See You in Long Beach!

Dearest colleagues,

This is a very exciting time to be a member of our section, and a member of the American Physiological Society. In April 2023, we will gather in Long Beach for our first stand-alone APS Summit meeting. The Long Beach Conference Center is an ideal venue for the types of collaborative, interdisciplinary discussions we are hopeful will thrive at the meeting. I am grateful for our Awards, Nominating, Programming, Banquet, and Trainee committees for the hard work they put in throughout the year to plan an outstanding meeting. I am also grateful for our Secretary-Treasurer, Ryan Bavis’s, outstanding leadership and support of our section as it continues to grow.

Most importantly, thank you to all of you for your tireless support of our section. I hope that all of us will continue to reach out and encourage colleagues that may not have attended a meeting to join us in the future. There are many areas where we have the capacity to expand our membership: oxygen delivery, long-term systemic consequences of respiratory disease, upper airway control, and critical care medicine, to name a few.

This year’s meeting will also mark the end of my term as Section Chair. It has been one of the greatest honors of my life to serve our section in this way. The collegiality of the section, combined with its scientific rigor, is at the core of what makes it so special. Please keep your eye on your email for a call for nominations to serve as our next section chair. I am glad to speak to anyone that has questions about what this position entails.

Again, my sincerest thanks for your continued participation in our section,

Melissa L. Bates, PhD, FAPS
University of Iowa
Chair, Respiration Section
APS CONNECT HAS MOVED TO APS HUBS

APS Connect has been retired. Explore how you can become more informed via your Section, Committee and Interest Group Hubs.

- Log in to your My APS Dashboard
- Locate your Section, Committee and Interest Group Hubs

Please note that in order to receive email notifications from HUBS, you must opt-in and subscribe from the HUBS platform for our section. Make sure emails from APS HUBS are not filtered to your spam folder.

Learn how to use APS HUBS. Must be signed in to your APS account to access this link.

2023 Julius H. Comroe, Jr. Distinguished Lectureship

The 2023 Julius H. Comroe Jr. Distinguished Lectureship has been awarded to Dr. Greg Funk. The Comroe Lectureship recognizes an outstanding contributor to “respiratory science” with a demonstrated track record of service to APS and the Respiratory Section.

Greg has a tremendous record of service to the APS, particularly the Respiration Section. Indeed, our respiratory community would not be the same without Greg’s enthusiastic and committed leadership and service over the past 15 years. Greg and his laboratory have also made seminal contributions to understanding of the neural control of breathing. His 1993 paper, published in the Journal of Neurophysiology, established the role of excitatory amino acids in the generation of brainstem respiratory rhythms. His 2010 Journal of Neuroscience paper made the fundamentally important observation that glia underlie the ATP sensitivity of respiratory rhythm generating neurons. Greg’s lab subsequently established that astrocyte ATP release impacts the hypoxic ventilatory response and glia act as “hypoxia sensors”. Over his career, he mentored up to 15 postdocs, 14 PhD students and many undergraduates.

We congratulate Dr. Greg Funk on this well-deserved honor. We hope to see you at the 2023 Comroe Lecture in Long Beach.
CALL FOR ABSTRACTS
AMERICAN PHYSIOLOGY SUMMIT

Once again, it is time to submit your abstracts for the American Physiology Summit. The abstract submission deadline is December 8, 2022, which is rapidly approaching. The abstract topic categories related to Respiratory Physiology are listed below.

ABSTRACT TOPIC CATEGORIES
- Airway biology
- Control of breathing: integrated responses
- Control of breathing: neurotransmission and modulation: neural, glial and inflammatory mechanisms
- Control of breathing: plasticity and clinical disorders
- Control of breathing: respiratory motoneurons and muscles
- Development, biomechanics, surfactant and gas exchange
- Sex differences in renal function and disease
- Vascular biology and pulmonary hypertension
- Respiratory physiology: other

Abstract submission deadline
December 8, 2022 at 11:59 p.m. EST

Interested in helping with Section Activities?
A number of committees could use your help.
For details, please contact the Chair, Melissa Bates (Melissa-bates@uiowa.edu)
Want to get involved at the Society level?
Nominations for APS Committees are submitted in late fall.
Please contact our Nominating Committee Chair Estelle Gauda (estelle.gauda@sickkids.ca) for more details.
RESEARCHER APS AWARDS

The Respiration Section offers multiple awards for section members attending the American Physiology Summit. All of these awards have an application that must be completed online. A description appears below and online.

New Investigator Award (due December 15, 2022)
The Respiration Section New Investigator Award recognizes an outstanding investigator in the early stages of their career. Candidates should be investigators who have made meritorious contributions to the area represented by the Respiration Section. Candidates will be judged on their publications, how the publications relate to the Respiration Section, evidence for independence and promise (grant funding, peer review activities, etc.) and level of participation in the American Physiology Summit and APS-related activities. Applicants must be independent investigators for no more than 8 years at the time of application and must not be above the rank of Assistant Professor or a comparable position in an academic institution or in industry. This award is made possible by our Strategic Partner, ADInstruments!

Giles F. Filley Memorial Award for Excellence in Respiratory Physiology and Medicine (due December 15, 2022)
The Giles F. Filley Memorial Award for Excellence in Respiratory Physiology and Medicine recognizes excellence in the physiological sciences and is presented annually to an individual demonstrating outstanding promise based on their research program in respiratory physiology and medicine. The intent of the Filley award is to promote physiological contributions to the national research community, as was reflected through Giles F. Filley’s membership in APS. Because of Dr. Filley’s long association with the University of Colorado, Denver, preference for one award, on a competitive basis, is given to individuals affiliated with the institution. Awardee must attend the American Physiology Summit. Applicants must be an APS member in good standing for a minimum of 2 consecutive years at the time of application, be working within the US, and be an investigator holding an academic rank no higher than Assistant Professor or equivalent.

Julius H. Comroe, Jr. Distinguished Lectureship (due June 30, 2023)
The Comroe Lectureship is awarded to an outstanding contributor to the disciplinary areas of physiology represented by the Respiration Section. The recipient is chosen by the Section as a representative of the best within the discipline. Comroe Lecturers must also have a strong track record of service to APS and to the Section. This award is based on nominations from the membership and determined by the Respiration Steering Committee. A nomination letter which describes the nominee’s accomplishments, 3 relevant publications and a description of the nominee’s service history are required. The nominee must be a regular member of APS. Nominees should have made a novel contribution to respiratory physiology in the fields of lung biology, the control of breathing, or another respiration-related area.
**TRAINEE APS AWARDS**

**Outstanding Trainee Award**
(*due December 15, 2022*)

The Respiration Section Outstanding Trainee Award recognizes an outstanding postdoctoral trainee who submitted their abstract to a Respiration Section topic category at the American Physiology Summit. Candidates should be postdoctoral trainees who have made meritorious contributions to the area represented by the Respiration Section. Candidates will be judged on their publications, how the publications relate to the Respiration Section, evidence for future independence and promise (grant funding, peer review activities, etc.) and level of participation at the American Physiology Summit and other APS-related activities. Applicants must be a postdoctoral trainee and receive nominations from 2 APS Regular Members. Young investigator can also apply. This award is made possible by our Strategic Partner ADInstruments.

**Research Recognition Awards**
(*due December 15, 2022*)

Research Recognition Awards (RRA) recognize outstanding research by graduate students and postdoctoral fellows who present a first-author abstract at the APS annual meeting. Applications are reviewed by APS section award committees. The Section will also be offering Steven M. Horvath RRA to the top ranked applicant from an underrepresented racial/ethnic background. Candidates should be graduate student or postdoctoral fellow/medical residents, current APS members and submit a first-author abstract to the APS annual meeting at the American Physiology Summit. Candidates will be judged on quality of research being presented at the meeting as judged by their abstract submission, a letter describing their contribution to the work and the broader implication of their research work.

**The Usha Awards**
(*due December 15, 2022*)

The Usha (“dawn” in Sanskrit) Award, sponsored by Y.S. Prakash, MD, PhD, associate editor of the American Journal of Physiology-Lung Cellular and Molecular Physiology, is awarded to two promising trainees. Applicants must be first author of an abstract submitted to a Respiration topic for presentation at the American Physiology Summit. Criteria for selection will include the level of excitement regarding the nominee’s future, contribution by the nominee to the work and the importance of his or her work to the field. Nominees are selected by the Respiration Section. Applicants must be an undergraduate or graduate trainee or a research fellow less than 5 years since being granted terminal degree (e.g. PhD, MD, DO, DVM).

**Trainee Poster Presentation Awards**
(*due December 15, 2022*)

The Respiration Section Trainee Poster Presentation Awards recognize outstanding research by undergraduate and graduate students and postdoctoral fellows who submitted their abstract to a Respiration Section topic category at the American Physiology Summit. Trainee presentations are judged at their poster presentation during the APS annual meeting and winners are recognized in the Respiration Section Newsletter. Up to 10 trainees will receive awards of $100 each. Five of these awards are sponsored by DSI. Applicants must be an APS member in good standing and be an undergraduate, graduate, or a postdoctoral trainee.
Upcoming events at the American Physiology Summit

With 2023 comes the highly anticipated inaugural American Physiology Summit held in **Long Beach, California, April 20–23, 2023**. This summit will be filled with brand new and exciting scientific, professional development and social networking events to connect you with peers. However, we still made sure to deliver our usual section related events helping our members reconnect after a long year apart.

As usual, we will kick off the conference with our annual **Control of Breathing Mixer**. Come meet and mingle with faculty, trainees, and new members in a casual and friendly environment!

Don’t forget to join us for the **Marilyn Merker Trainee Highlights Breakfast** as well, hosted by the Trainee Advisory Committee (TAC), where our trainees will give short 2-3 minutes presentations and highlight their research. The breakfast provides trainees the opportunity to present their work and network with other members. We will also be hosting the Respiration Section Mentoring Club, where interested trainees and mentors will be paired for a one-on-one mentoring session during the breakfast.

Lastly, we are pleased to announce that we will also be holding our **Respiration Section Banquet**. Let’s see who can bring their best dance moves on the West Coast!

Keep an eye out for updates on dates, times, and locations for all these upcoming fun events, and we will see you in Long Beach in April!
Congratulations to all the award winners from our section this year!

**USHA Award**
- Rosstin Ahmadian
- Shipra Puri

**Steven M. Horvath Award**
- Lili Galarza

**Research Recognition Award (postdoctoral fellow)**
- Lenise Kim
- Randa Belgacemi
- Alexandria Marcia
- Danuzia Marques
- Nicholas Bush

**Research Recognition Award (graduate trainee)**
- Ben Musa
- Sarah Beyeler
- Catherine D’Addario

**NEW SECTION MEMBERS**

A big welcome to our new Respiration Section members! We are excited to have you on board, and we look forward to meeting you in-person at the American Physiology Summit!

Laura Kaufman, Physician consultant
Fei Zhao, Postdocoral fellow
Daniel Chung, Conjoint associate lecturer
Richard De Vuyst, Physician
Charles Wayne Frevert, Professor
Jason Gleghorn, Associate professor
Kate Hsu, Research fellow
Yohannes Mebratu, Assistant professor
Ruud Veldhuizen, Associate professor
Brandon Jacob Baer, Postdoctoral fellow
Souabh Soni, Postdoctoral fellow
Michael Maxwell, PhD candidate
Reid Mitchell, PhD candidate
M. Douglas Cunningham, Professor
Leo Heunks, Pulmonologist-intensivist / scientist
Tara M. Nordgren, Assistant professor
Albert Pilkington, Associate service fellow
David Rehe, Resident physician
Preston Bratcher, Assistant professor
Johanna Roche, Postdoctoral fellow
Matthew Knapp, Medical student
Jonathan Behlen, PhD candidate
Sara Marguerite Wilmsen, Graduate student
Luigi Camporota, Consultant
Elisa Maiioqui Fonseca, Postdoctoral fellow
Asif Munir
Atefeh Mohammadi

**CONNECT WITH US!**

Our section is now on twitter and facebook. Connect with us for the latest updates from our section members and for important announcements.

Tag us in any tweets or posts you would like us to feature on our page. Use #ResPhys

Twitter Handle: @APSRespiration
Tag us: #Resphys

View our Facebook profile

We are also seeking trainee volunteers to help run these platforms for the most engaging and relevant content for our section members. Contact: jean-philippe.rousseau@unityhealth.to for more information.
ADVOCACY OPPORTUNITIES

While the APS is an excellent advocate for science, it is critical that our elected representatives hear the voices of voting constituents as well. Our representatives need to know how we are impacted by issues such as decreased funding for research and an increase in government imposed regulations. Fortunately, there are several relatively easy things we each can do to increase awareness of the impact of these and other issues on our research careers.

The APS has excellent resources to help scientists make their case for support of scientific research. Please take a moment to visit this site and learn about ways to contact your Members of Congress.

APS:  [https://www.the-aps.org/career/policy-advocacy/advocacy](https://www.the-aps.org/career/policy-advocacy/advocacy)

“Your Advocacy 101 Toolkit” includes many ideas to get involved, included suggested email messages to request a meeting with elected officials.

If you also wish to improve your outreach skills and learn more about science policy, you can apply to the Early Career Advocacy Fellowship. This two-year program engages early career investigators in advocacy activities and provides them with skills to become long-term advocates for scientific research. Application deadline is December 10, 2022

Once you have made your case to your Members of Congress, help friends and family members appreciate how the research environment has been impacted by reduced research support. This can be accomplished by sharing your own experiences using specific examples that are relatable: Is there important research you want to do but can’t? Have you had to cut back on highly-trained staff? Have other labs in your department closed because funding was not available? Or you can share the following links to a series of stories that aired on National Public Radio, and encourage them to contact their Members of Congress as well.


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