

October 7, 2021



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## Attend the 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.

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.  
[Plan to join us!](#)



### 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 in to the Member Portal, choose the

event and register.

Dr. Fernández-Hernando'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.

[Plan to join us!](#)

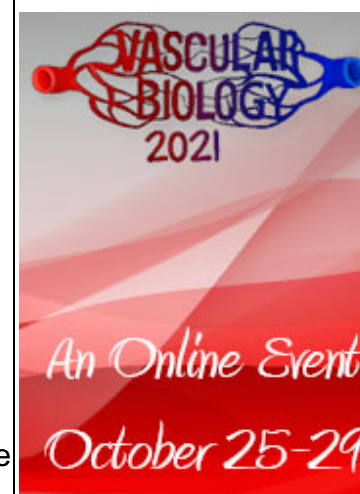
### In this issue...

- Benditt Lecture
- Folkman Lecture
- VB2021
- Leaders' Lessons
- Member News
- Spotlight on Trainees
- Member Publications
- Industry News
- Call for Abstracts/Papers
- Calendar of Events
- Job Postings

### Meetings/Events



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



**Register Now!**

## Vascular Biology 2021



### Several new sessions have been added

- Congenital and Acquired Vascular Malformations
- Organ-Specific Vascular Development
- Women's Empowerment Roundtable: Identify Challenges and Find Solutions to Strive During a Global Pandemic
- Cell-Selective Nanotechnology for Photoacoustic
- Immunoimaging of Inflammatory Atherosclerotic Plaque
- How to Get More Involved with NAVBO

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 300 colleagues at **Vascular Biology 2021**.



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.**

*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*

I think so. I think there would be second chances because (1) NIH has a couple of granting mechanisms to do that and (2) if works if you find a mentor to help you with a career or research change like that. I think it's good to identify an academic mentor as well as a research mentor who you can work with—someone who can start to launch you in that particular research area. If I was, for instance, wanting to start doing yeast genetics, I would do a sabbatical or at the very least find a collaboration with an expert in that area. It is possible to then share a postdoc, or something along those lines, so that you can get relaunched into a new research area. I definitely think it is possible and that it all depends on the level of enthusiasm of the individual. I think the person has to be OK with starting over; psychologically it requires a lot of introspection before somebody undertakes that type of transition. However, I definitely think it is possible.

*Dr. Jan Kitajewski, Professor and Head of Department of Physiology and Biophysics, College of Medicine at Chicago; Director, University of Illinois Cancer Center*

I think it is almost essential to think of second chances, because I have moved into a lot of different research areas and different leadership roles in my career. In my experience, not just for me but also in interacting with other folks, thinking about alternate careers or focus at the mid or even senior level is an important component of growth and may be standard operating procedure. Rather than saying "is there a second chance?", I might say that it is important to always consider that you need to be open to different techniques, different career options, and different directions. Otherwise, staying stagnant is a risky proposition. My answer is "yes", but once again, you have to have a lot of care and thought in making decisions about doing something different. I think it is important for everybody to be able to consider that they may segue, for instance, from a research to an administrative position or from research to a law or a policy position. Or their research is winding down, for some reason, but there may be an opportunity to collaborate with somebody on a different project in a very different way. That may not feel comfortable at the beginning, but might give someone an opportunity to reboot a research program that they never had anticipated before. I think that being able to look at different options for science and mentoring and career is a pretty important component of how you do business, from my perspective.

*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*

Definitely. It is important to have internal grants that you can apply to that are different than the regular grants where you need lots of preliminary results. These type of transition grants can give people the opportunity to go into new research directions and collaborations. I think that encouraging people to explore different research topics is important and makes research more dynamic. Depending on what Institute you are at, it can make a difference in how supportive the Institute is in helping scientists transition. The internal awards at our institution, for example, allow you to take a risk.

*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*

I think you can definitely have second chances, certainly in terms of a reboot in new directions or new projects. As you develop a certain expertise and reputation in your area of study, especially at a large medical complex in my case, some people may come to you for collaborations or want your input. These collaborations may lead you to embark on a new project, which is a way to reboot and find an exciting new area to study. In terms of a whole shift, such



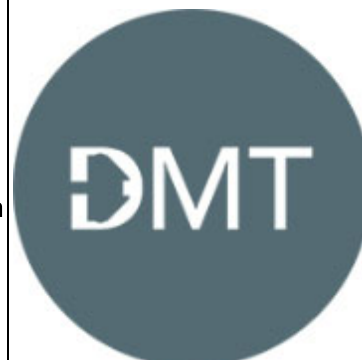
22nd International  
Vascular Biology Meeting  
San Francisco Bay Area  
October 13-17, 2022



### Webinar Series



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as going to industry or policy, I haven't had any experience with that type of situation.

*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*

Yes, and the reason is because I went through one. As I finished my postdoc at Cold Spring Harbor Labs, most of what I had done and published was looking at effects of over-expressing viral oncogenes, making and analyzing tumors in mice. When I started my lab, I had some limited background in mouse development. I was working on some cancer and some developmental projects, and I went along doing this for about 6 years (until I got tenure). We were funded and publishing papers, but they weren't having a huge impact. I couldn't think of anything really interesting to do with the cancer projects, and the field was crowded. The cancer angle wasn't piquing my interest anymore. However, I loved developmental biology. I submitted a paper to a developmental journal, but to my surprise they rejected it. I realized that I didn't have a brand that people recognized. So, I started rebranding myself as a developmental vascular biologist. I began by doing a sabbatical at Mill Hill in London with the legendary Rosa Beddington. I got more visibility in the developmental biology field by going to Rosa's lab, and when I came back, I retooled my lab to focus on vascular developmental biology. Early in my career, I didn't realize how important it was for the outside world to be able to identify you with a subfield. My advice: follow your passion, but be strategic and think about when and how to reboot!

[Read more lessons from leaders on our website!](#)

## Member News

### Welcome to our New Members:

Suchit Ahuja, University of Calgary  
Suhaas Anbazhakan, Stanford University  
Gamze Bulut, VCU  
Nuria Coll-Bonfill, Saint Louis University  
Janet Faakye, University of Oklahoma Health Sciences Center  
Carson Hoffmann, Emory University  
Peter Luo, UT Southwestern  
Yelitza Rodriguez-Rodriguez, University of South Alabama

*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](#).

## Recent Member Publications

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



VB2021 Exhibitors



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Cardiovascular Pathology



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](#).

## 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

**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](#).



**frontiers**

Impact Factor 6.050

in Cardiovascular  
Medicine

### 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

[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](#)



## 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 fellowship position to study mouse models of lymphedema</a>	de Duve Institute, Université catholique de Louvain	Brussels, Brussels Capital, Belgium
<a href="#">Post-Doctoral Fellow or Research Scientist</a>	Brigham and Women's Hospital/Harvard Medical School	Boston, MA
<a href="#">Postdoctoral Researcher at UCLA</a>	UCLA	Los Angeles, CA

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