March 10, 2022

NAVBO NewsBEAT

North American Vascular Biology Organization

Call for Award Nominations

March 15 deadline!!

Florence R. Sabin Award

Stephen Schwartz Award

Nominations are now being accepted for these awards through March 15, 2022.

As you know, the Stephen M. Schwartz Award recognizes an outstanding mentor, characterized by our 2021 recipient, Brant Weinstein of NICHD/NIH. Current and prior trainees should nominate their mentors.

Our newest award, the Florence Sabin Award, recognizes an individual, like Dr. Sabin, who has championed an underrepresented group. Candidates must have distinguished themselves in at least one of the following areas: promoting diversity, equity, and inclusion in social issues which benefit underrepresented groups, public health, or public service to the broader community, in addition to their scientific/clinical accomplishments.

Click here for information about nominating a colleague.

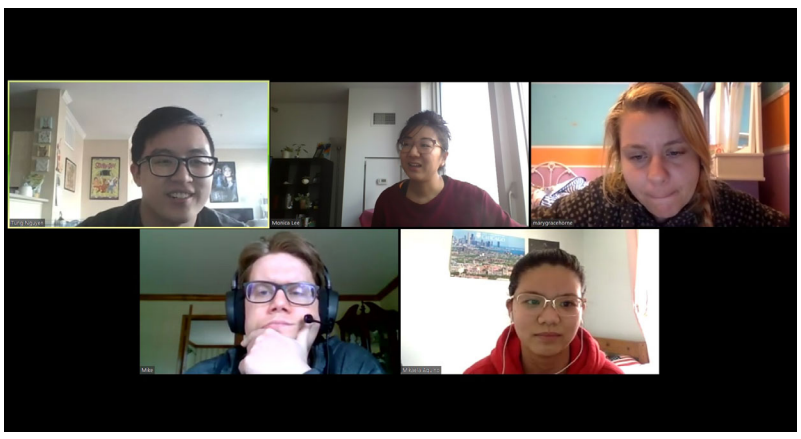
If you would like to nominate a colleague for the 2023 Benditt or Folkman Awards, please go to https://www.navbo.org/nominations/

Lessons Learned

My name is Monica Lee and I have been an Assistant Professor in the Department of Physiology & Biophysics at the University of Illinois at Chicago (UIC) since February 2019. I relocated to Chicago after a memorable postdoctoral experience in the lab of Dr. William Sessa at Yale University. My training did not cover how to direct science in the event of a pandemic – I doubt that topic was ever considered for anyone. Rather, our training prepares us to deal with challenges, where COVID-19 is an extreme example of the uncontrollable variables that can arise when starting a lab. They say that with experience comes insight. So, with that said, I offer here a few of my own 'lessons learned' to those that are now transitioning toward independence.

Read more Lessons Learned from Monica Lee.

Lab of the Month

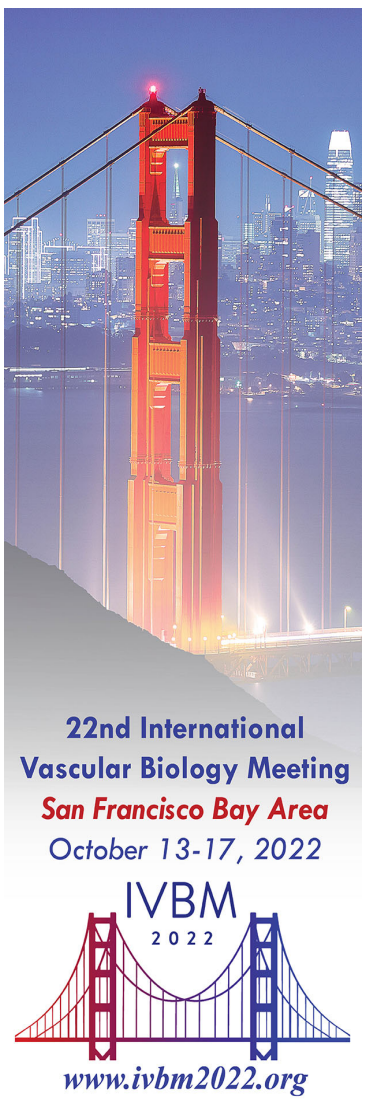


In this issue...

Meetings/Events

NAVBO ONLINE

Webinars - 1st Thursday
InFocus Sessions - 2nd and 4th Thursdays
Journal Clubs - 3rd Thursdays
Special Sessions on Tuesdays
(check schedule)



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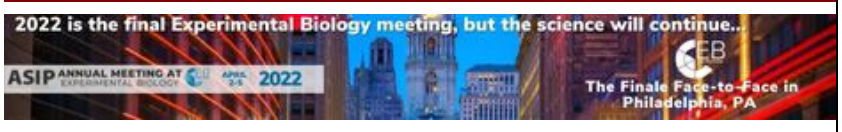
Lab of the Month - March 2022

The Lab of Dr. Monica Y. Lee

This month we are highlighting the lab of Dr. Monica Y. Lee, who is an Assistant Professor at the University of Illinois at Chicago. Find out more about Dr. Lee's lab by visiting her page in our Lab of the Month listing.

NAVBO Session at ASIP 2022 at EB



ASIP Annual Meeting at Experimental Biology
Philadelphia, PA - April 2-5, 2022

This will be the last Experimental Biology meeting, but the American Society for Investigative Pathology promises an exciting program featuring basic and translational research talks presented by well-known senior and up-and-coming junior scientists and trainees, organized by the ASIP 2022 Program Committee in collaboration with their membership, Scientific Interest Groups, and guest societies including ***NAVBO***.

The 2022 ASIP Annual Meeting includes sessions communicating cutting edge science and translational research, commingled with educational, professional development, and diversity enhancement sessions that will appeal to trainees and junior and senior faculty. As a reflection of the research interests of the ASIP membership, symposia, workshops, mini-symposia, poster blitz, and poster sessions will focus on the latest science in liver pathobiology, neuropathology, gene expression regulation, inflammation, immunopathology, cardiovascular biology, neoplasia, endothelial and epithelial cell biology, fundamental cell biology, artificial intelligence, and big data science.

For more information, click here.

NAVBO session at ASIP 2022:

At the Intersection: Cell-Matrix Interactions in Vascular Development and Disease

Chair/Organizer: Beth Kozel, MD, PhD ▪ NHLBI/NIH
Tuesday, April 5 at 2:00pm
Presentations:
Temporal and Cell-type Specific Roles of Fibronectin During Formation and Remodeling of the Aortic Arch
Sophie Astrof, PhD, Rutgers University

New Genetic Markers of Endothelial Invasion in Collagen Matrices
Kayla Bayless, PhD, Texas A&M College of Medicine

Functions of Extracellular Matrix Glycoproteins in the Aortic Wall
Dieter Reinhardt, PhD, McGill University

Of Mice and Men: Consequences of Elastic Fiber Disease
Beth Kozel, MD, PhD ▪ NHLBI/NIH

NIH-Wide Strategic Plan for DEIA

Your Feedback is Requested

The NIH is seeking feedback on their Strategic Plan Framework for Diversity, Equity, Inclusion, and Accessibility. Your input on the framework as the plan is developed is encouraged. Feedback will help the NIH ensure that DEIA principles continue to be embraced and integrated across NIH going forward.

NIH stresses their belief that an inclusive and diverse pool of highly talented individuals is key for the country to remain a global leader in scientific discovery and innovation (see these posts for more). This means the NIH must actively consider factors that address DEIA principles and appropriately embed them within NIH and the wider scientific community. Embracing this DEIA vision will enhance their ability to drive biomedical innovation and serve an increasingly diverse US population.

The NIH-Wide DEIA Strategic Plan strives to clearly communicate their DEIA vision. It will align with the NIH-Wide Strategic Plan released last year, and encompass their ongoing initiative to address structural racism in biomedical research as well as build on the wider federal effort to expand DEIA across the workforce.

The scope of the plan covers accomplishments, needs, opportunities, and challenges related to DEIA within the NIH workforce, its structure and culture, and NIH supported research. The main objectives are to:

- Implement organizational practices to center and prioritize DEIA in the workforce
- Grow and sustain DEIA through structural and cultural change
- Advance DEIA through research

What are the potential benefits or drawbacks to this framework? Are there priority areas missing? Which best practices and policies are likely to foster positive culture change? What barriers stand in

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the way? How should DEIA be defined for the purposes of this effort? What metrics measure progress?

Please consider sharing your comments and feedback on this framework. Please send them electronically by April 3, 2022.

If some or all of these links aren't working – they can be found on this page: https://nexus.od.nih.gov/all/2022/02/04/feedback-sought-on-the-nih-wide-strategic-plan-framework-for-diversity-equity-inclusion-and-accessibility/

Member News

Welcome to our New Members:
Joseph Arboleda-Velasquez, Schepens Eye Research Institute
Annmarie Dominguez, Northwestern University Feinberg School of Medicine
Anita Kaw, The University of Texas Health Science Center at Houston
Gabriel Maldonado-Velez, Indiana University School of Medicine
Austin McDonald, Indiana University
Akshaya Meher, East Carolina University
Mohammad Shadab, URMC

If you have news to share with your colleagues, send it to membership@navbo.org

Spotlight on Trainees

New NASEM Awards in Science Communication and Journalism
The Eric and Wendy Schmidt Awards for Excellence in Science Communication program aims to recognize and develop excellence in science communication and journalism by research scientists and by early career science journalists. Each year, 24 awards will be given to individuals who have produced original work that explores issues and advances in science, engineering, and/or medicine for the general public. The 12 awards for Best Science Communication by Research Scientists will be split into three categories based on career level: Graduate Students, Early Career Researchers (<5 years after Ph.D.), and Later Career Researchers. In each category, there will be one top award at $40,000 and three awards of recognition at $20,000 each. Submissions may be made March 1 – April 3, 2022; winners will be announced in fall 2022.

Recent Member Publications

If you have a recent paper that you would like to share with NAVBO NewsBEAT subscribers, send the title and link to membership@navbo.org. *Please note, only papers authored by current NAVBO members are accepted for inclusion.*

Industry News

National Academies Endorse Reinstatement of Presidential Bioethics Commission
Presidents of the National Academies of Science and Medicine, on behalf of a working group of experts in medicine, bioethics, and law, have expressed support for reinstatement of a presidential advisory commission to help inform and guide policy decisions that have bioethical implications. Such commissions for decades had helped steer government policy affecting the U.S. population, but a group so charged was not been appointed after 2017. Advisory documents sent to the Biden administration by NAS President McNutt and NAM President Dzau identified existing and emerging topics for which a presidential bioethics commission could provide analysis, advice, and public consensus building.

Long-term Cardiovascular Outcomes of COVID-19
Xie and co-authors, writing in Nature Medicine, have explored the post-acute cardiovascular manifestations of COVID-19 using national healthcare databases from the US Department of Veterans Affairs. Analyzing cohorts of 153,760 individuals with COVID-19 and two sets of control cohorts totaling >10 million records, the investigators show that individuals with COVID-19 are at increased risk of cardiovascular disease beyond 30 days after infection. Disorders of increased incidence were remarkably varied: cerebrovascular disease, dysrhythmias, ischemic and non-ischemic heart disease, pericarditis, myocarditis, heart failure and thromboembolic disease.

Masks off on Campus?
With COVID-19 case numbers, hospitalizations, and deaths dropping on multiple fronts, numerous states and their institutions of higher education have revealed intentions to forego mask mandates. *Inside Higher Ed* reports on factors that are playing out differently in various states, including the timing and ubiquity of the lifting of mandates. In some states, employers and school districts are left free to craft their own requirements; in others, colleges can no longer require face coverings. Mask requirements typically are remaining in place in certain campus settings, such as in medical facilities and on public transportation.

Summer Programs

PRIDE CVD-CGE

Cardiovascular Disease Comorbidities, Genetics and Epidemiology
July 11-27, 2022 at the University of Washington in St. Louis

The NHLBI-funded “Programs to Increase Diversity Among Individuals Engaged in Health-Related Research” support junior faculty underrepresented in biomedical research.

Space is limited for the mentored program starting summer 2022. **Apply early!**

Learn more . . .

More PRIDE Programs through NHLBI:

- Cardiovascular Health-Related Research (SUNY Downstate Health Sciences University)
- Future Faculty of Cardiovascular Sciences (UC San Diego)
- Research in Implementation Science for Equity (UC San Francisco)

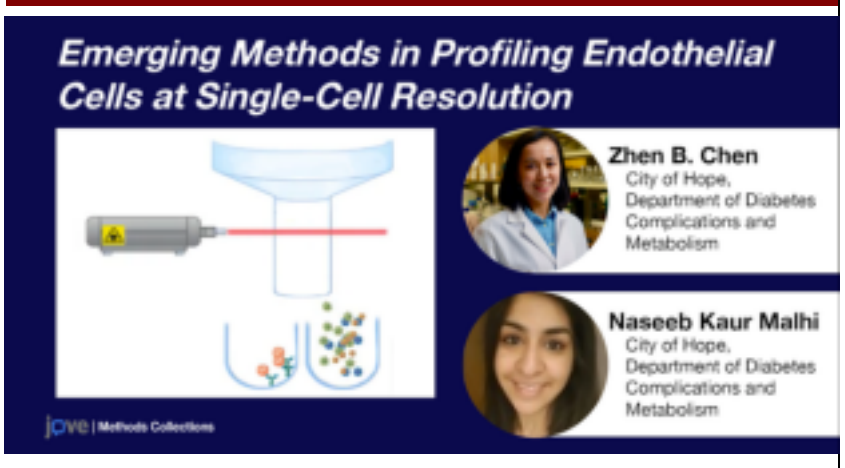
Children’s Hospital of Pittsburgh offers an eight-week paid summer internship program designed for undergraduate students from underrepresented groups from any college or university who wish to learn the rationale, design strategies, methods and other aspects of biomedical research by engaging in studies related to the heart, lung and blood fields under the direct supervision of experienced researchers.

Applications for the 2022 program will be available on-line at www.chp.edu in early January 2022. Selected participants are notified in April. The 2022 program will commence in June and conclude at the end of July. Participants are expected to complete the 8-week program. Housing is provided.

Please download the flyer and post it.

Learn more . . .

Call for Papers



Are you using leading-edge techniques to profile endothelial cells at single-cell resolution? Consider submitting your work to a new JoVE collection guest-edited by NAVBO members, **Dr Zhen Bouman Chen** (2020 Springer Junior Investigator Award winner) and Dr. **Naseeb Malhi** at City of Hope! For more information or to submit an abstract, please email zhenchen@coh.org or ***follow this link.***

Impact Factor 6.684

Lymphatic System: Organ Specific Functions in Health and Disease

Topic Editors: **Tsutomu Kume**, **Young-Kwon Hong**, **Zoltán Jakus** and **Kaska Koltowska**

The journal Frontiers in Cell and Developmental Biology has launched a new Research Topic on “Lymphatic System: Organ Specific Functions in Health and Disease” to feature the cellular and molecular mechanisms that govern the formation and regulation of lymphatic vascular heterogeneity in different organs/tissues. This Research Topic will be edited by Dr. Tsutomu Kume (Northwestern University, USA), Dr. Young-Kwon Hong (University of Southern California, USA), Dr. Zoltán Jakus (Semmelweis University Budapest, Hungary) and Dr. Kaska Koltowska (Uppsala University, Sweden).

The intent of the Research Topic is to enhance understanding of organ-specific lymphatic functions in health and disease. The scope of the Research Topic is to focus on recent and novel advances in lymphatic vascular heterogeneity and organ-specific lymphatic functions with an emphasis on cellular and molecular processes. We welcome original research, reviews, and opinion articles, falling under, but not limited to, the following areas:

• Organ-specific lymphatic cell identity and origin
• Lymphatic vessel morphogenesis in different organs
• Organ-specific lymphatic function
• Impaired organ-specific lymphatic function in pathological processes
• Signaling pathways under physiological and pathological conditions
• Cell-cell communication
• Organotypic chemokines and cytokines
• Organ-specific modulation of immune responses

Deadline for abstract: January 15, 2022
Deadline for manuscript: May 21, 2022

Visit this website for more information.

There is a new Research Topic titled ***Brain Arteriovenous Malformations: Cerebrovasculature Behaving Badly***, in the journal Frontiers in Human Neuroscience, organized by **Richard Daneman**, Marcus Stoodley and **Lori Shoemaker**.

Our goal is to highlight advances in AVM research from the laboratory to the clinic, and to suggest where gaps remain. We also intend to place AVMs in the context of neurovascular development and the complex interactions of cell types within the vasculature and the brain.

We invite high-level original research articles, novel models or imaging methods, focused reviews, hypotheses/theories, and insight/opinion articles. Please consider contributing an article to this topic – it will be a valuable resource for the field. All the details can be found at: https://www.frontiersin.org/research-topics/30037/brain-arteriovenous-malformations-cerebrovasculature-behaving-badly

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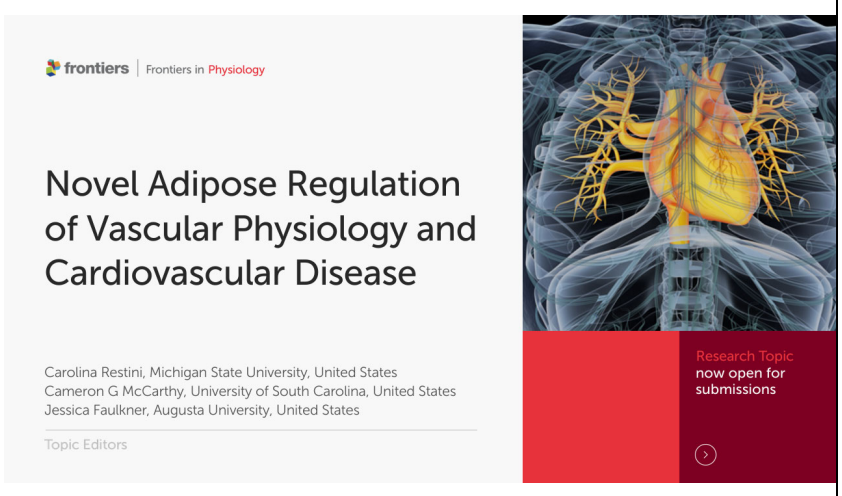

Novel Adipose Regulation of Vascular Physiology and Cardiovascular Disease hosted by Drs. Carolina Restini (Michigan State University), Cameron G. McCarthy (University of South Carolina School of Medicine) and Jessica L. Faulkner (Medical College of Georgia at Augusta University).

It is well established that adipose tissue has profound influence on organ function via paracrine and endocrine signaling. Specifically, adipose tissue is able to expresses and secrete various bioactive molecules (e.g. adipokines). However, depending on the type of fat

(brown or white), the organ, and the embryological origin, adipose tissues may diverge in the production/secretion of specific metabolites and how they subsequently affect organ function. Therefore, how adipose tissue contributes to homeostatic vascular physiology and the pathogenesis of cardiovascular disease is far-reaching, as are possible therapeutic targets. In this issue, we aim to bring together a collection of state-of-the-art articles that illustrates this potential and contributes significantly to combating the prevalence and incidence of cardiovascular disease by targeting adipose tissue depots.

Due: 31st March 2022

Submit your paper here: https://www.frontiersin.org/research-topics/27566/novel-adipose-regulation-of-vascular-physiology-and-cardiovascular-disease

Calendar of Events

March 18-19, 2022	4th Annual Gulf Coast Vascular Research Consortium
April 2 - 5, 2022	ASIP Annual Meeting at Experimental Biology 2022
April 7, 2022	Webinar Featuring Karen Christman
May 9 -11, 2022	EMBO Workshop on Building Networks: Engineering in Vascular Biology
October 13-17, 2022	22nd International Vascular Biology Meeting
October 24 - 27, 2022	Critical Issues in Tumor Microenvironment: Angiogenesis, Metastasis and Immunology

Visit the NAVBO Calendar of Events for more meetings

Job Postings

Job Title	Company	Location
Postdoc Fellow/Associate	Yale University	New Haven, CT
Postdoctoral Fellow in Immuno-Oncology/Vascular Biology Research	Johns Hopkins University	St. Petersburg, FL
Postdoctoral Opportunities	Harvard Medical School	Boston, MA
Postdoctoral Fellows	University of Michigan	Ann Arbor, MI
Postdoctoral Researcher	University of Pennsylvania	Philadelphia, PA
Research Fellow position from National University of Singapore	National University of Singapore	Central Singapore, Singapore
Postdoctoral Research in Tampa Bay, Florida	University of South Florida Morsani College of Medicine	Tampa, FL
Postdoctoral Fellowship Opportunities in Regenerative Medicine and Stem Cell Biology	University of Illinois College of Medicine	Chicago, IL

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