



NewsBEAT

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Lymphatic Forum 2023

EXPLORING THE LYMPHATIC CONTINUUM LYMPHATIC FORUM 2023

The Banff Center - June 13-17, 2023

The Lymphatic Forum 2023 (LF2023) is the fifth iteration of this biennial event that brings together researchers from around the world to present and discuss studies of lymphatics in health and disease. This year's event will address the significant role and functions of the lymphatic system in the various organs of the human body.

The program revolves around the general theme: The Lymphatic System in Health and Disease – Role of the lymphatics in organ-specific functions and dysfunctions and incorporates general sessions where the lymphatic system will be discussed across organs (Development, Function & Drainage, Cancer & Metastasis, Immunity & Infection) and concurrent sessions where the role of the lymphatics will be addressed in the context of specific organs or tissues (Skin, Lung & Airway, Heart & Vasculature, Liver & Kidney, GI Tract, Brain). Each session will include presentations by invited speakers and short presentations selected from abstracts. For more information and the full program, visit the web site: <http://lymphaticforum.org>

[Register for the meeting here](#)
Early bird deadline is April 10, 2023

[Submit your abstract here](#)
Deadline is March 15, 2023

Member News



Congratulations to Sarvesh Chelvanambi!

Dr. Chelvanambi is the 2022 Recipient of the Elaine W. Raines Early Career Investigator Award. He presented his abstract, "Single Cell Transcriptional-Epigenetic Profiling and Sub-Cellular Proteomics Demonstrate That HIV-Nef Extracellular Vesicles Modulate Human Macrophage Heterogeneity to Promote Atherosclerosis," at the recent AHA Scientific Sessions.

NAVBO is excited to congratulate Dr. Chelvanambi for this award. Sarvesh is a valued member of the NAVBO Online Programming Committee and if you were at the IVBM, you might have seen him coordinating several sessions. He is a valuable member of the vascular biology community and we wish him continued success.

This award recognizes early career investigators, who are members of the Council on Arteriosclerosis, Thrombosis and Vascular Biology, performing high quality research in the fields of arteriosclerosis, thrombosis and vascular biology. Recipients are acknowledged for the quality and relevance of their research submitted to the AHA Scientific Sessions but also for their accomplishments, contributions to their fields and expertise as

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Meetings/Events



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



Did you know?

We've Improved the Career Center!

Simply log in using your NAVBO login (same one you use to access the Member Portal) and the job board will recognize you as an active member and automatically give you the correct member pricing. If your membership expired, you'll be able to log in, but you will not receive the member pricing. **Renew and save money on your job postings! Post an open position today!**

30-day postings are free for NAVBO members
(a savings of \$200)

The Member Portal Makes it Easy for NAVBO Members to:

- Register for an online event or upcoming conferences quickly
- Easily see events for which you have registered
- Access your data and update your profile
- Renew your membership, check your current status, print invoices or receipts
- Search the Directory for other NAVBO members
- Use Research Categories to find those with like interests
- Connect directly to the Vascular Network and our

researchers in general. Dr. Elaine Raines was a long time NAVBO member who chaired the Meritorious Awards Committee, was a Council Member and one of the first editors of the *Vascular Biology Publications Alert*.

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

Lessons Learned



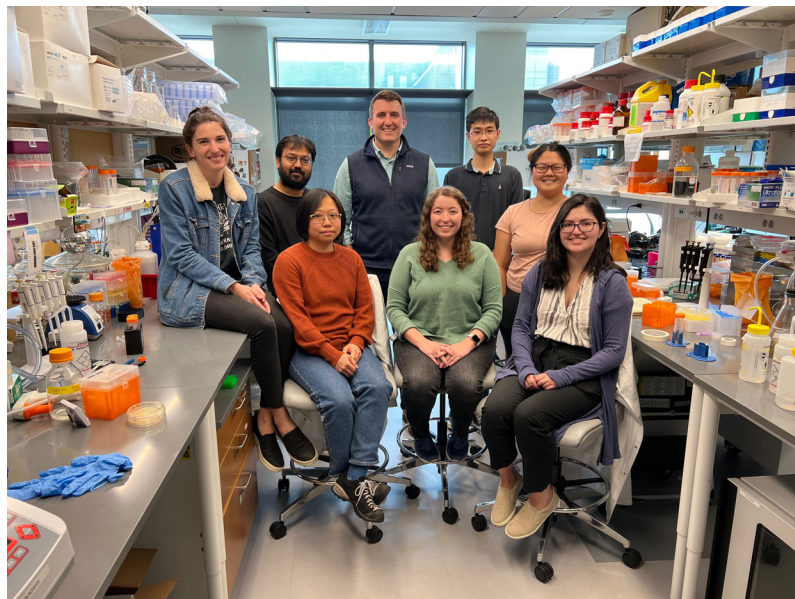
William Polacheck, Ph.D.

Hello from Chapel Hill! My name is Bill Polacheck, and I am an Assistant Professor in the Joint Department of Biomedical Engineering at UNC Chapel Hill and NC State University. In 2018, my wife and I moved from Boston, where we had spent the past decade, to North Carolina, so I could start my research lab at UNC. I had completed my PhD in Mechanical Engineering at MIT then crossed the river for

a postdoc in a joint appointment between Harvard and BU. The move south marked the biggest transition of my life, as it does for so many junior faculty, and initially I spent too much time focusing on what I had left: New England, where I had grown up and completed my training; a city, where it seems like everyone is a scientist; large well-funded and engineering-focused labs, where I completed my PhD and postdoc; and quite honestly jobs where I understood what was required for success and how to structure my time efficiently. Leaving all of this behind to begin a job in which the complexity and demands on time seemed to grow each day was daunting, and it became immediately apparent, as it does for so many people, that a postdoc is at best inadequate training for setting up an independent laboratory and training graduate students and postdocs. However, with help from colleagues at UNC, an incredibly patient spouse, and the infinite optimism of a golden retriever puppy, I learned what this new job entailed, recruited some fantastic people, and came to realize that the gains exponentially outweighed the costs of this strange and complicated transition. Here are a few specific things I learned with the acknowledgement that in beginning my 5th year, I'm still learning how to run a lab and manage trainees.

[Read more from Dr. Polacheck here.](#)

Lab of the Month



Lab of the Month - November 2022

The Lab of Dr. William Polacheck

This month we are highlighting the lab of Dr. William Polacheck, Assistant Professor at UNC Chapel Hill and NC State University. Find out more about his lab by visiting [his page](#) in our Lab of the Month listing.

Spotlight on Trainees

How has the COVID pandemic shaped the job-seeking process?

The [CareerConnect](#) resource from the American Association of Medical Colleges offers tips on preparing for questions you might be asked—or want to ask—in job interviews in the wake of the COVID-19 pandemic. Irrespective of your career stage or the nature of position you are seeking, the AAMC suggests considering closely the impact of the last two years: How do you communicate and engage with others when working remotely? How did your institution communicate with and manage employees during the pandemic? What do you do differently now than you did pre-pandemic? What makes you excited to get up in the morning?

Originally published in our November 3 issue

Recent Member Publications

Plexin D1 negatively regulates zebrafish lymphatic development
Development

Career Center



There's an app for that!

Download the **MemberPlus** app to register for events, find other NAVBO members and access resources such as the **Career Center** and the **NAVBO Academy** on your phone or tablet. **Go to the App Store or Google Play.**



22nd International
Vascular Biology Meeting
San Francisco Bay Area
October 13-17, 2022



IVBM 2022 Supporters

We gratefully acknowledge the support of the following societies, academic centers and corporations.

Grant



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Lymphangiogenesis is a dynamic process that involves the directed migration of lymphatic endothelial cells (LECs) to form lymphatic vessels. The molecular mechanisms that underpin lymphatic vessel patterning are not fully elucidated and, to date, no global regulator of lymphatic vessel guidance is known. [Read more](#)

TMEM100, a Lung-Specific Endothelium Gene
Arteriosclerosis, Thrombosis, and Vascular Biology
[Read more](#)

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.

CSR's Early Career Reviewers

The Center for Scientific Review (CSR) at the National Institutes of Health invites early career scientists to join our Early Career Reviewer program. Participants gain first-hand NIH grant review experience which can be helpful in preparing their own grants.

In brief, the program is open to those who:

- Have at least 1 year of independent research experience (assistant professors and similar roles; associate professors are not eligible and post-docs are not eligible)
- Have not held an R01 or equivalent
- Have at least one senior-authored publication (first, last, or corresponding) since earning a Ph.D. or M.D. and at least one in the last 2 years
- Have submitted an NIH grant application and received the summary statement

Details and the application can be found here:

<https://public.csr.nih.gov/ForReviewers/BecomeARewriter/ECR>

Questions are welcome – CSRearlycareerreviewer@mail.nih.gov

Industry News

Suite of virtual events from NIH and HHS available during 2022-23

The NIH Division of Human Subjects Research and HHS Office of Human Research Protections are offering a [Human Subjects Research: Policies, Clinical Trials, & Inclusion](#) event on Dec. 6 and 7, 2022. NIH and HHS experts will share policies, resources, guidance, and case studies. [Registration](#) is free and is included in the virtual [NIH Grants Conference 2022-2023 season](#). The Conference events include more than 25 different topics on funding, policies, and processes shared by NIH and HHS personnel. Once registration is complete, just log into the site and save upcoming events to your calendar, gather resources from over 45 NIH Institute, Center, and Office booths in the virtual Exhibit Hall, and come back to visit any time during the conference season.

Heart valve investigator among Chan Zuckerberg DEI awardees

Earlier this year, the Chan Zuckerberg Initiative, in partnership with the National Academies of Sciences, Engineering, and Medicine, launched the [Science Diversity Leadership program](#) to recognize and further the leadership of excellent biomedical researchers who — through their outreach, mentoring, teaching, and leadership — have a record of promoting diversity, equity and inclusion in their scientific fields. Among this year's awardees is Brian Aguado, an Assistant Professor of Bioengineering at UC-San Diego, for his project titled "Addressing Sex and Ancestral Disparities in Aortic Valve Stenosis," which uses biomaterial-based tools to help define precision drug- and device-based treatments for diverse patients.

Documentation of "Long COVID" continues

As [reported in The Washington Post](#), a Scottish [study](#) involving nearly 100,000 participants (confirmed cases and a matched comparison group) has added further evidence that many people do not fully recover months after being infected with SARS-CoV2. Of >31,000 patients with symptomatic infection studied, 6% had not recovered and 42% had recovered only partially after 18 months. A history of symptomatic infection was associated with persistent symptoms that included breathlessness, heart palpitations, and chest pain. Encouragingly, patients with asymptomatic infections were unlikely to suffer long-term effects, and vaccination appeared to offer some protection from persistence of symptoms. Study authors emphasize that "... understanding long-COVID is essential to inform health and social care support."

Originally published in our November 3 issue

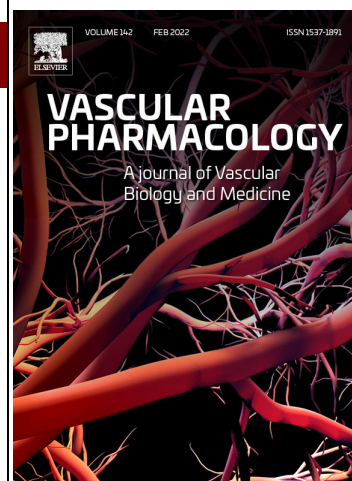
Summer Programs

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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:

- [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)

Call for Papers/Proposals

Emerging Methods in Profiling Endothelial Cells at Single-Cell Resolution

Zhen B. Chen
City of Hope,
Department of Diabetes
Complications and
Metabolism

Naseeb Kaur Malhi
City of Hope,
Department of Diabetes
Complications and
Metabolism

JoVE | Methods Collections

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](#).

frontiers | Frontiers in Physiology

Novel Adipose Regulation of Vascular Physiology and Cardiovascular Disease

Carolina Restini, Michigan State University, United States
Cameron G McCarthy, University of South Carolina, United States
Jessica Faulkner, Augusta University, United States

Topic Editors

Research Topic now open for submissions

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 express 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



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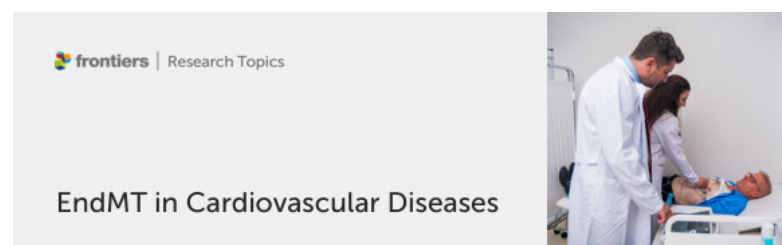
Guests



Academic Summa Cum Laude

the prevalence and incidence of cardiovascular disease by targeting adipose tissue depots.

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



“**EndMT in Cardiovascular Diseases**” hosted by Drs. Mabruka Alfaidi (LSU Health Shreveport, USA), J. Geoffrey Pickering (Western University London, Canada) and Paul Evans (University of Sheffield, UK).

Endothelial-to-mesenchymal transition (EndMT) is characterized by multiple morphological and physiological changes, including loss of endothelial cell polarity, disruption of intercellular junctions, migration, altered extracellular matrix secretion, and increased proliferation. EndMT is a fundamental process during early development, however, it has been identified in a multitude of cardiovascular disease processes such as progressive atherosclerotic plaques, valvular heart disease, myocardial infarction, pulmonary hypertension, and cardiac fibrosis and remodeling in heart failure. EndMT entails a spectrum of cell phenotypic changes in which endothelial cells (ECs) downregulate their adhesion junction molecules (e.g. CD31, VECAD) and upregulate contractile and invasive markers (e.g. SMA, nCAD, CNN1). During development and in the process of transition, ECs delaminate from an organized cell layer and invade the underlying tissue. However, there is less understanding of these processes in the post-development stages, especially during the pathogenesis of cardiovascular diseases.

Submit your paper here: <https://www.frontiersin.org/research-topics/42648/endmt-in-cardiovascular-diseases>

Abstract Submission Deadline: 04 October 2022
Manuscript Submission Deadline: 04 December 2022

Special Issue “**Angiogenic and Pathological Performance of Vascular Endothelial Cells**” co-edited by our NAVBO members, Dr. Jun Zhang (TTUHSC) and Dr. Mary C. Wallingford (Tufts).

We are soliciting contributions from experts from NAVBO community in the vascular endothelial cell (EC) research field. This issue will focus on the angiogenic and pathological performance of vascular/microvascular ECs, covering activation, proliferation, migration, invasion, tube formation, the clonal expansion of ECs and cell junctions, maintenance and the malformations of vasculatures and the blood–brain barrier (BBB). Papers will be published in IJMS (International Journal of Molecular Sciences, impact factor, 6.208) are welcome in order to include results at both the cellular and molecular level.

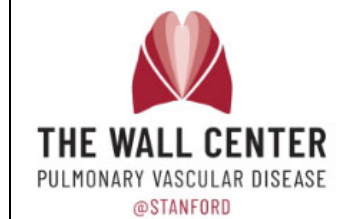
For detailed Manuscript Submission Information, please go to website:
https://www.mdpi.com/journal/ijms/special_issues/48C0H1HFX7



Magna Cum Laude



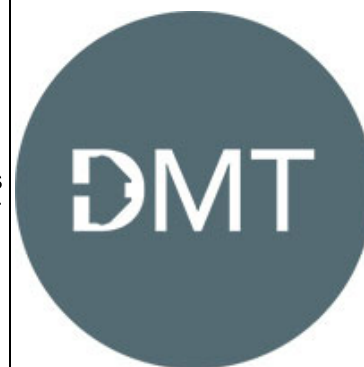
Cum Laude



Contributors



Exhibitors



Signaling and Therapy in Cerebral Cavernous Malformations



www.vpjournal.net

OCZ

Special issue title: **Signaling and Therapy in Cerebral Cavernous Malformations**

Introduction: Cerebral cavernous malformations (CCMs) are ectatic capillary-venous malformations that develop in approximately 0.5% of the population. These malformations, which can vary in size from 2 millimeters to several centimeters in diameter, may be hereditary but most often occur on their own. As opposed to other kinds of hemangiomas, CCM vessels, which have the appearance of a small mulberry, develop and create problems in the brain or spinal cord. Patients with CCMs may develop headaches, focal neurologic deficits, seizures, and hemorrhages. In this special issue, we aim to report latest advances of CCMs.

Submit your paper here:

https://vpjournal.net/journal/special_detail/1090

Submission Deadline: 31 March 2023

Calendar of Events

November 29, 2022	Career Development Forum Part IV: Good Practices for Grant Writing
December 8, 2022	InFocus - Molecular Control of Vascular Heterogeneity
January 7 - 8, 2023	First Regional EVSS Conference
January 15 - 20, 2023	Vascular Complexity, Heterogeneity, and Metabolism in Health and Disease
Jan. 31 - Feb. 3, 2023	VAC 2023
August 6 - 11, 2023	Gordon Research Conferences 2023 in Biomechanics on Vascular Biology and Disease

[Visit the NAVBO Calendar of Events for more meetings](#)

Job Postings

Job Title	Company	Location
Postdoctoral fellow/Research Associate-Laboratory of Molecular and Translational Vascular Research	Weill Cornell Medical College	New York, NY
Postdoc - Yale University - Vascular or Lung Biology	Yale University School of Medicine	New Haven, CT
Postdoctoral Fellow Position	Johns Hopkins University School of Medicine	Baltimore, MD
Post Doctoral Scholar	University of Western Ontario	London, ON, Canada



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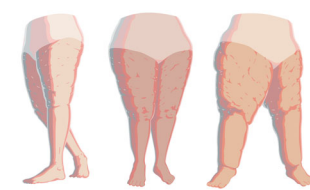


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Postdoctoral Opportunities	Harvard Medical School	Boston, MA
Assistant/Associate/Full - Internal Medicine- Cardiovascular Medicine	Yale School of Medicine	New Haven, CT



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