



NewsBEAT

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Congratulations to Amber Stratman

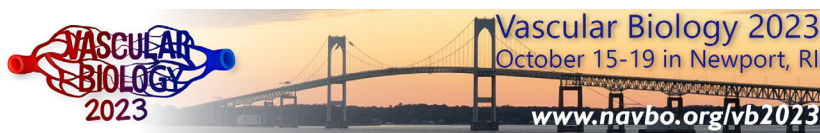


Recipient of the 2023 Springer Junior Investigator Award

Amber Stratman, Washington University in St. Louis, is the 2023 recipient of the Springer Award. Dr. Stratman will give the Springer Junior Investigator Award Lecture titled, "Hemodynamic regulated genes that alter vascular development," on October 18 at Vascular Biology 2023 in Newport, RI. [Add your congratulations to Amber on our Twitter feed.](#)

The Springer Junior Investigator Award is supported by "Angiogenesis," published by Springer Nature.

Last Chance to Register Online



Visit the web site to view the entire program - <https://navbo.org/vb2023>

Register online and save \$\$\$\$*
Online Registration ends October 13
**\$50 will be added to onsite registrations*

Abstract presentations now listed on the web site.

Seeking Proposals



NAVBO and LE&RN are seeking proposals to organize the next Lymphatic Forum in 2025

The Biennial Lymphatic Forum is intended to bring together a diverse group of scientists and clinicians studying different aspects of normal and pathological lymphatic biology using different

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

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Subscribe Here

Tune into NAVBO's Podcast - new episodes monthly.

VASCULAR CROSSTALK



BY NAVBO

Meetings/Events



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

experimental models. This meeting provides a unique format for exchanging ideas and information, evaluating the current views on the functional roles of lymphatic vasculature in health and disease, and attracting early investigators, postdocs, and students to join this expanding research area. The biennial Forum was inaugurated in 2013 at Yale University (New Haven, CT) and has since been sponsored by the National Institutes of Health (NIH, 2015), Northwestern University (Chicago, IL, 2017), Texas A&M University (Austin, TX 2019), and the University of Calgary (Banff, Alberta, Canada, 2023). A virtual meeting was held in 2021 during the pandemic.

Institutions interested in hosting LF2025 are invited to submit a proposal to host the Lymphatic Forum 2025. All applications will be considered on their merit alignment with the Forum's ambitious goals. [Read more.](#)

Proposal due date: November 30, 2023

Celebrating 20 years!

Join us in Commemorating 20 Years of Workshops in Developmental Vascular Biology

In celebration of the momentous 20th Anniversary of the Developmental Vascular Biology Workshop, the original chairs, **Luisa Iruela-Arispe** (Northwestern University) and **Brant Weinstein** (NICHD/NIH), and NAVBO are thrilled to announce a three-day virtual conference, February 12-14, 2024. This exceptional event will bring together pioneers and rising stars in the field, showcasing the remarkable progress made over the past two decades.

Mark your calendars, [register](#) and be part of this extraordinary celebration of 20 years of Workshops on Developmental Vascular Biology. Topics will include: evolutionary origins and diversity of the vasculature, lymphatic vascular biology, cell-cell, cell-matrix, and cell-tissue interactions, vascular signaling, vascular morphogenesis, and vessel guidance and formation of vascular networks

Abstracts will be solicited for short talks; submission site will open in December. Plan to join us online for this unique online event!

Lessons Learned

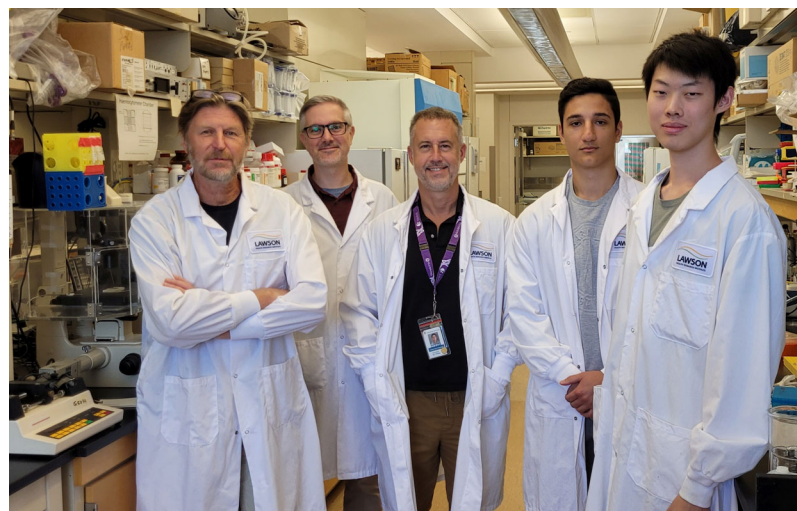
Check out episodes 7 and 8 of Vascular Crosstalk



In our two latest episodes on "*Looking for a Job in Academia*," Dr. Vila Ellis, a new Assistant Professor at Northwestern University, talks with three other relatively new Assistant Professors, **Art Yurdagul** (LSUHSC-Shreveport), **Laura Pillay** (Western Washington University) and **Noelia Grande Gutiérrez** (Carnegie Mellon University). They reveal the trials and tribulations of setting up a new lab, and discuss the application and interview process, offering wonderful advice and insights. Tune in at

<https://vascularcrosstalk.podbean.com/>

Lab of the Month



Lab of the Month - October 2023
The Lab of Dr. Gediminas Cepinskas

This month we are highlighting the lab of Dr. Gediminas Cepinskas, Director at Lawson Health Research Institute and Professor at Western University. Find out more about his lab by visiting [his page](#) in our Lab of the Month listing.

VASCULAR BIOLOGY 2024
October 20-24, 2024
Monterey, CA
Topics in Vascular Biology:
Development & Genetics
Inflammation
Matrix Biology & Bioengineering
Signaling
Microcirculation
Mechanotransduction
Vascular Malformations

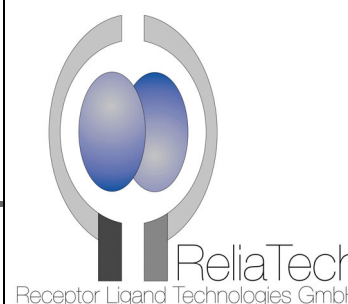
Preliminary Program available on the web site:
<https://navbo.org/vb2024>



VB2023 Supporters
ADDITIONAL VENTURES



The Center for Cardiovascular Immunology Research at the Peter Munk Cardiac Centre



2-5 July 2024, Amsterdam, the Netherlands



KEYNOTES: Kari Alitalo, Kristy Red-Horse, Hans Clevers
Stefanie Dimmeler, Nikolaus Rajewsky, Anne Eichmann
Didier Stainier, Stefania Nicoli



Member News

Welcome to our New Members:

Havovi Chichger, Anglia Ruskin University
Jade Cleary, University of Vermont
Soumyashree Das, National Centre for Biological Sciences
Randy Kang, City of Hope
Yunhee Kang, Emory University
Sophia Piffard, University of Vermont
Stephanie Roser, Brown University
Jayden Ross, UCSF
Logan Rubio, Draper
Sarvenaz Sarabipour, Johns Hopkins University
Chhiring Sherpa, Ball State University
Lewis Spurrier-Best, Anglia Ruskin University
Corin Williams, The Charles Stark Draper Laboratory, Inc

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

Spotlight on Trainees

FY2024 student loan repayment program cycle has commenced

Applications for FY2024 [NIH Loan Repayment Program](#) awards opened on September 1, 2023. The program can repay up to \$100,000 of qualified educational debt for those who are eligible and agree to perform NIH mission-relevant research. The deadline for application submission is November 16, 2023. LRPs help recruit and retain highly qualified health professionals to careers in biomedical or behavioral research. Several different extramural LRP categories are available, covering a range of credentials earned and career paths. An LRP Participant Portal allows awardees to see their student loans as well as payment and verification history. Numerous [resources](#) are available through the NIH to guide applicants through the process.

Recent Member Publications

Lymphatic Defects in Zebrafish *sox18* Mutants Are Exacerbated by Perturbed VEGFC Signaling, While Masked by Elevated *sox7* Expression

Cells

Mutations in the transcription factor-coding gene *SOX18*, the growth factor-coding gene *VEGFC* and its receptor-coding gene *VEGFR3/FLT4* cause primary lymphedema in humans. In mammals, *SOX18*, together with *COUP-TFII/NR2F2*, activates the expression of *Prox1*, a master regulator in lymphatic identity and development. [Read more](#)

Endothelial FoxM1 reactivates aging-impaired endothelial regeneration for vascular repair and resolution of inflammatory lung injury

Science Translational Medicine

Aging is a major risk factor of high incidence and increased mortality of acute respiratory distress syndrome (ARDS). Here, we demonstrated that persistent lung injury and high mortality in aged mice after sepsis challenge were attributable to impaired endothelial regeneration and vascular repair. [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.

Industry News

Stem cell-based therapy for diabetic vascular pathologies?

Writing in [Science Advances](#), Gil et al. describe studies the generation, from human induced pluripotent stem cells, of *KDR*+*CD56*+*APLN*R+ (*KNA*+) cells that give rise to endothelial colony-forming cells capable of differentiating into perfused blood vessels when administered to nonobese diabetic/*scid* mice or type 2 diabetic (*db/db*) mice. Further, differentiation of *KNA*+ cells from diabetics reprogrammed gene expression associated with diabetic status to a pattern similar to nondiabetic *KNA*+ cells. The authors consider these findings provide to be a proof of principle that *KNA*+ cells can restore perfusion and correct vascular dysfunction in *db/db* mice.

vizgen[®]

Visualizing Gene Expression In Situ

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Schwartz Award



Exhibitors

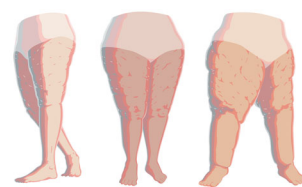
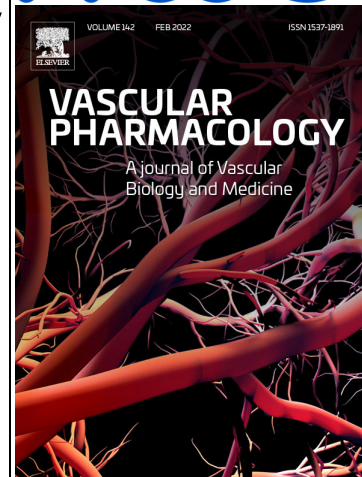


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**L I P E D E M A
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Applications open for BiInnovation Institute and Science Prize for Innovation

Entrepreneurial scientists are vital to the success of translational medicine. To encourage more scientists to translate their research, BiInnovation Institute and Science collaborate to host the annual BiInnovation Institute & Science Prize for Innovation, rewarding creative researchers asking fundamental questions at the intersection of the life sciences and entrepreneurship. Winners will have their essays published in Science, interact with entrepreneurship professionals, and receive a cash award. ecosystem. The deadline for submission of the [1000-word essay application](#) is November 1, 2023.

Clues emerge on mechanism of relationship between SARS-CoV-2 infection and cardiovascular disease

A study recently published in [Nature Cardiovascular Research](#) reports direct infection of coronary artery tissue by SARS-CoV-2, leading to a highly inflamed heart vasculature and increased risk of heart attack and stroke. The study provides mechanistic insight into the heart-related complications of COVID-19. The investigators detected SARS-CoV-2 in coronary arterial tissue and atherosclerotic plaque from patients who had died from COVID-19. Moreover, both arterial and plaque cells, including macrophages and foam cells, could be infected with SARS-CoV-2 in vitro. Foam cells were especially infectable and may act as a reservoir of SARS-CoV-2 in plaque and persistent generator of pro-inflammatory cytokines. Having more build-up of plaque, and thus a greater number of foam cells, could increase the severity or persistence of COVID-19.

Summer Programs

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

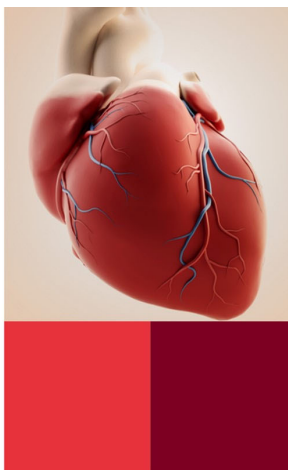
[Click here for more information.](#)

Call for Papers/Proposals

 **frontiers** | Research Topics
Frontiers in Cardiovascular Medicine

New Trends in Vascular Biology 2023

[Open for submissions](#)



Frontiers in Cardiovascular Medicine launched the new Research Topic **“New Trends in Vascular Biology 2023”** (co-editors: **Masanori Aikawa, Hong Chen, Margreet R. De Vries, Yung Fang, Gabrielle Fredman, Delphine Gomez, Hiroshi Iwata, Shizuka Uchida, Hiromi Yanagisawa**; and assistant editor: **Sarvesh Chelvanambi**). IVBM2022, that NAVBO successfully hosted, inspired us to develop this Research Topic. We hope many of you who presented at the meeting would be interested in submitting original reports, review articles, or methodology papers. The Research Topic is open to everyone. We will also welcome submissions from any investigators who did not participate in IVBM2022. The Research Topic will consider manuscripts across all the areas or disciplines in vascular biology. <https://www.frontiersin.org/research-topics/47678/new-trends-in-vascular-biology-2023>

The deadline for manuscript submission is March 18, 2024. If you have any questions, please do not hesitate to contact the editorial office at: cardiovascularmedicine.editorial.office@frontiersin.org or Masanori Aikawa maikawa@bwh.harvard.edu

We look forward to receiving your manuscripts!

Deputy Editor Dr. Stefano Tarantini and Editor-in-Chief Dr. Zoltan Ungvari, and the editorial team of *GeroScience* (Official Journal of the American Aging Association, published by Springer) invite submission of original research articles, opinion papers and review articles related to



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in disease, injury & regeneration

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Affiliated Journals



**Cardiovascular
Pathology**

 **frontiers** Impact Factor 6.050
in Cardiovascular
Medicine

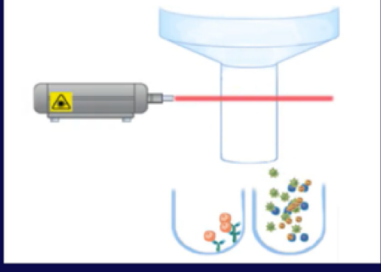



research focused on understanding the mechanisms involved in vascular aging, the factors promoting accelerated aging in vascular cells and the role of vascular cells in the pathogenesis of age-related diseases. NAVBO Member, **Zoltan Arany**, of the University of Pennsylvania, is an Associate Editor in Cardiovascular Function.

All manuscripts should be submitted online here:


<https://www.editorialmanager.com/jaaa/default.aspx>

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](#).

Calendar of Events

- October 15 - 19, 2023 [Vascular Biology 2023](#)
- October 24 - 27, 2023 [Critical Issues in Tumor Microenvironment: Angiogenesis, Metastasis and Immunology Webinar with Julia Mack, UCLA](#)
- November 2, 2023 [EMBO Workshop - The New Cardiobiology Keystone Symposia - UNRAVELING VASCULAR LAYERS TO UNDERSTAND HUMAN DISEASE](#)
- February 20 - 23, 2024 [Asia Pacific Vascular Biology Organization Conference 2024](#)
- March 17 - 19, 2024 [EMBO Workshop - The New Cardiobiology Keystone Symposia - UNRAVELING VASCULAR LAYERS TO UNDERSTAND HUMAN DISEASE](#)
- April 5 - 8, 2024 [Asia Pacific Vascular Biology Organization Conference 2024](#)

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

Product Showcase

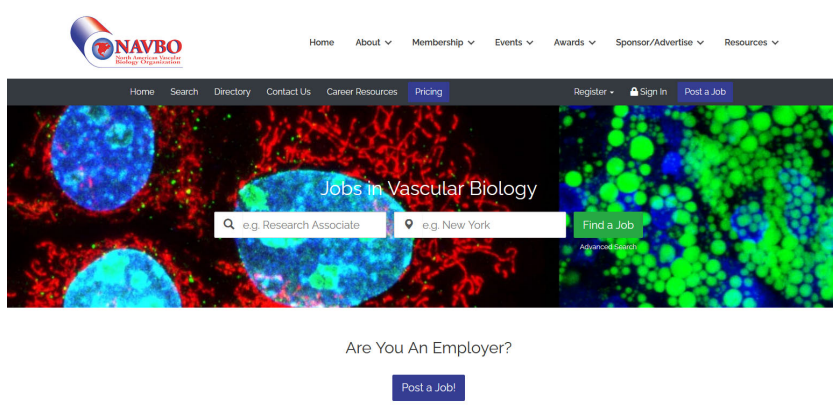


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Job Postings

- [Research Assistant - Immunology Center of Georgia](#) Immunology Center of Georgia at Augusta University Augusta, GA
- [Postdoctoral Fellow - Immunology Center of Georgia](#) Immunology Center of Georgia at Augusta University Augusta, GA
- [POSTDOCTORAL FELLOW POSITION IN TRANSCRIPTOMICS AND BIOINFORMATICS](#) de Duve Institute, Université catholique de Louvain Brussels, Belgium



Post an open position today!

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

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