



# NewsBEAT

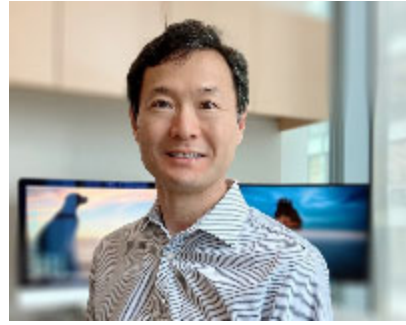
[Membership](#) | [Events](#) | [Awards](#) | [Resources](#)



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## Meet Our New Councilor



### Tsutomu Kume, Ph.D.

Dr. Tsutomu Kume is Professor of Medicine (Cardiology) in the Feinberg School of Medicine at Northwestern University. He received his PhD from the University of Tokyo, Japan and completed his postdoctoral training in developmental biology in the Howard Hughes Medical Institute at Vanderbilt University

Medical Center where he worked with Dr. Brigid Hogan, identifying FOXC1 and FOXC2 transcription factors as key regulators in cardiovascular development.

Since then, Dr. Kume's research has focused on studies of neovascularization in physiological and pathological settings using mice as a model system. His research interests include blood and lymphatic vessel development, transcriptional control of vascular gene expression, vascular cell signaling, (lymph)angiogenesis, and vascular homeostasis and dysfunction. These research efforts have spawned novel areas of investigation with therapeutic implications for pathological processes, including tissue repair and regeneration in various organs/tissues.

Dr. Kume has enjoyed being a member of the NAVBO community since 2007 and served as a member of the Education and Meritorious Awards Committees. He is honored to be a NAVBO Council member as he feels NAVBO is his scientific and intellectual home helping him develop his research career in the field. As he understands NAVBO is a multi-disciplinary society with diverse sets of expertise, ranging from vascular developmental biology to vascular disease such as atherosclerosis and vascular inflammation, he is fully committed to stimulating the innovative science in vascular biology, by bringing basic scientists, physician scientists and clinical investigators together at NAVBO meetings. He believes such efforts will generate new perspectives for vascular biology and the treatment of vascular diseases.

## Coming Up - Vasculata Week!



### Vasculata 2022

July 18-21, 2022

**Duke University Medical Center**

We're excited to have Vasculata hosted at Duke University - organized by Patty Lee, M.D., Duke University; Edward Moreira Bahnon, Ph.D., University of North Carolina at Chapel Hill; and Francis Miller, M.D., Wake Forest University School of Medicine. The program features a keynote lectures by Dr.

Vicki Bautch of the University of North Carolina at Chapel Hill and Dr. Sonia A. Rapaport, hands-on workshops, affordable housing, networking, poster sessions and more! **There are only five spaces left so register now!** There is still room in the workshops as well!

*Take a sneak peak at the list of abstracts being presented*

Go to <https://navbo.org/vasculata>



**Miltenyi Biotec**

Special thanks to **Miltenyi Biotec** for their support and help in organizing the Light Sheet Microscopy Workshop.

Special thanks to **Nortis** for their support and help in organizing the Applying 3D-Engineered Vasculature-on-Chip Models in Drug Discovery Research.

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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 Career Center

## Travel Awards to GRC



**Briana Bywaters**



**Martina Rudnicki**

Congratulations to **Briana Bywaters** of Texas A&M University and **Martina Rudnicki** of York University!! NAVBO was happy to provide travel awards to two of our trainee members to attend the Gordon Research Conference on Endothelial Cell Phenotypes in Health and Disease organized by **Drs. Karen Hirschi**, University of Virginia and **Christiana Ruhrberg**, University College London.

NAVBO provides travel awards to qualified GRCs, [see our web site for more details.](#)

## Thank You for Your Service

We want to acknowledge and thank our immediate past council and committee members who served the NAVBO membership and helped to improve the NAVBO experience for all of its members. Thank you so much for your years of dedication and service!

**Council** - Linda Shapiro, Cynthia St. Hilaire, Masanori Aikawa  
**Education Committee** - Redouane Aherrahrou, Vinicio de Jesus Perez, Carmen Halabi, William Hughes, Melanie Jannaway  
**Membership Committee** - Hong Chen, Beth Kozel,  
**Meritorious Awards Committee** - Guillermo Oliver and Gabriele Bergers  
**Communications Committee** - Angela Glading, Jeffrey Hsu, Jan Kitajewski, Sara Nunes de Vasconcelos and Christiana Ruhrberg

## Lessons Learned



### Erich Kushner, Ph.D.

Hi, my name is Erich Kushner, and I have been an Assistant Professor at the University of Denver for 6 years. With no qualifications, I can say that running a lab has been a tremendous learning curve with both peaks and valleys. Now sitting on the opposite side of the

desk, not providing the data, but being the one to scrutinize it, make difficult decisions, encourage, sometimes having to discourage, and providing personnel feedback, was something I



### 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.

### Corporate Support

**Diamond Level**



### Gold Level Partner

was not prepared for. Although, I believe I have learned a lot over these ensuing years, I know there is a literal universe of tips that would prove to be helpful, many of which having nothing to do with producing rigorous science. Hopefully, new(er) faculty will find the two anecdotes below helpful to subvert the personal and professional flogging I subjected myself to in the early years of starting a lab.

Continue reading Dr. Kushner's Lessons Learned [here](#).

## IVBM - Plan to Attend!



**Abstracts Due: August 1**

**22<sup>nd</sup> International Vascular Biology Meeting**  
October 13-17, 2022  
San Francisco Bay Area  
<https://ivbm2022.org>

- Great opportunities for early stage investigators
- Over 100 abstracts will be selected for short talks within the concurrent sessions
- Three poster sessions
- Ability to indicate first and second choice topics

### See the Preliminary Program

Our program includes several sessions programmed by our collaborating societies. See the program at <https://ivbm2022.org/program>

The program will also include over 100 short talks based on selected abstracts, including the sessions sponsored by the participating societies. Submit your abstract and indicate the theme and topics best aligned with your research. We also expect to have 500 posters over three days - submit your abstract for inclusion in our program!

The abstract deadline is August 1, 2022

### Submit Your Abstract



Travel award applications are also due August 1 - see instructions within the abstract submission site. In order to be eligible for a NAVBO travel award to the IVBM, you must be a NAVBO Trainee Member and you must submit an abstract. Follow the link above to learn more about

submitting an abstract.

More information about the travel awards can be found on the [IVBM web site](#).

More information about [additional opportunities for trainees](#) can be found on the meeting website.

To register for the meeting, go to <https://www.ivbm2022.org/registration/>

**Please note that the IVBM is an in-person meeting.**

## Travel Awards for IVBM

### Trainees Apply for a Travel Award

Several organizations will be offering trainee travel awards to this year's IVBM. You must submit an abstract in order to be eligible (details are included within the submission site). At the time of this announcement the organizations include:

*ACS Pharmacology and Translational Science*  
*American Society for Investigative Pathology*  
*British Microcirculation Vascular Biology Society*  
*Japanese Vascular Biology and Medicine Organization*  
*Korean Society for Vascular Biology and Medicine*  
*Microcirculatory Society*  
*North American Vascular Biology Organization*

Go to <https://www.ivbm2022.org/trainee-opportunities/> for details. **Deadline to apply is August 1 (same as abstract deadline).**

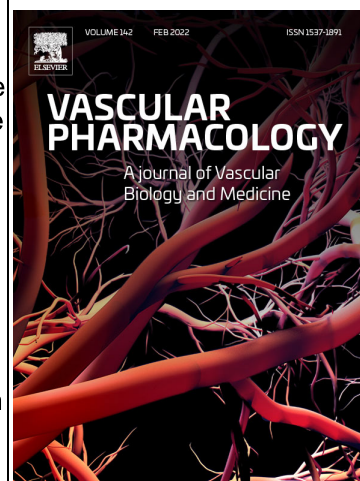
## Lab of the Month

Anses

Strategic Partners



Event Partners



Contributors

ACS  
Pharmacology  
& Translational Science



ScienceAdvances

Participating  
Societies  
Partners





## Lab of the Month - July 2022

### The Lab of Dr. Erich Kushner

This month we are highlighting the lab of Dr. Erich Kushner, Assistant Professor at the University of Denver. Find out more about his lab by visiting [his page](#) in our Lab of the Month listing.

## NAVBO Mentor Match



### Take Advantage of the NAVBO Mentor Match Program

NAVBO is providing our community with a mentor-mentee matching program. Mentors must be NAVBO members. If someone is interested in enrolling as a mentee and is not a NAVBO member, contact Danielle ([membership@navbo.org](mailto:membership@navbo.org)).

When you enroll, select the area in which you would like to concentrate on - managing a lab, looking for a postdoc position, diversity and inclusion, developing a research program, life balance, etc. The system will make mentor suggestions to mentees and mentees can reach out to suggested Mentors.

Find out more about the program within the Vascular Network - <https://community.navbo.org/mentoring>

## Member News

### Welcome to our New Members:

Elizabeth Doherty, University of North Carolina at Chapel Hill  
Keira Goodell, University of Vermont College of Medicine  
Nadia Haghbin, Western University  
Chris Highley, University of Virginia  
Bin Liu, University of Arizona  
Thi Thanh Nhan Nguyen, University of Illinois at Chicago  
Lauren Reyes, Stanford University  
Sanjoy Saha, University of Notre Dame  
Meredith Whitehead, King's College London

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

## Spotlight on Trainees

### Michelson Philanthropies & Science Prize for Immunology

The Michelson Philanthropies & Science are accepting applications for their annual research prize in Immunology. Application is open to investigators 35 and younger, who apply their expertise to research with the potential to broaden the impact of immunology on related disciplines. The award is intended to support transformative research in human immunology, with trans-disease applications to accelerate vaccine and immunotherapeutic discovery. It is open to researchers from computer science, artificial intelligence/machine learning, protein engineering, nanotechnology, genomics, parasitology and tropical medicine, neurodegenerative diseases, and gene editing. Deadline to [apply](#) is Oct. 1, 2022.

## 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



### Sponsors



AUSTRALIAN VASCULAR BIOLOGY SOCIETY



INTERNATIONAL SOCIETY FOR

Applied Cardiovascular Biology



### Guests



BMVBS

British Microcirculation & Vascular Biology Society



INTERNATIONAL ATHEROSCLEROSIS SOCIETY



### Academic

Suma Cum Laude



BRIGHAM AND WOMEN'S HOSPITAL  
CARDIOVASCULAR MEDICINE



Magna Cum Laude

Details and the application can be found here:  
<https://public.csr.nih.gov/ForReviewers/BecomeARewriter/ECR>

Questions are welcome – [CSRearlycareerreviewer@mail.nih.gov](mailto:CSRearlycareerreviewer@mail.nih.gov)

## Recent Member Publications

## Industry News

### AAMC annual meeting slated for November in Nashville

The American Association of Medical Colleges will hold its 2022 meeting November 11-15 in Nashville. A plenary titled Resurrecting Civil Discourse: A Conversation with Robert George and Cornel West will explore, via debate between these leaders in social, cultural, and political thinking, key issues affecting our global community within and beyond the walls of academic medicine. Other sessions will focus on health effects of racial inequities and climate change. Registration info may be found [here](#).

### The shortest distance between two points is...good planning

With pandemic-derived concerns about in-person conferences abating, anxiety increasing has shifted to the vagaries of air travel. A [recent CNN report](#) shares tips on increasing chances of getting where you want to go by air in a timely way. Their hints include strategic flight scheduling to accommodate delays or cancellations and packing of belongings to mitigate consequences of checked luggage gone astray. Bear these handy tips in mind as you plan your travel to [IVBM 2022](#) this fall!

### NASEM workshop on disability associated with Long COVID

The National Academies Press has [issued a report](#) on the proceedings of a workshop on “Long COVID,” the wide range of persisting symptoms experienced by some patients after a SARS-CoV-2 infection. Many knowledge gaps exist regarding Long COVID, including the prevalence of the condition, the impact of the symptoms on survivors' ability to function, and the long-term course of the condition. In view of potentially wide-ranging effects on a person's daily life, federal entities including the Social Security Administration are in need of evidence-based guidance to determine how their programs can best support individuals who suffer disability as a result of Long COVID.

## 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 . . .](#)

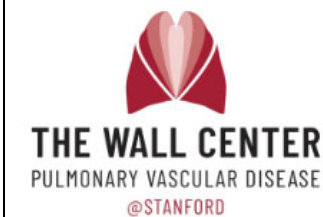
### More PRIDE Programs:

- [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



Cum Laude



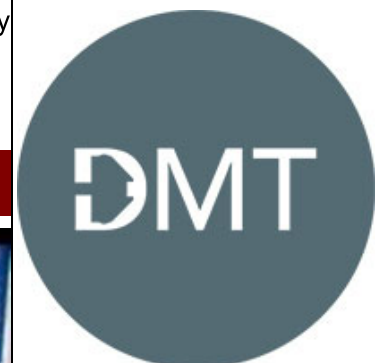
Contributor



Exhibitors



Quantifying Cell Behavior



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Value from Innovation

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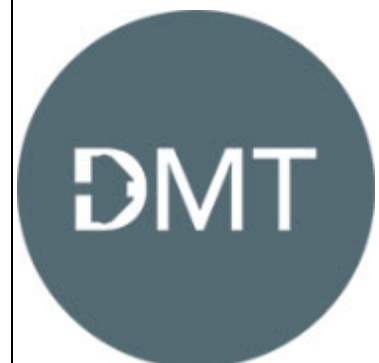


NAVBO

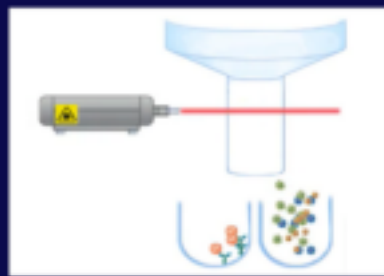
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Quantifying Cell Behavior



## 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](#).



### Lymphatic System: Organ Specific Functions in Health and Disease

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

[Read more](#)

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>

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 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>

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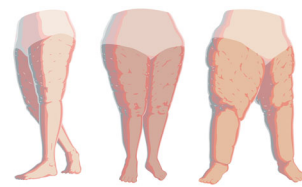
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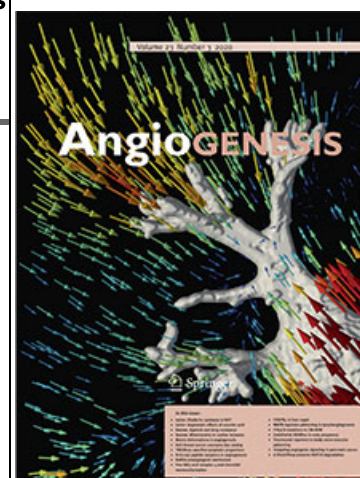
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L I P E D E M A  
F O U N D A T I O N



Affiliated Journals



Cardiovascular  
Pathology

frontiers | Impact Factor 6.050  
in Cardiovascular  
Medicine



**The Lipedema Foundation (LF)** announces a request for research proposals, soliciting high quality research from scientists and clinicians around the world. The initial LOI calls for ideas that have the potential to define and diagnose Lipedema. We welcome applicants of all backgrounds and career stages to collaborate with the Lipedema Foundation in our mission to share knowledge, support research, and achieve a future without Lipedema.

For more details please visit <https://www.lipedema.org/rfp2022>

**The deadline for LOI receipt is July 20, 2022.**

**frontiers**  
in Cardiovascular Medicine  
Impact factor: 6.05

**frontiers**  
in Pediatrics  
Impact factor: 3.418



**Molecular Mechanisms Underlying Single Ventricle Defect**

Yifei Miao, Cincinnati Children's Hospital Medical Center, United States  
Shuyi Nie, Georgia Institute of Technology, United States  
Mingtao Zhao, Nationwide Children's Hospital, United States

Topic Editors

Molecular Mechanisms Underlying Single Ventricle Defect hosted by Drs. Yifei Miao (Cincinnati Children's Hospital Medical Center), Shuyi Nie (Georgia Institute of Technology), and Mingtao Zhao (Nationwide Children's Hospital).

Single ventricle defects (SVD) are among the most complex congenital heart problems and manifest as the underdevelopment of one heart chamber and associated valvular structures. We have organized a special issue on **Frontier in Pediatrics and Cardiovascular Medicine** to collect the current progress into understanding the molecular contributions to SVD.

For more information or to submit an abstract, please email us or use this link: <https://www.frontiersin.org/research-topics/37616/molecular-mechanisms-underlying-single-ventricle-defect>

## Calendar of Events

July 18 - 21, 2022	<a href="#">Vasculata 2022</a>
August 4, 2022	<a href="#">Webinar Featuring Dr. Patty Lee</a>
Sept. 17 - 20, 2022	<a href="#">12th International Kloster Seeon Meeting "Angiogenesis": Molecular Mechanisms and Functional Interactions</a>
Sept. 28 - Oct. 1, 2022	<a href="#">18th Biennial ISACB Meeting</a>
October 13 - 17, 2022	<a href="#">22nd International Vascular Biology Meeting</a>
October 24 - 27, 2022	<a href="#">Critical Issues in Tumor Microenvironment: Angiogenesis, Metastasis and Immunology</a>

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

## Job Postings

Job Title	Company	Location
<a href="#">Assistant, Associate or Full Professor of Cell Biology</a>	University of Virginia	Charlottesville, VA
<a href="#">Two Postdoctoral Positions Available in the Zheng Lab</a>	University of Calgary	Calgary, AB
<a href="#">Life Science Research Professional 1 - Laboratory Manager</a>	Stanford University	Stanford, CA
<a href="#">T32 Cardiovascular Research Training Program</a>	Albert Einstein College of Medicine	Bronx, NY
<a href="#">Two PhD student positions at the Institute for Vascular Signalling</a>	Goethe University	Frankfurt am Main, Germany
<a href="#">Research Assistant Professor and Postdoc fellow</a>	Northwestern University Feinberg School of Medicine-Lurie Children's Hospital of Chicago	Chicago, IL

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