletter Co-editor Chris Wilson (left), Cathy Mayer, Tejus Bale, & Lindsay keep themselves hydrated.

Nominations Committee Co-Chair and official photographer, Dr. Diego Alvarez (center) with Drs. Warren Zapol, John B. West, John Severinghaus, and Marlowe Eldridge.

L-R Drs. Claudette St. Croix, Marilyn Merker and Mary Townsley enjoy the Respiration Section Banquet

2010 Julius Comroe Award Recipient Dr. Eugene Nattie (center)

Research Recognition Award Winners (Yasin Seven, David Rowlands, & James Windelborn with Drs. Irene Solomon and Wolfgang Kuebler

Dr. Marilyn Merker with the 2011 Julius Comroe Award Recipient Dr. Jahar Bhattacharya, and APS councilor Dr. Usha Raj (right).

Newsletter Co-editors Kaushik Parthasarathi & Barbara Taylor at the Steering Committee meeting

Editors' Note: Photograph Credit- Dr. Diego Alvarez.
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

Have a suggestion or comment? Please forward them to Editors, Kaushik Parthasarathi (kparthas@uthsc.edu), Christopher Wilson (cgwilson@case.edu) or Barbara Taylor (betaylor@alaska.edu).