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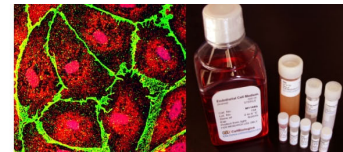


NewsBEAT

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Today's Webinar



Join us today, August 12, 2021 at 1:00PM ET for our webinar "*Elucidating the mechanisms underlying maternal vascular adaptation to pregnancy*" with **Dr. Ramon Lorca**, of University of Colorado Anschutz Medical Campus. [For more information, visit our website!](#)

[Register](#)

Meet Our New Councilor



Elisa Boscolo

Dr. Elisa Boscolo is an Assistant Professor in Pediatrics at the Cincinnati Children's Hospital, since 2014. She obtained her BS in Molecular Biology and PhD in Tissue Engineering at the University of Padova, in Italy. She moved to the US in 2006, to train as Postdoctoral fellow in Dr. Joyce Bischoff's laboratory at the Boston Children's Hospital, Harvard Medical School. There she became passionate about vascular anomalies and

committed to the field by discovering the presence of stem cells in infantile hemangioma and by contributing to the generation of a murine model of the disease.

Dr. Boscolo current research goal is to elucidate the molecular mechanisms underlying vascular anomalies development and expansion to enable the generation of faithful murine models. To date Dr. Boscolo's laboratory has generated murine models of venous malformation, capillary lymphatic venous malformation, and GNAQ-related vascular tumors. Furthermore, some of her basic science discoveries have been translated from bench to bedside, into efficacious and safe targeted clinical treatment with the mTOR inhibitor Sirolimus in patients affected by venous malformation, as reported in the Journal of Clinical Investigation in 2015. Dr. Boscolo's research program relies on the use of patient-derived biopsies to isolate and characterize vascular cells to determine activated signaling pathways and test targeted treatments. She hopes her studies will pave the road for the identification of new targets and treatments that can promote vessel stabilization and normalization.

Dr. Boscolo joined NAVBO in 2008. NAVBO has been crucial to help her establish connections, collaborations, and friendships with colleagues in the Vascular Biology community. She is honored to be a NAVBO Council Member. As such, she is deeply committed to promote the dissemination of scientific knowledge in the field of Vascular Biology by facilitating interactions between young and senior scientists with common and complementary expertise.

For more information, [please visit Dr. Boscolo's lab website](#)

Vascular Biology 2021

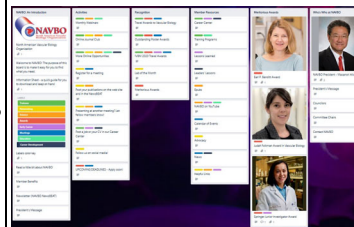
Important Update

There are some recent developments concerning Vascular Biology 2021. The NAVBO leadership met to consider whether it was prudent to continue with the plans for the in-person meeting. After considering the resurgence of the pandemic and the reinstated travel bans by various academic institutions, the NAVBO Council voted to convert the meeting to a completely virtual event. We regret not being able to host an in-person meeting as we had

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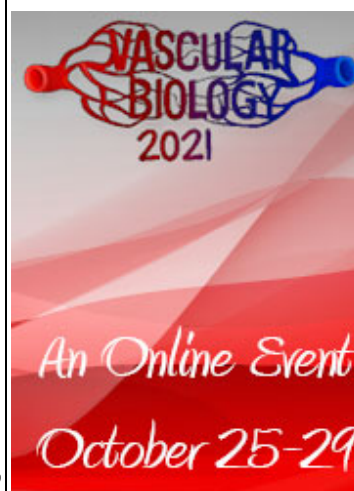
NAVBO Quick Overview



Meetings/Events



Webinars - 1st Thursday
Focus Sessions - 2nd and 4th Thursdays
Journal Clubs - 3rd Thursdays
Special Sessions on Tuesdays ([check schedule](#))
 Download the NAVBO Events App from the App stores



Register Now!

planned, but the safety and health of our members and meeting attendees is a primary consideration. The meeting, in a virtual format, will be held from Monday, October 25 through Friday, October 29.

Those that have already registered and/or submitted an abstract will receive an email from Bernadette Englert addressing any issues and concerns resulting from the change in meeting format. Note that we are still accepting abstracts for ePoster presentations, which include real-time poster presentations at dates and times to be announced.

Thank you for understanding this decision, and we hope to see you online at Vascular Biology 2021!

Submit an Abstract for ePoster Presentation

Register for the meeting by September 15 to save \$\$.
[Find out more on our web site.](#)

[Register](#)

The Vascular Network

Join NAVBO Communities

NAVBO has launched a new community site that we call [The Vascular Network](#). A network of communities, designed by and for you, serves as a dynamic virtual vascular biology research environment that aims to facilitate your research needs. This network is a means of communicating with the entire NAVBO community simply by sending an email (or posting on the Network web site). It is also a site where you can share documents and other files in community libraries or write a blog. The Open Forum Community will link all NAVBO members. Other communities will be based on members' research interests, career level, attendance at a meeting or a group with which you identify.

Join one of these communities:

New Member
OMICS
Organ-Specific Vasculature

Online Career Development

Career Development Forum: Academic and Faculty Careers (Part One)

Join us for the launch of our new series: **Career Development Forum**. Our inaugural broadcast will feature a discussion about Academic/Faculty Careers with presentations by our panelists: Kathleen Caron, University of North Carolina; Anjelica Gonzalez, Yale University; Patrick A. Murphy, University of Connecticut, and Vinicio de Jesus Perez, Stanford University. Panelists will then answer your pre submitted questions, so be sure to send your questions to CareerForum@navbo.org.

[Click here to register for this Session!](#)

Please help us develop future panels by [taking our survey](#)

Career Month at NAVBO continues with our September Journal Club featuring the paper entitled "Ten Simple Rules to Becoming a Principal Investigator." Dr. Mary Wallingford from Tufts Medical Center and Dr. Xiaolei Liu from Northwestern University will discuss the paper and share their perspectives on the transition to becoming a PI, succeeding in academia, and building a new lab, especially as women scientists. This Journal Club will be moderated by Dr. Ke Yuan from Harvard Medical School and Dr. William Hughes from Medical College of Wisconsin.

[Here is a link to the paper being discussed](#)

NEW Online Workshop!!

Mapping Knowledge about Human Vasculature Across Body Scales

Join us Tuesday, August 31 from 1:00pm to 2:30pmET

AGENDA

Ondine Cleaver, UT Southwestern University:

The challenge of managing scientific knowledge about the organotypic vasculature

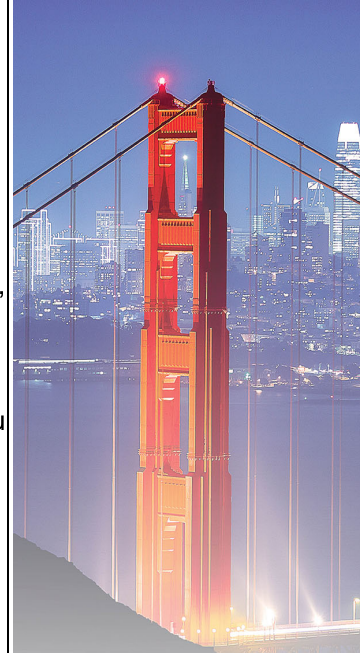
Zorina Galis, NHLBI/NIH:

From Mapping the Vasculome to Mapping the Human Body. And Back!

Griffin Weber, Harvard Medical School:

Creating a map of the human blood vasculature: anatomical level and beyond

Discussion



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



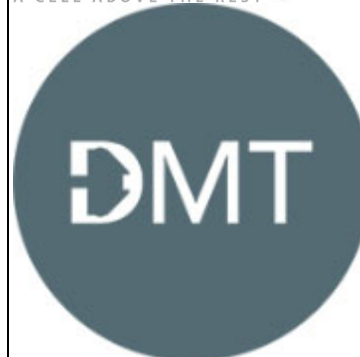
Webinar Series



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In this exciting session we want to explore new scientific and technological opportunities that allow overcoming the traditional challenge of systematically organizing knowledge of vasculature identity, diversity of structure and function, and its coordination and interactions with all body tissues and organs.

We will share the progress in mapping the vasculature at the anatomical level and in organizing knowledge about a number of human tissues and organs at single cell level through the Anatomical Structures Cell Types and biomarkers (ASCT+B) effort championed by the NIH Common Fund Human BioMolecular Program (NIH HuBMAP), for which NHLBI is a leading institute. All the tools and data generated, including tissue mapping information, are available to the entire scientific community through the HuBMAP Data Portal, encouraging wide scientific interrogation and collaborations.

Do you know what is still missing from the maps of all these human organs??? The organotypic vasculature! Can you imagine a kidney, a heart, or any other organ without a vasculature? NAVBO is calling upon all vascular experts! Would you like to learn how YOU can help?

[Register](#)

Travel Awards Available for Trainees



4TH ANNUAL MEETING
Gulf Coast Vascular Research Consortium
Travel Awards sponsored by NAVBO



Clinical and Basic Science Poster Awards

Highlighting Vascular Disease And Remodeling



SHREVEPORT CONVENTION CENTER
September 24th & 25th, 2021

Abstract Deadline August 20, 2021
Registration Deadline September 3, 2021
Website <http://lsuhsc.edu/gvrc>

TENTATIVE SCHEDULE

September 24th

9 AM – 12 PM Scientific Session I

1:30 PM – 5 PM Scientific Session II

5 PM – 7 PM Poster Session

September 25th

9 AM – 12 PM Scientific Session III



Upcoming Journal Club

The August 19 Journal Club at 1:00pm will be presented by **Dr. Alexandra Newman** from New York University. She will present Dr. Peter Carmeliet's article, "Endothelial cell plasticity at the single-cell level" originally published in *Angiogenesis*.

[Here is the link to the paper being discussed](#)

This Journal Club will be moderated by Dr. Ke Yuan from Harvard Medical School.

[Register for the August Journal Club here.](#)

Upcoming Symposia



DEPARTMENT OF BIOENGINEERING
UNIVERSITY of WASHINGTON

frontiers
in Cardiovascular
Medicine

VB21 Guest Societies



Affiliated Journals



Cardiovascular Pathology

frontiers
in Cardiovascular
Medicine

Tuesday August 17th 2021 at 11:00 a.m. ET

“Shaping Cell Behaviour”



Dr. Katie Bentley
Group Leader, Francis Crick Institute and
Senior Lecturer, King’s College London
“Filopodia Speed Up Notch Patterning
and Tip Cell Selection”



Dr. Victoria Bautch
Beverly Long Chapin Distinguished
Professor of Biology, UNC Chapel Hill
“Endothelial Cells: Shape-Changers of the
Vasculature



Dr. Claudio Franco
Group Leader, Universidade de Lisboa
“The Different Shapes of Tip Cells”

*Organized by Dr. Katie Bentley
Supported by the NAVBO Online Programming Committee*

Tuesday September 21st 2021, 1:00 pm ET

“Partial EndMT in Cardiovascular Disease”



Dr. Joyce Bischoff
Harvard Medical School



Dr. Chris Hughes
University of California, Irvine



Dr. Geoffrey Pickering
Robarts Research Institute, Western University



Dr. Marie-Jose Goumans
Leiden University Medical Center



Dr. Hanjoong Jo
Emory University

*Organized by Dr. Joyce Bischoff, Harvard Medical School
Supported by the NAVBO Online Programming Committee*



Register Online:
<https://navbo.ungerboeck.com/prod/emc00/register.aspx?OrgCode=10&EvtID=5215&AppCode=REG&CC=121072203651>

Click on the images above for more information and to register.

Online Symposia and Focus Sessions are Sponsored by the NAVBO Online Program Committee

Upcoming Webinars



On September 7, 2021 at 1:00PM ET, **Dr. Garth Graham**, Director and Global Head of Healthcare and Public Health Partnerships at YouTube and Google Health, will present a webinar for the NAVBO Diversity, Inclusion and Equity Committee. [Visit our website for more information and to register!](#)

Look for more webinars and [bookmark this page on our web site](#) for more exciting 2021 webinars.

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: **How to say no professionally?**

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

The real key is to be honest, especially when I am asked to give talks. I generally tell people that I would love to do it, but I really only travel just once a month since my plate is very full. In general, I would be happy to consider that at another time in the future. When I get those inquiries asking if I want to be a special editor, I just say I'm fully committed...which is really true! If it is something I would really like to do (but I can't just because I think I'm pushing myself over the edge,) then I say I can't do it right now, but I wouldn't mind considering it in the future. I will then generally suggest a colleague that might be a good fit. If I am doing committee work for which either I'm not qualified or I don't see that I'm adding much to the effort, then I will be honest and ask to be removed. I definitely say "yes" to things where I think I can make the biggest difference. I would suggest that the number one criterion is to determine if you can actually have an impact before you agree to do something. The second criteria to consider is whether or not that activity is going to help your career. Especially in universities where there are not a lot of women faculty and scientists, you can get asked to be on every committee on earth, and at some point, you just have to say "no" or you will lose your mind. Another thing to consider if you decide that something is really important is what else you can give up to make time. For example, if you have been asked to serve on an important national or international committee that you are passionate about, identify a service area that you have already been on for 3 years or so and request that the chair move you off the committee.

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

I am terrible at that! I have said "yes, yes, yes"! For me it happened a little bit differently because I engaged in a lot of activities to help my host institution, originally at Columbia University and now at UIC. I have a tendency to say "yes", but I have an eye to whether I am really helpful and efficient and useful in that capacity. If I'm not, then I try to realize that and remove myself from that activity. My advice is that if something is clearly outside of your skillsets and that you are uncomfortable in doing it, definitely be honest and say "no". I have had occasions where I have done that. But if you are saying "yes" to a lot of activities, be conscious that you gauge how well you are doing with all those activities. If you are doing well and you can manage it, then it's a good activity to do for your institution. If you are not doing well and you are not managing it well, then you may want to reconsider and try to extricate yourself. I am not sure if that's the perfect advice, but that has been my experience when I have said "yes" on some occasions and then removed myself because it wasn't the right fit for me.

Robert Mecham, Alumni Endowed Professor of Cell Biology and Physiology, Professor of Medicine, Pediatrics and Bioengineering, Washington School of Medicine in St. Louis

When requested to do something that, for whatever reason, you don't want to do, I think learning to say no is one of the most important things that young scientists can learn. I don't think it's as difficult as it seems. Everybody, especially the new people in the department or even in the laboratory, feels like they have to say "yes" to everything because they want to be good members of the community. I think most chairs and committee people who are asking you to serve on these committees won't be offended if you say no. I think we all understand that we're asking a lot of people to be on committees, especially since none of us wanted to be professional committee members. But that's where we end up sometimes, especially as you move up the academic ladder as there are more and more requests for your time. Here is what I would recommend people do. Ask the first question, do I have anything to contribute to the committee? I have been on many committees where I've just kind of sat there and watched the clock waiting for it to be over and not having anything to offer. The next question is will I benefit from my interactions with other members on the committee? Part of that is not only do I have something to contribute, but are there people on this committee that I might want to interact with later on professionally? Service on a small committee is a good way to get to know people and have them get to know you. The final question is will this be a long-term commitment? This is where a lot of people get in trouble. I think they sign up for a committee, such as the animal care committee that meets quite often, and the commitment never seems to end. Those are the kinds of committees that I think young people, in particular, need to be careful about. Now you do have to be a good citizen...it's important for advancement and for tenure. Another thing I would recommend for somebody who's been asked to serve on a committee they're not sure about is to talk with somebody else in the Department about whether they should do it or not. Perhaps connecting with somebody who's been on the committee is a good way to find out what that committee is all about and go from there.

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 don't go into a lot of detail. I just say thank you for the invitation, but I have prior commitments. For example, it is an honor to be asked to review for study section, so I would say in my reply that it's an honor to be considered, but I can't accept because of prior commitments. I don't think you have to explain your commitments.

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

I think the best way to say no professionally is to get back to the person and say I just can't do this right now because of other commitments, but offer to help in the future. For instance, if I don't have time to review a paper, I say I really can't do it right now, but if you need my services in the future, I'm happy to try to help out. It's hard because it takes more time than either ignoring the request or being kind of rude and saying you know, "I just can't do it," but it makes me feel better about declining.

Member News

Welcome to our New Members:

Chetan Ahire, University of Oklahoma Health Sciences Center

Zhainib Amir, Stanford University

Anthony Anzell, University of Pittsburgh

Zachary Burger, Johns Hopkins University School of Medicine

Gaetano D'Amato, Stanford University

Liya Du, University of South Carolina

Sean Escopete, Cedars-Sinai

Andreia Goncalves, University of Michigan

Anahita Mojiri, Houston Methodist Research Institute

Benjamin O'Donnell, University of California Irvine

Randolph Watnick, Boston Children's Hospital/Harvard Medical School

Darian Williams, Emory University

Jun Kai Yeong, Tufts Medical Center

Meng Zou, UNC-CH

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

Recent Member Publications

Imaging the construction of capillary networks in the neonatal mouse brain

PNAS

The distribution of blood throughout the brain is facilitated by highly interconnected capillary networks. However, the steps involved in the construction of these networks has remained unclear. We used in vivo two-photon imaging through noninvasive cranial windows to study the engineering of capillary networks in the cerebral cortex of mouse neonates. [Read more](#)

A Proteinase 3 Contribution to Juvenile Idiopathic Arthritis-Associated Cartilage Damage

Pathophysiology

A full understanding of the molecular mechanisms implicated in the etiopathogenesis of juvenile idiopathic arthritis (JIA) is lacking. A critical role for leukocyte proteolytic activity (e.g., elastase and cathepsin G) has been proposed. [Read more](#)

Proteinase 3 contributes to endothelial dysfunction in an experimental model of sepsis

Experimental Biology and Medicine

In sepsis-induced inflammation, polymorphonuclear neutrophils (PMNs) contribute to vascular dysfunction. The serine proteases proteinase 3 (PR3) and human leukocyte elastase (HLE) are abundant in PMNs and are released upon degranulation. While HLE's role in inflammation-induced endothelial dysfunction is well studied, PR3's role is largely uninvestigated. [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.*

Call for Abstracts - JoVE

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

August 12, 2021	Elucidating the Mechanisms Underlying Maternal Vascular Adaptation to Pregnancy
August 17, 2021	NAVBO Symposium: Shaping Cell Behavior
August 31, 2021	NAVBO Workshop: Mapping Knowledge about Human Vasculature Across Body Scales
September 21, 2021	NAVBO Symposium: Partial EndMT in Cardiovascular Disease
September 24 - 25, 2021	4th Annual Gulf Coast Vascular Research Consortium
October 2 - 3, 2021	LGDA/LMI International Conference on Complex Lymphatic Anomalies
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

Job Postings

Job Title	Company	Location
Postdoc position in lymphatic vasculature research	Northwestern University	Chicago, IL
Postdoctoral Fellow	Rutgers University	Newark, NJ
Postdoctoral Associate	Rutgers University	Newark, NJ
Postdoctoral Fellow	University of Washington	Seattle, WA
Postdoctoral Positions in Metabolism, Angiogenesis and Muscle Regeneration	UTHealth McGovern Medical School	Houston, TX
Postdoctoral Fellow in Vascular Biology	University of Colorado Anschutz Medical Campus	Aurora, CO

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