



# NewsBEAT

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## Subscribe to the NAVBO Podcast!



### Vascular Crosstalk Honors Women in Science

Episode Two of **Vascular Crosstalk**, NAVBO's podcast series, is now available! This month's episode celebrates women in science. Our guests are **Ondine Cleaver**, UT Southwestern Medical Center, **Luisa Iruela-Arispe**, Northwestern University and **Diana Lautenberger**, American Association of Medical Colleges. Lisandra Vila Ellis will lead a discussion that will focus on gender disparities. Tune in on your favorite podcast platform.



Also in honor of International Day of Women and Girls in Science, see NAVBO's social media posts honoring our female awardees and presidents. See our posts on [Twitter](#), [LinkedIn](#), [Facebook](#), or [Instagram](#).

## Congratulations!!



**Earl P. Benditt Award**  
**Miikka Vikkula, MD, PhD** is the 2023 recipient of the Earl P. Benditt Award, in recognition of his numerous contributions to our understanding of the genetic basis of lymphatic and vascular anomalies. Please join us at VB2023 at the Newport Harbor Island Resort this October to honor Dr. Vikkula as he receives this well-deserved award. [Learn more about Dr. Vikkula.](#)

### Judah Folkman Award

**Michael Potente, MD** is the recipient of the 2023 Judah Folkman Award in Vascular Biology, recognizing outstanding contributions from mid-career vascular biologists. His research at the Max Planck Institute in Berlin is focused on understanding the role of intermediary metabolism in the regulation of angiogenesis. Please join us at VB2023 to honor Dr. Potente as he receives the Folkman Award. [Learn more about Dr. Potente.](#)



## Member News

### Welcome to our New Members:

Isabella Hetherington, University of South Florida  
Cholomi Jung, Yonsei University College of Medicine  
Priya Mistry, University of Toronto  
Suejean Park, University of Toronto  
Alexandra Racanelli, Weill Cornell Medicine

### In this issue...

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- 2023 Awardees
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Did someone forward this newsletter to you?

Want keep up to date on opportunities in the vascular biology community?

Not a NAVBO member?

**Subscribe Here**

The NAVBO NewsBEAT is now published monthly - the next issue will be mailed on March 9.

### Meetings/Events



October 20-24, 2024  
Monterey, CA

### Topics in Vascular Biology:

Development & Genetics

Inflammation

Matrix Biology & Bioengineering

Signaling

Microcirculation

Mechanotransduction

Vascular Malformations

Preliminary Program available on the web site:

<https://navbo.org/vb2024>



**Webinars** - 1st Thursday  
**InFocus Sessions** - 2nd and 4th Thursdays

## Luisa Iruela-Arispe and Jan Kitajewski honored as 2022 AAAS Fellows

NAVBO luminaries Drs. **Luisa Iruela-Arispe** (Northwestern University) and **Jan Kitajewski** (University of Illinois-Chicago) have been named 2022 Fellows of the American Association for the Advancement of Science (AAAS), the largest general scientific society in the world. The 2022 class of AAAS Fellows includes more than 500 scientists, engineers and innovators representing dozens of scientific disciplines, recognized for their scientifically and socially distinguished achievements. **Congratulations, Luisa and Jan!**

If you have news to share with your colleagues, send it to [membership@navbo.org](mailto:membership@navbo.org)

## 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. 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

[Download and post our flyer.](#) Thank you!

## Lab of the Month



### Lab of the Month - February 2023

#### The Lab of Dr. B. Rita Alevriadou

This month we are highlighting the lab of Dr. B. Rita Alevriadou, Professor at the University at Buffalo – The State University of New York (SUNY – Buffalo). Find out more about her lab by visiting [her page](#) in our Lab of the Month listing.

## Spotlight on Trainees

### NIH trainee support guidelines released for FY2023

The NIH has issued Notice [NOT-OD-23-076](#), Ruth L. Kirschstein National Research Service Award (NRSA) Stipends, Tuition/Fees and Other Budgetary Levels Effective for Fiscal Year 2023, which establishes stipend levels for fiscal year (FY) 2023 for undergraduate, predoctoral, and postdoctoral trainees and fellows. Several subcategories of support, such as Training Related Expenses and Institutional Allowances for predoctoral and postdoctoral trainees and fellows, have increased moderately, while Tuition and Fees for all educational levels remain unchanged from the prior budget year. Appointments to institutional training grants that have already been awarded in FY 2023 must be amended to reflect the FY 2023 stipend levels once the training grant award has been adjusted by the NIH.

## Recent Member Publications

### Angiogenesis Invasion Assay to Study Endothelial Cell Invasion and Sprouting Behavior

#### Methods in Molecular Biology

Angiogenesis is the formation of new blood vessels from the existing vasculature. It is a fundamental process in developmental biology but also a pathological event that initiates or aggravates many diseases. In this complex multistep process, endothelial cells

Journal Clubs - 3rd Thursdays  
Special Sessions on Tuesdays  
([check schedule](#))



## IVBM 2022 Supporters

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

### Grant

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Event Partners

**Calico**

**frontiers** Impact Factor 6.050  
in Cardiovascular  
Medicine

**JCI** The Journal  
of Clinical Investigation

**NOVARTIS**



are activated by angiogenic stimuli; undergo specialization in response to VEGF/Notch signaling; degrade the basement membrane of the parent vessel; sprout, migrate, and proliferate to form capillary tubes that branch; and ultimately anastomose with adjacent vessels. [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](mailto:membership@navbo.org). Please note, only papers authored by current NAVBO members are accepted for inclusion.

## Industry News

### Applications for Science & PINS Prize due mid-March

AAAS and PINS Medical invite applications for the [Science & PINS Prize](#), awarded annually since 2016 for innovative research that explores modulation of neural activity in targeted sites as a therapeutic approach in translational medicine. Applications consist of a 1,000 word essay describing relevant research performed in the past three years. Entrants must have received their advanced degree within the last 10 years and be no older than 45 years as of January 1, 2023. Applications for the US\$25,000 award are due March 15, 2023.

### Advances in experimental vascular regeneration post-MI

Kim and colleagues, writing in [Experimental and Molecular Medicine](#), describe a dual human stem cell approach to vascular regeneration following myocardial infarction. Paraphrasing from the article abstract, the investigators use CD31+ endothelial cells derived from induced pluripotent stem cells and mesenchymal stem cells engineered to secrete stromal derived factor-1 $\alpha$  (SDF-eMSCs), to simultaneously promote natal vasculogenesis and angiogenesis. The authors report direct contribution of hiPSC-ECs to new vessel formation in ischemic hearts, resulting in enhanced cardiac function.

## Summer Program

10 weeks of hands-on experience in cardiovascular research within our laboratories, professional skill-building, and seminars focused on STEM careers, how to apply to medical school and other allied health programs, and how to navigate graduate and medical school.



**Eligibility:**  
-from under-represented ethnic/racial group &/or LGBTQ+  
-U.S. Citizen or Permanent Resident  
-undergraduate (rising sophomore, junior, senior)  
-have expressed interest in biomedical research/healthcare  
-available for full-time, in-person commitment on MCW's Milwaukee campus from May 31 - Aug 4, 2023  
-for more information: [www.mcw.edu/SURE](http://www.mcw.edu/SURE)

**Benefits:**  
-\$6,000 stipend  
-free lodging on nearby campus housing if not locally-based  
-gain experience for a career in STEM!

**Apply Now:**  
\*\*Deadline: February 1, 2023\*\*  
Complete an MCW SPUR (yes, SPUR) application, selecting "cardiovascular research" within the application



Questions: [CVC@mcw.edu](mailto:CVC@mcw.edu)

Funded by the American Heart Association and the American College of Cardiology Cardiovascular Center

Summer Program at the Medical College of Wisconsin (click on the image for more info)

## Institute for Public Health Summer Research Program

### CARDIOVASCULAR DISEASE & HEMATOLOGY



Students in our *new* Summer research Diversity Program in Cardiovascular Disease & Hematology (RADIANCE) track learn about the broad scope of heart and blood disorders and their interdisciplinary and multidimensional impact.

Washington University in St. Louis  
INSTITUTE FOR PUBLIC HEALTH

This program is supported by the National Heart, Lung, and Blood Institute (NHLBI).

Contact us: [radiance@wustl.edu](mailto:radiance@wustl.edu)

[Click here for more information.](#)

## Call for Award Nominations



Nominations are now being accepted for these awards through March 15, 2023.

The **Stephen M. Schwartz Award** recognizes an outstanding mentor. This is a great opportunity to recognize your mentor!

## Contributors

ACS  
Pharmacology  
& Translational Science



ScienceAdvances  
AAAS

Participating  
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The Japanese Vascular Biology and  
Medicine Organization



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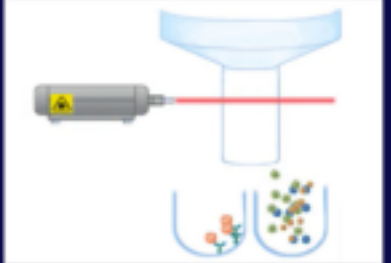


Our newest award, the **Florence Sabin Award**, recognizes an individual who has distinguished themselves in at least one of the following areas: promoting diversity, equity, and inclusion in social issues which benefit underrepresented groups, public health, or public service to the broader community.

[Click here for information about nominating a colleague.](#)

## 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](mailto:zhenchen@coh.org) or [follow this link](#).

## Did you know?

You can connect with fellow NAVBO members through the **Vascular Network Community**

Respond to emails that you receive through the NAVBO Vascular Network or visit the site and post questions, comments and start conversations. The NAVBO Mentoring Program is within the Community site, [so visit today!](#)

 International Journal of  
**Molecular Sciences**  
an Open Access Journal by MDPI

IMPACT FACTOR 6.208 Indexed in: PubMed

Angiogenic and Pathological Performance of Vascular Endothelial Cells

Guest Editors  
Dr. Jun Zhang, Prof. Dr. Daniele Rigamonti, Dr. Mary C. Wallingford

Deadline  
24 April 2023

**Special Issue**  
Invitation to submit

[mdpi.com/si/135975](http://mdpi.com/si/135975)

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)*. 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**

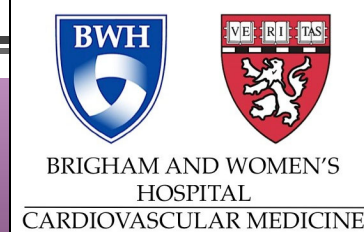
## Guests



**BMVBS**  
British Microcirculation &  
Vascular Biology Society



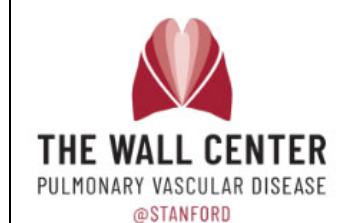
**Academic  
Summa Cum Laude**



**Magna Cum Laude**



**Cum Laude**



**Contributors**



**Exhibitors**

Open Access  
ISSN: 2574-1209 (Online)

**VP VESSEL PLUS**

# Signaling and Therapy in Cerebral Cavernous Malformations

Guest Editors:  
Dr. Robert Shenkar  
Dr. Jun Zhang

www.vpjournal.net

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](#)

Submission Deadline: March 31, 2023

**biomolecules**  
an Open Access Journal by MDPI

IMPACT FACTOR 6.064  
Indexed in: PubMed

## Barrier Formation and Homeostasis in the Vertebrate Brain

Guest Editors  
Prof. Dr. Ramani Ramchandran, Dr. Karthikeyan Thirugnanam, Dr. Ankan Gupta

Deadline  
15 June 2023

**Special Issue**  
Invitation to submit

mdpi.com/si/151961

**Barrier Formation and Homeostasis in the Vertebrate Brain**

In this Special Edition, the guest editors, including **Ramani Ramchandran, Medical College of Wisconsin**, invite you to submit articles that study the various barriers associated with child and adult brains, such as the blood–brain barrier, blood–retinal barrier, blood–lymph barrier and the blood–cerebrospinal fluid barrier. Studies focused on cell–cell interactions and the mechanisms underlying barrier formation or disruption are welcome. Approaches utilizing 3D microfluidic-based primary cell culture model systems, organoids, induced pluripotent stem cells, zebrafish, rodent model systems and human brain tissue are welcome. Computational modelling studies that mimic and provide novel hypotheses in barrier formation will also be considered. In general, we are interested in a multi-faceted innovative approach to barrier formation in vertebrates, and its role in disease. Endothelial barrier formation in tissues outside the brain will also be considered on a case-by-case basis. Original articles, reviews, hypotheses, and perspectives are welcome. Studies must be focused on basic science using in vitro, in vivo, and pre-clinical models. Manuscripts with exclusive clinical studies will not be considered.

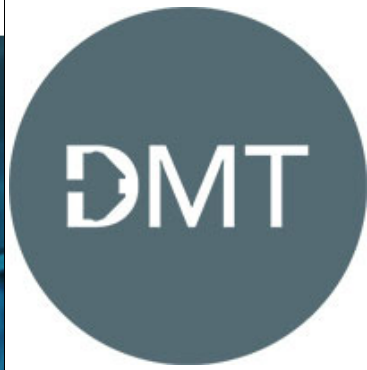
<https://www.mdpi.com/si/151961>

Deadline for manuscript submission is June 15, 2023.

**Calendar of Events**

Feb. 9, 2023 InFocus - Marfan Syndrome  
Feb. 16, 2023 Journal Club - February 2023

**Applied BioPhysics**  
Quantifying Cell Behavior



Feb. 21, 2023	Frontiers in Cardiovascular Sciences Seminar Series with Thomas Quertermous
February 23, 2023	InFocus - Vasculature under Hypoxia
February 2023	FASB Short Course - Center for Complex Biological Systems
March 21, 2023	Frontiers in Cardiovascular Sciences Seminar Series with Sharon Gerecht
June 13 - 17, 2023	Lymphatic Forum 2023
August 6 - 11, 2023	Gordon Research Conferences 2023 in Biomechanics on Vascular Biology and Disease
October 24 - 27, 2023	Critical Issues in Tumor Microenvironment: Angiogenesis, Metastasis and Immunology

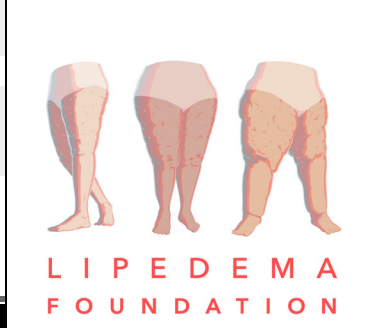
[Visit the NAVBO Calendar of Events for more meetings](#)

## Job Postings

<a href="#">Post-doctoral and/or Staff Specialist positions in vascular biology</a>	UCSF	San Francisco, CA
<a href="#">Postdoctoral researcher in ocular vascular biology</a>	Northwestern University, Feinberg School of Medicine	Chicago, IL
<a href="#">Postdoctoral Fellowship Opportunities in Regenerative Medicine</a>	University of Illinois College of Medicine	Chicago, IL
<a href="#">JOHNS HOPKINS FELLOWSHIP IN VASCULAR AND CARDIAC IMMUNOLOGY</a>	Johns Hopkins Medicine	Baltimore, MD
<a href="#">PostDoctoral/staff scientist</a>	Temple University School of Medicine	Philadelphia, PA
<a href="#">Postdoctoral Scholar</a>	Northwestern University, Feinberg School of Medicine	Chicago, IL



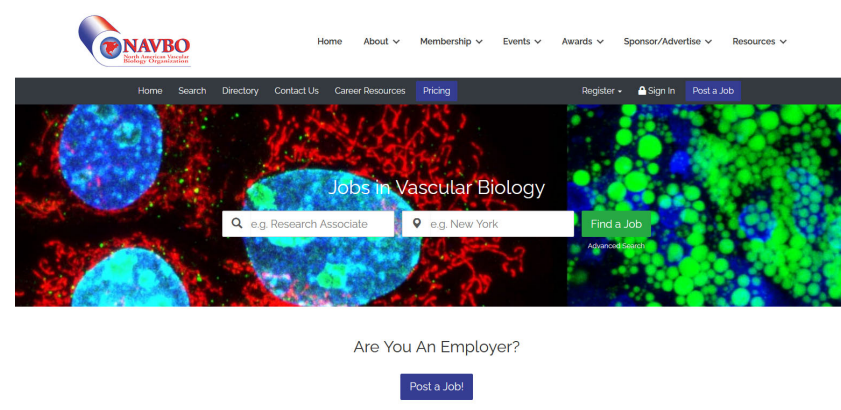
## Corporate Members



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## Cardiovascular Pathology



## Post an open position today!

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

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