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# NewsBEAT

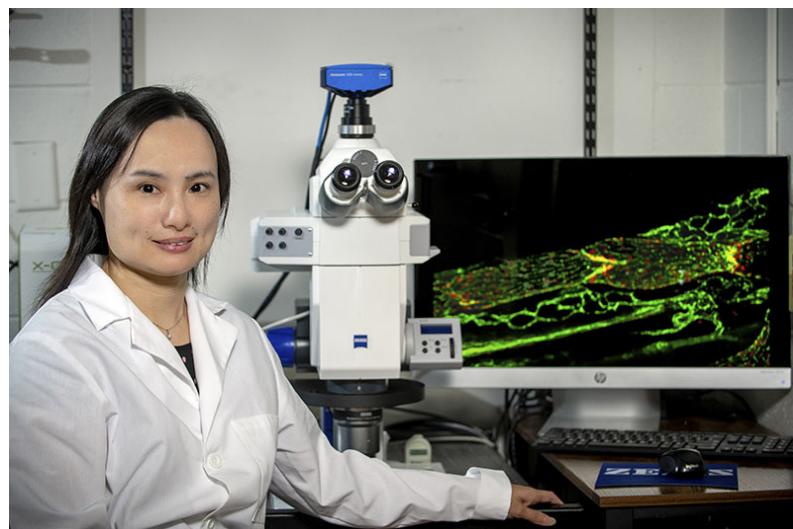
[Membership](#) | [Events](#) | [Awards](#) | [Resources](#)



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## Springer Award



### Springer Junior Investigator Award

#### Ying Yang, University of South Florida

Congratulations to Dr. Yang! She will present the Springer Award Lecture, "*Foxo1 Deletion Promotes the Growth of New Lymphatic Valves*," on Friday, October 29 at 12:45pmET at Vascular Biology 2021 - NAVBO's annual meeting which is virtual this year. [Register for the meeting to attend Dr. Yang's talk.](#)

## Meritorious Award Lectures



### Join us November 2 for the Earl P. Benditt Award by Guillermo Oliver

Dr. Oliver will present the 2021 Earl P. Benditt Award Lecture online at 1:00pmET on November 2. **All members can attend this event!** Simply log in to the Member Portal, choose the event and register or go to <http://navbo.org/benditt-2021>.

Dr. Oliver's presentation is titled, "Prox1 and lymphatics, a personal perspective." Guillermo Oliver is the Director for the Center for Vascular and Developmental

Biology at the Feinberg School of Medicine at Northwestern University. [Learn more about Dr. Oliver and his work.](#)



### Join us November 4 for the Judah Folkman Award by Carlos Fernández-Hernando

Dr. Fernández-Hernando will present the 2021 Judah Folkman Award in Vascular Biology Lecture online at 1:00pmET on Thursday, November 4. **All members can attend this event!** Simply log into the Member Portal, choose the event and register.

His presentation is titled, "*Endothelial dysfunction in coronavirus induced cardiopulmonary disease.*" Dr. Fernández-Hernando is the Anthony N. Brady Professor of Comparative Medicine and of Pathology at Yale School of Medicine. [Learn more about Dr. Fernández-Hernando's work.](#) [Plan to join us!](#)

## Membership Business Meeting

[NAVBO Membership Business Meeting](#)

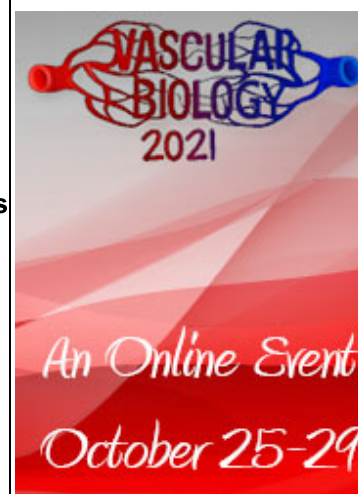
### In this issue...

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### Meetings/Events



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



**Register Now!**

All NAVBO members should plan to attend the Membership Business Meeting on November 3 at 12:00pmET. All NAVBO members will receive a link in their email.

In addition to the Business meeting, we will announce the recipients of the Vascular Biology 2021 Trainee Awards - Best Talks, Outstanding ePosters and the Top Nano-Talk. Add this to your calendar.

## Vascular Biology 2021



VB2021 Starts in 4 days!!!!

There is still time to register - go to <http://navbo.org/vb2021>

Join organizers Courtney Griffin, OMRF; Mark W. Majesky, University of Washington; Kristy Red-Horse, Stanford University for the Developmental Vascular Biology and Genetics Workshop; Christopher Breuer, Nationwide Children's Hospital and Linda Demer, UCLA; A. Wayne Orr, LSU Health Sciences Center Shreveport and Ying Zheng, University of Washington AND over 400 colleagues at Vascular Biology 2021.

In addition to our workshop sessions in **Developmental Vascular Biology & Genetics** and **Vascular Matrix Biology & Bioengineering**, we have some exciting Round Tables including:

- The Journey in Academia - Tips on Overcoming Challenges
- Programs and Strategies to Address Racism in Recruitment, Retention, and Reputation
- Career Development Forum
- Cell-Matrix Interactions in Vascular Remodeling
- Communications Workshop Part I: Injecting talks with broad impact and fun: TED talk style!
- Communications Workshop Part II: Open Mic Elevator Pitches with Live Feedback
- Challenges of Internationally Trained Scientists: Focuses on Cultural Gaps and Grant Writing
- Organ-Specific Vascular Development
- Women's Empowerment Roundtable: Identify challenges and find solutions to thrive during a global pandemic
- Congenital and Acquired Vascular Malformations
- and finally - How to Get More Involved with NAVBO!

**We also have two exciting sessions sponsored by our exhibitors:**

- Cell-Selective Nanotechnology for Photoacoustic Immunoimaging of Inflammatory Atherosclerotic Plaque - Sponsored by FujiFilm Visual Sonics, Inc.
- Deep Insights into the Vascular System of the Bone Marrow - Sponsored by Miltenyi Biotec

[See the full schedule on the web site](#)

[Register](#)

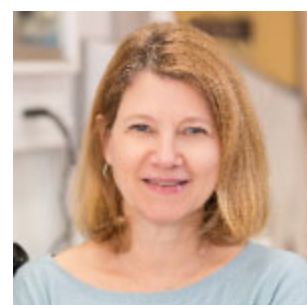
## Leaders' Lessons

The NAVBO Education Committee reached out to interview several senior members of the Vascular Biology community to get their thoughts on a variety of key questions regarding how they pursue their science and choices they have made along their paths to professional success. We will be providing regular installments of the diverse perspectives from different individuals to share how some of our Vascular Biology Leaders have learned some of their Lessons. This will be an ongoing series, and we hope to connect with more Leaders in the future!

In this issue, we asked Senior Scientists to respond to the questions:

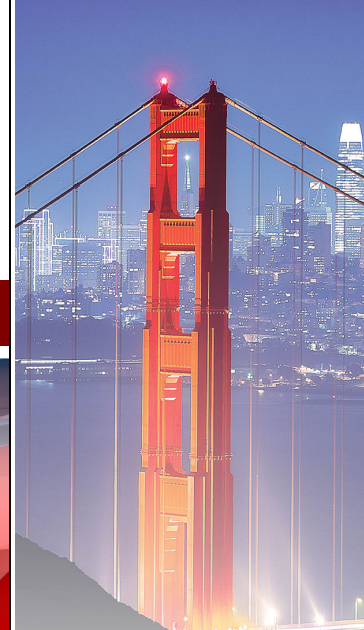
**Does a research career give second chances? Mid-career mentoring, transitions, reboot.**

Read their answers and more Leaders Lessons on [our website!](#)



*Dr. Patricia D'Amore, Senior Scientist, Schepens Eye Research Institute; Director, Howe Laboratory; Associate Chief for Ophthalmology Basic and Translational Research, Massachusetts Eye and Ear; Charles L. Schepens Professor of Ophthalmology, Harvard Medical School*

*Dr. Jan Kitajewski, Professor and Head of Department of Physiology and*



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



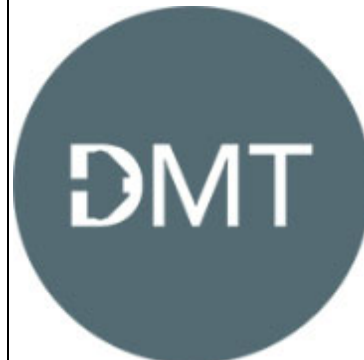
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Dr. Shulamit Levenberg, Ph.D., Professor and Former Dean, Biomedical Engineering Department, Director, Stem Cell and Tissue Engineering Laboratory; Technion, Israel Institute of Technology, Haifa, Israel

Dr. Joyce Bischoff, Ph.D., Professor of Surgery, Harvard Medical School; Research Associate, Surgery, Boston Children's Hospital; Principal Investigator, Surgery and Vascular Biology Program, Boston Children's Hospital



Dr. Victoria Bautch, Ph.D., Beverly Long Chapin Distinguished Professor, Department of Biology, University of North Carolina at Chapel Hill; Co-Director of McAllister Heart Institute

## Member News

### Welcome to our New Members:

Kathryn Citrin, Yale University  
Kyoko Hida, Hokkaido University  
Sam Honeycutt, UNC  
Minjung Kim, GIST  
Sangsung Kim, Yonsei University College of Medicine  
Cadence Lee, Ocean State Research Institute  
Flavia Neto de Jesus, University of Calgary  
Evelyn Popiel, University of Toronto  
Guyu Qin, Stanford University  
Sampath Rangasamy, TGen  
Sheila Sharma, OSRI and Brown University  
Jun Wang, University of British Columbia  
Maëlle Wirth, University of Montréal

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

## Spotlight on Trainees

### Think like an entrepreneur!

Writing in Inside Higher Ed, Ilana Horwitz counsels doctoral students to focus less on being a good student and more on acting like they are running their own business...as an entrepreneur of ideas. Pursuing a Ph.D., she argues, is fundamentally different than secondary or undergraduate education. As a Ph.D. student, the grades on your transcript do not determine your future. Instead, students are judged on their ability to create knowledge, a process requiring a completely different skill set. She recommends that students ascertain what topics or questions will have reach beyond their small academic niche, topics that address some unmet societal need. Her full slate of entrepreneurial exhortations can be found [here](#).

Originally published in our October 7 issue

## Recent Member Publications

### Ketone body $\beta$ -hydroxybutyrate is an autophagy-dependent vasodilator

JCI Insight

Autophagy has long been associated with longevity and it is well established that autophagy reverts and prevents vascular deterioration associated with aging and cardiovascular diseases. Currently, our understanding of how autophagy benefits the vasculature is centered on the premise that reduced autophagy leads to the accumulation of cellular debris resulting in inflammation and oxidative stress, which are then reversed by reconstitution or upregulation of autophagic activity. [Read more](#)

### Microvessels support engraftment and functionality of human islets and hESC-derived pancreatic progenitors in diabetes models



#### Cell Stem Cell

Islet transplantation is a promising treatment for type 1 diabetes (T1D), yet the low donor pool, poor islet engraftment, and life-long immunosuppression prevent it from becoming the standard of care. Human embryonic stem cell (hESC)-derived pancreatic cells could eliminate donor shortages, but interventions to improve graft survival are needed. [Read more](#)

#### Cell-based therapies for vascular regeneration: Past, present and future

##### Pharmacology & Therapeutics

Tissue vascularization remains one of the outstanding challenges in regenerative medicine. Beyond its role in circulating oxygen and nutrients, the vasculature is critical for organ development, function and homeostasis. Importantly, effective vascular regeneration is key in generating large 3D tissues for regenerative medicine applications to enable the survival of cells post-transplantation, organ growth, and integration into the host system. [Read more](#)

#### Primary Head and Neck Tumour-Derived Fibroblasts Promote Lymphangiogenesis in a Lymphatic Organotypic Co-culture Model

##### EBioMedicine

Background: In head and neck cancer, intratumour lymphatic density and tumour lymphangiogenesis have been correlated with lymphatic metastasis, making lymphangiogenesis a promising therapeutic target. However, inter-patient tumour heterogeneity makes it challenging to predict tumour progression and lymph node metastasis. [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

#### Praise for outgoing NIH Director Francis Collins

The Ad Hoc Group for Medical Research, a coalition of stakeholders that advocates for federal investment in biomedical, behavioral, social, and population-based research, [congratulates Dr. Collins](#) for his decade+ of successful leadership of the NIH. The Ad Hoc Group cites Dr. Collins's work overseeing the human genome project, NIH's driving of interdisciplinary research on pressing public health issues, cancer, Alzheimer's disease, and more. Moreover, his tenure as NIH director will be remembered for its support of the next generation of scientists, promotion of a diverse and inclusive workforce, and inspiring bright minds to pursue careers in medical research.

#### Tips for neural peer review verbiage

As both recipients and generators of manuscript critiques, scientists are aware that more work is needed to ensure that peer review is as inclusive and reflective of the scientific community as possible. Writing in [Trends in Cognitive Sciences](#), Parsons and Baglini of Aarhus University posit that fairness and objectivity of reviews can be compromised by the overuse of "nonneutral language." Their tips: Be Objective, Don't Center the Reviewer, and Never Assume. The authors aim to ensure that reviews will help improve scholarship by reviewers' use of concrete, tangible advice expressed in neutral language.

#### AAMC offers workshop on bystander intervention

The American Association of Medical Colleges announces an online workshop to be held Oct. 14 on overcoming barriers faced by bystanders in responding to microaggressions. Research on microaggressions and bias has shown to have significant negative impacts on individual confidence, physical health, and overall wellbeing. Participants will learn organizational strategies for implementing bystander intervention and allyship programs within departments, centers, and institutes and at the institutional level. Register [here](#).

*Originally published in our October 7 issue*

## Call for Papers

# Microcirculation

The Official Journal of the Microcirculatory Society, Inc., the British Microcirculation Society, the Australia & New Zealand Microcirculation Society, and the Japanese Society for Microcirculation

## Lymphatic Pathophysiology

The journal *Microcirculation* is pleased to announce that it will be publishing a Special Topics Issue on "Lymphatic Pathophysiology" to feature the emerging role of lymphatics in the progression in disease states. This Special Issue represents a collaborative interest between the Microcirculatory Society, North American Vascular Biology Organization, Lymphatic Education & Research Network, and the organizers of the 2021 Lymphatic Forum. The issues will be edited by Dr. Jerome Breslin (University of South Florida), Dr. Sanjukta Chakraborty (Texas A&M University Health Science Center), Dr. Jorge Castorena-Gonzalez (Tulane

University), Dr. Joseph Rutkowski (Texas A&M University), and Dr. Brandon Dixon (Georgia Institute of Technology).

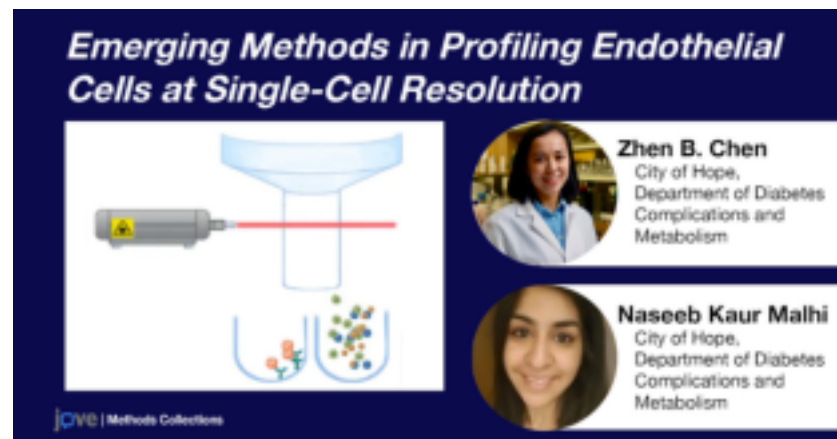
The intent of the special issue is to highlight the emergent multi-functional role of the lymphatic vasculature, its relationships with inflammation, and the intersecting contributions to altered tissue haemostasis during pathophysiology. Articles can focus on aspects of lymphatic contractile function, lymph transport and/or lymphangiogenesis that play key roles in multiple diseases.

Focused reviews and original research articles will be considered for this special issue. Submissions using novel models or imaging techniques to determine some of these key alterations are especially encouraged. Articles should be 3000-5000 words including figure legends (references excluded). Following peer-review, all papers will be published 'In Press' as soon as they are accepted and in the online special issue.

Please inform both Jerome Breslin ([breslin@usf.edu](mailto:breslin@usf.edu)) and Sanjukta Chakraborty ([schakraborty@tamu.edu](mailto:schakraborty@tamu.edu)) of your intent to contribute, and provide a tentative title.

Deadline for intent to submit: November 1, 2021

Deadline for submission: March 1, 2022



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](#).



### Extracellular Vesicles in Cardiovascular Inflammation and Calcification

Topic Editors: Jona Benjamin Krohn, Elena Aikawa, Masanori Aikawa, Susmita Sahoo, Joshua D Hutcheson and Jason E. Fish

Submission Deadline: 12/31/2021

**This research topic is sponsored by NAVBO**

[Visit the site for more information](#)

### Calendar of Events

October 25 - 29, 2021 [Vascular Biology 2021](#)

October 24 - 27, 2021 [ISA 2021](#)

October 28 & 29, 2021 [International Scientific Meeting for PIK3CA Related Conditions](#)

November 1 - 4, 2021 [36th Annual Critical Issues in Tumor Microenvironment: Angiogenesis, Metastasis and Immunology](#)

November 2, 2021 [Earl P. Benditt Award Lecture](#)

November 4, 2021 [Yet to Be Charted: Mapping the Lymphatic System Across Body Scales and Expertise Domains](#)

November 4, 2021 [Judah M. Folkman Award Lecture](#)

November 9, 2021 [NAVBO Symposium: Lipid Handling the Endothelium](#)

November 18, 2021 **Webinar featuring George Davis:** Defining the key growth factor-dependent signaling and extracellular matrix remodeling events necessary for capillary network assembly and maturation

December 2, 2021 **Webinar Featuring Rui Benedito:** Understanding angiogenesis through multispectral genetic mosaics



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Call for Editor-in-Chief Applications

## Job Postings

Job Title	Company	Location
<a href="#">Postdoctoral Researchers at Duke University</a>	Duke University	Durham, NC
<a href="#">Postdoctoral Position in Signal Transduction and Transcriptional Regulation at UCLA</a>	UCLA Immunogenetics Center	Los Angeles, CA
<a href="#">Postdoctoral fellow</a>	Schepens Eye Research Inst/Harvard Med School	Boston, MA
<a href="#">Postdoctoral Researcher</a>	University of Pennsylvania	Philadelphia, PA

### North American Vascular Biology Organization

18501 Kingshill Road | Germantown, MD 20874  
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