

Now indexed by Directory of Open Access Journals!
JVS-Vascular Science
 An Official Society for Vascular Surgery® Journal



Read Now!



NewsBEAT

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



CellBiologics
 A CELL ABOVE THE REST
Endothelial Cells Human & Mouse
 www.cellbiologics.com 1.312.226.8198 service@cellbiologics.com

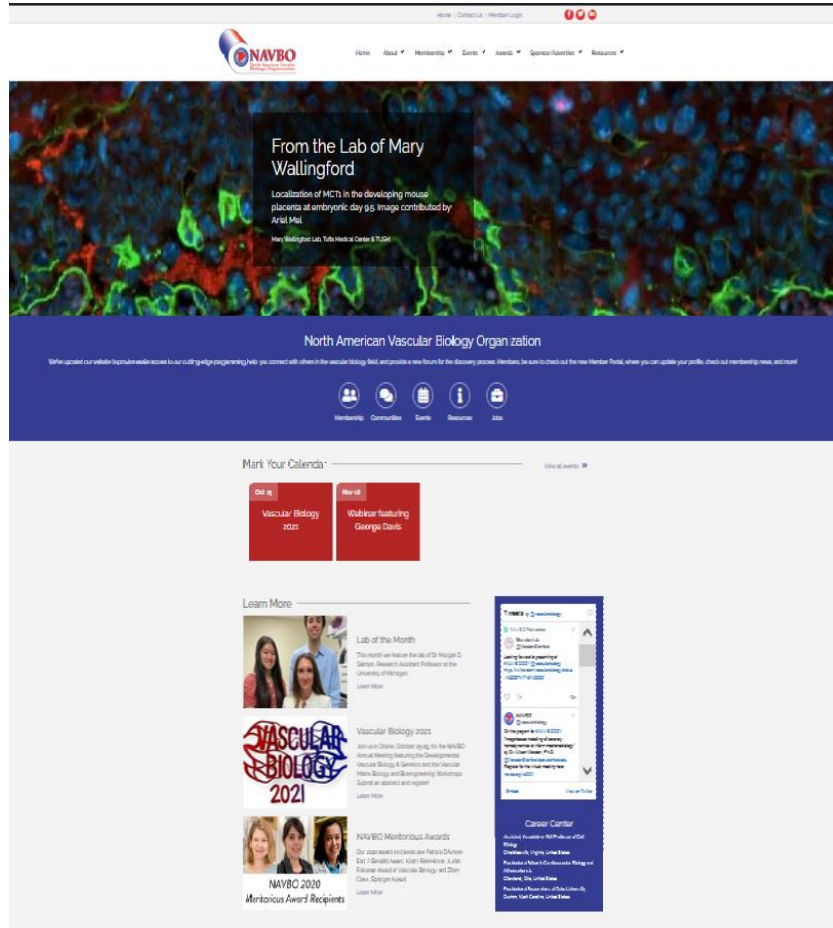


New Format for NewsBEAT

You may notice a change in this issue. We have removed the individual promotions for each of our online events. Promoting these events is of course important, however, a lot of space in our NewsBEAT was dedicated to this task and other important stories were getting missed. With today's issue, all of our online events will be in the **Calendar of Events** listing at the bottom of the newsletter. We will continue to send targeted emails to you about upcoming online events as well as posting some reminders in the Vascular Network. You will continue to see information about conferences, such as Vasculata, Vascular Biology and the IVBM in the newsletter. We hope you appreciate this change.

New NAVBO Web Site

Here's a sneak peek:



Our new web site will be ready for prime time soon!

- More attractive, sleeker design
- Better and easier navigation
- Quick links to events, member benefits, resources, jobs, our new communities and other resources
- Easier member login, registration and renewal
- New single sign-on to NAVBO's Career Center and the Vascular Network
- Interactive Calendar
- NEW Member Portal gives you easy and clear access to:
 - Update your profile
 - Renew your membership
 - Search the directory of members

I look forward to your feedback!

Career Development Forum

Our inaugural **Career Development Forum - Part One: Academic and Faculty Careers** was a huge success! Special thanks to 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.

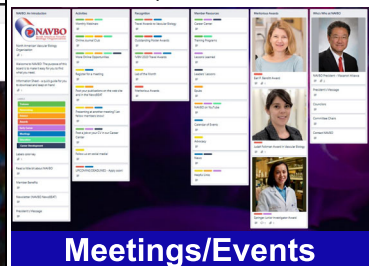
Part Two will feature Luisa Iruela-Arispe, Northwestern University, and will take place in January 2022. These events will be held quarterly.

Career Month at NAVBO continues with our September Journal Club featuring the paper entitled **"Ten Simple Rules to Becoming**

In this issue...

- [New Web Site](#)
- [Career Development Forum](#)
- [VB2021](#)
- [NAVBO Communities](#)
- [Lessons Learned](#)
- [Lab of the Month](#)
- [Member News](#)
- [Spotlight on Trainees](#)
- [Member Publications](#)
- [Industry News](#)
- [Call for Abstracts - JoVE](#)
- [Calendar of Events](#)
- [Job Postings](#)

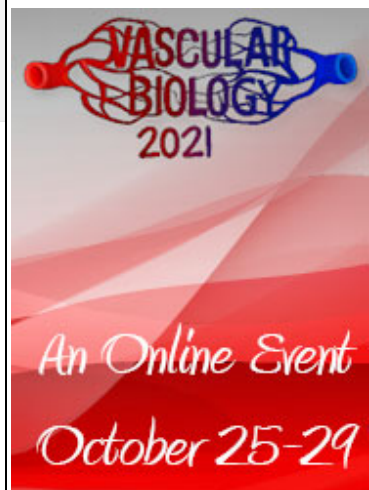
NAVBO Quick Overview



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!

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](#)

Vascular Biology 2021

ePoster Abstracts Due Tomorrow!

As you know, **Vascular Biology 2021** is now fully virtual and will be held from Monday, October 25 to Friday, October 29.

We have a core program filled with excellent and exciting speakers that will be the mainstay of the program; these sessions will be held from roughly 11amET to 4:30pmET. New interactive sessions are in development and the final schedule will be available soon.

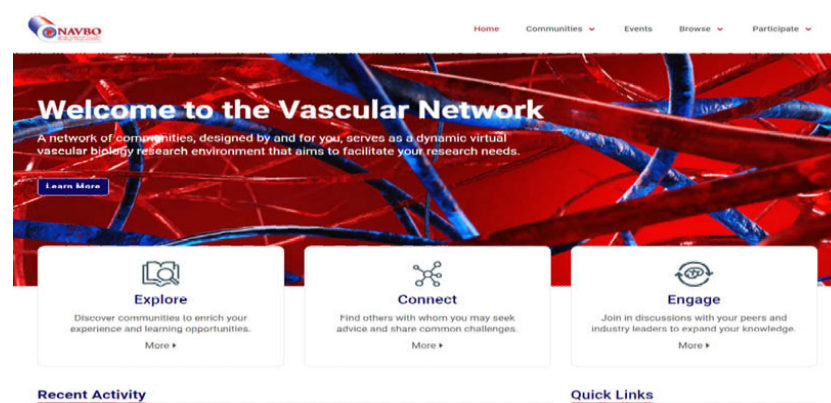
Continue to watch the web site for updates
<https://www.navbo.org/vb2021>.

Submit an Abstract for ePoster Presentation Due
 September 10

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

Register

The Vascular Network



In Your Community

Be sure to connect with [The Vascular Network](#) - NAVBO's network of communities, designed by and for you, which serves as a dynamic virtual vascular biology research environment that aims to facilitate your research needs.

A recent post in the "OMICS" community was by a member searching for single cell data sets. Another member provided a robust list. This is what our community is meant to do - so take advantage of the talented pool of NAVBO members and of course offer your help as well.

Join one of these communities:

New Member
 OMICS
 Organ-Specific Vasculature
[Suggest a new community](#)

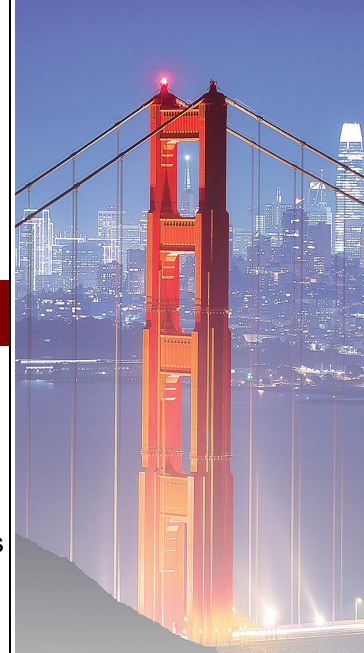
Lessons Learned



Morgan Salmon

For most scientists, there are defining moments throughout our careers that drive our passion, intellectual drive, and keep us motivated and continuing to pursue such a difficult, life-consuming career. For some, it is that paper in a top-tier journal or that major grant that really sets the stage for career advancement and success. For myself, my defining moments have centered around meeting key people that have influenced the course of my career by driving my love for science and

the scientific process. I can still remember 20 years later rotating in the lab of my doctoral mentor and just falling in love with science and the scientific process. It was everything from systematically trouble-shooting laboratory issues, her demonstration of a technique I had never performed before, to having coffee in the afternoons with the lab and discussing projects. There is no question to me that she was a pivotal person in my career because she helped me to fall in love with science and the scientific process. I think it's important to first remember as scientists that we do research because we love science-- the process of science, the working through issues, and the small successes-- they all make



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



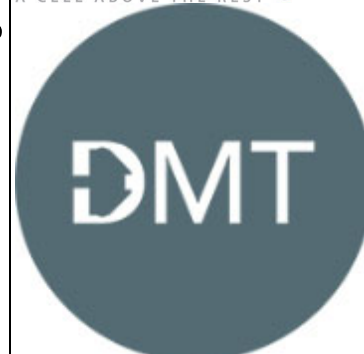
Webinar Series



Corporate Partners



Quantifying Cell Behavior



VISUALSONICS



Corporate Members



VB2021 Supporters



up the whole of what makes science truly amazing, difficult, but yet one of the most fulfilling things a person could do. There have been times throughout my career that I struggle with that love, but remembering my mentor and her influence definitely helps me to keep my eyes on the prize so to speak.

A second key lesson from her that I try to remember is that part of my job as I move through academic research is that I want to influence younger scientists to be as passionate about science as I am. Like most high school students who loved science growing up, I had originally imagined being a medical doctor. I had no idea, for various reasons, that a career in science was actually better suited for my thought processes and personality. It's easy to forget in the whole pandemonium of academic science, the grants, papers, meetings, and conferences, that one of the most important things we do as scientists is to motivate and inspire younger scientists to be better than ourselves. I have been an Assistant Professor first in the Department of Surgery at the University of Virginia and now at the University of Michigan in the Department of Cardiac Surgery, and one of the most important tasks I do daily is mentoring the next generation of researchers. I feel that it is important, especially given the easy access scientists have now to technology, that we continue to teach how to critically think and work through a given scientific problem to find a solution. Now that solution might not be the one we ideally envisioned, but as a young scientist it is important to be able to think through the next steps in the process or troubleshoot to come up with a viable solution given failure. Critical thinking is not a process that can come from technology, and it was something my various mentors helped me to develop over years of research. That is why I believe it is important to promote mentorship at all stages of academic development. I know even as an Assistant Professor, I still need great mentors to help me as I begin to develop my new laboratory at the University of Michigan. In exchange, I feel it is important for me to promote and develop young scientists, so they excel in their chosen scientific pursuits.

I also feel it is important to interact and promote scientific careers at the high school level because you never know whether a student you mentor could choose a career as a scientist. It is exciting to me to think that an amazing project I judged at a high school science fair could one day turn into the next great scientific researcher. However, with that kind of interaction or in any mentoring relationship, it is important to

pay attention to how to correctly bring out the best in your mentees. It is important to both guide and edify mentees to build them up as scientists with the hopes that they will want to continue the academic tradition one day. I want to promote and lift up my mentees scientifically, so that they also fall in love with science the way I did during graduate school.

While I continue to pursue academic research, my path toward independence has been unconventional and uncommon but has been great for me as a scientist. After graduate school, I had the opportunity to postdoc with an amazing laboratory at the University of Virginia. During that time, my current long-term collaborator, who is a cardiac surgeon, was looking for a scientist who he could have a partnership with and someone to help run his lab. While it's not conventional to have these kinds of partnerships or long-term collaborations, it has offered me many great opportunities to publish and work in a field I would have otherwise not chosen. Therefore, in science it is important to be open to possibilities, to be flexible, and to remember that not everyone needs to follow pathways that have been the norm. For myself, I have benefitted from the collaboration by receiving mentorship and gaining access to materials I would have had a difficult time obtaining otherwise. In return, I run both my lab, my projects, and his lab as well. Yes, it is unconventional, but it works well for us, and we both benefit from the relationship. This unconventional path also brought both of us to the University of Michigan in the middle of Covid. It was definitely harder than normal to move in the middle of a global pandemic, but the labs have been offered really amazing opportunities from the move because we have been flexible and were willing to move at an unconventional time. These possibilities include new collaborations from the move that we might not have had if we had stayed at our current institution. I definitely did not imagine after living in the South my whole life that I would be moving to Michigan, but I did move and it's been amazing for both myself and my collaborator. All of these great possibilities came from being flexible career wise.

My final suggestion is to always be writing-- write papers, write grants, write reviews, just write! It is easier to keep your "grant writing" skills going if you are constantly thinking about that skill and working to master it. I feel like these skills are also constantly changing and that to be the best at writing science, whether it be papers or grants, one needs to be constantly working at it. It's hard to do, believe me I know from experience, but scientific writing is best when it is constantly maintained and perfected as the requirements change with the needs of a journal or granting agency.

To end on a metaphor, I see a career in science to be like a rose bush, with beautiful, amazing end products that everyone admires but that take time and effort to bring to fruition. Meanwhile, it's also important to watch out for the thorns that can draw blood along the



DEPARTMENT OF BIOENGINEERING
UNIVERSITY of WASHINGTON



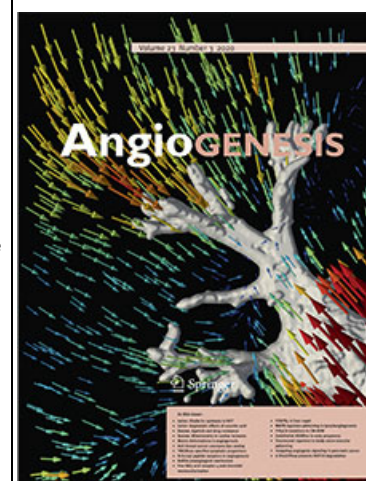
VB21 Exhibitors



VISUAL SONICS
VB21 Guest Societies



Affiliated Journals



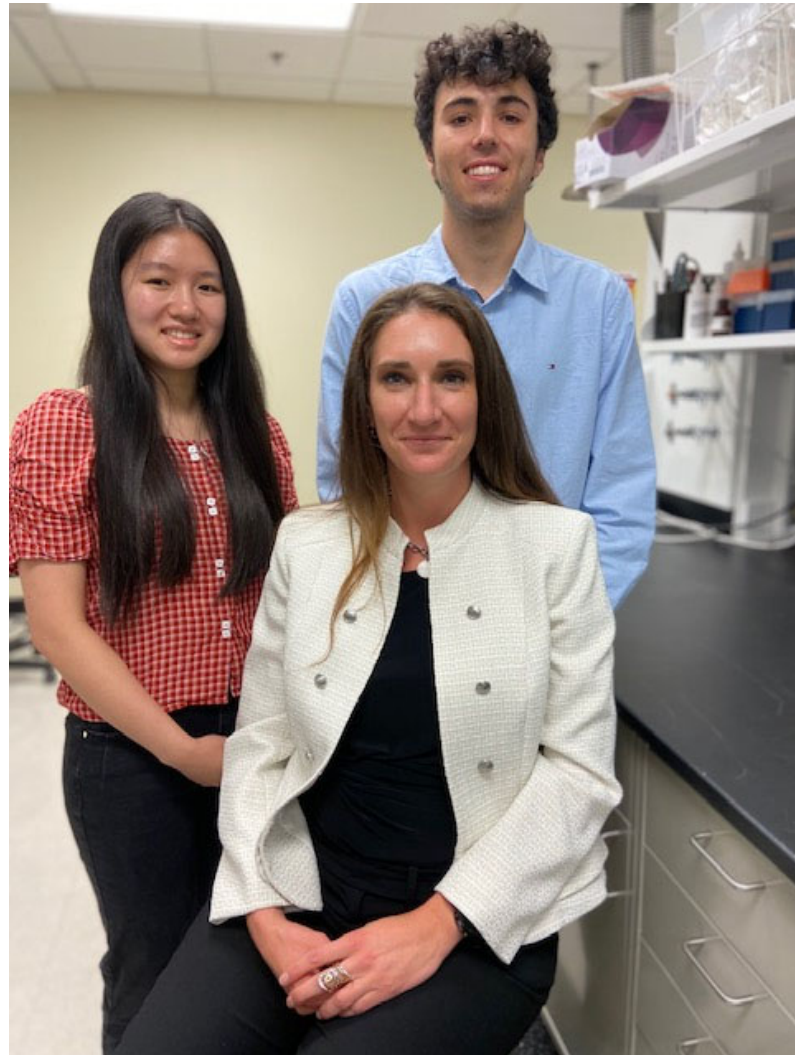
Cardiovascular
Pathology



way. Science is not productive without “blood, sweat, and tears” but I think it’s also truly amazing and a passion-filled way to work for a living. Thank you for allowing me to share some of my wisdom.

Read more Lessons Learned on [our website](#).

Lab of the Month



Lab of the Month - September 2021

[The Lab of Dr. Morgan Salmon](#)

This month we are highlighting the lab of Dr. Morgan Salmon, who is an Assistant Professor at The University of Michigan. Find out more about Dr. Salmon’s lab by visiting [her page](#) in our Lab of the Month listing.

Member News

Welcome to our New Members:

Dulguun Amgalan, Stanford University
Ashok Cheemala, UConn Health
Olivia Durham, University of Connecticut
Makena Ewald, University of California, Irvine
Sage Garriss, University of South Alabama
Christopher Hatch, University of California, Irvine
Sinem Karaman, University of Helsinki
Mikaela Keyser, University of Queensland
Omar Moustafa Omar, University of Connecticut
Uma Devi Paila, University of Virginia
Sebastian Piombo, University of California, Irvine
Stephen Spurgin, University of Texas Southwestern Medical Center Dallas
William Van Trigt, University of California, Irvine
Andy Vo, University of Virginia
Natalie Yeo, Nanyang Technological University
Mary Ziegler, University of California, Irvine

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

Spotlight on Trainees

Professional development and academic progress: happy partners in the graduate training experience

A group of authors representing ten US institutions that received NIH funding under the Broadening Experiences in Scientific Training (BEST) program have [published their assessment](#) of the impact of complementary training activities on trainees’ time to degree or research productivity. Such complementary experiences include career panels, skill-building and job search workshops, site visits, and internships. The contributing BEST awardee institutions used time-to-degree and publication records as measures of efficiency and productivity in comparing doctoral students who participated to those who did not, finding no differences in academic progress or manuscript output. The authors conclude that participation in career and professional development opportunities do not hinder but rather enhance students’ preparation for diverse and important careers in the biomedical workforce – a major goal of the BEST program.

Recent Member Publications

Kallistatin limits abdominal aortic aneurysm by attenuating generation of reactive oxygen species and apoptosis
Scientific Reports

Inflammation, vascular smooth muscle cell apoptosis and oxidative stress are believed to play important roles in abdominal aortic aneurysm (AAA) pathogenesis. Human kallistatin (KAL; gene SERPINA4) is a serine proteinase inhibitor previously shown to inhibit inflammation, apoptosis and oxidative stress. [Read more](#)

Targeting Nanoparticles to Bioengineered Human Vascular Networks

Nano Letters

Pharmacotherapy of vascular anomalies has limited efficacy and potentially limiting toxicity. Targeted nanoparticle (NP) drug delivery systems have the potential to accumulate within tissues where the vasculature is impaired, potentially leading to high drug levels (increased efficacy) in the diseased tissue and less in off-target sites (less toxicity). [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

Inaugural Michelson Philanthropies & Science Prize for Immunology

Michelson Philanthropies and AAAS announce a new award to recognize research in human immunology that has potential for multi-disease applications. The [Michelson Prize](#) invites applications from young investigators (35 and under) who apply their expertise in such diverse fields as computer science, protein engineering, nanotechnology, genomics, parasitology and tropical medicine, neuroscience, and gene editing to perform research on vaccine and immunotherapy. The Grand Prize winner will be published in Science and be awarded \$30,000. Applications, consisting of a 1,000-word essay describing the candidate's work and its trans-disease relevance, are due October 1, 2021.

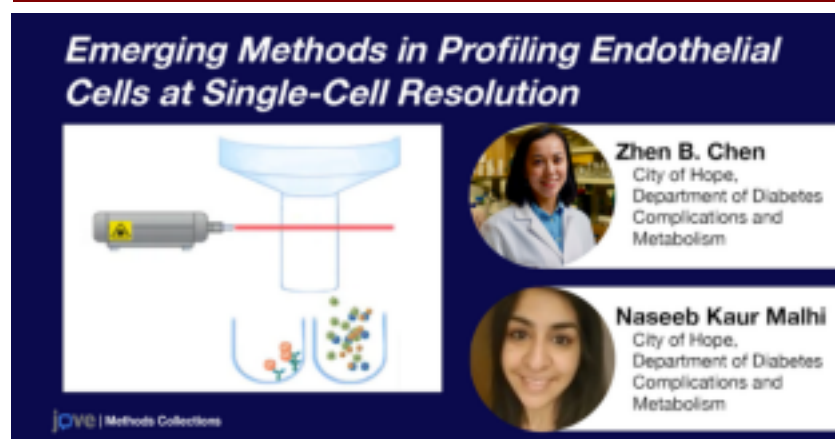
Early-career support available for civic engagement projects

Research!America announces the fourth iteration of its [Civic Engagement Microgrant Program](#). Grants of up to \$4,000 will be awarded to graduate student- and postdoc-led groups in the STEM and social sciences to design projects that create dialogue with public officials, local community leaders, and the public around issues of common concern. The funds provide opportunities for grantees to develop skills in communication and program planning, along with an understanding of policy and government in order to have an impact in their local areas. With the global pandemic in mind, in-person, virtual and hybrid events will be supported for this program cycle. Applications are due Monday, October 4, 2021.

Webinar: Organizational structure of academic health centers under the microscope

The American Association of Medical Colleges annually gathers together a group of medical leaders as an Advisory Panel on Health Care to discuss, analyze data and forecast future trends in academic medicine. Prior to the pandemic, the APHC undertook a review of the emerging trend of service lines and how their leadership and structure is conflicting with a more traditional medical department structure. AAMC is sponsoring a [webinar on September 21, 2021](#), to share early findings from this study and to hear the experiences of institutions who are modifying their organizational structure in view of the trends noted. The webinar is open to all employees of AAMC member institutions who are interested in attending.

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](#).



Extracellular Vesicles in Cardiovascular Inflammation and Calcification

Submission Deadline: 12/31/2021

<https://www.frontiersin.org/research-topics/23503/extracellular-vesicles-in-cardiovascular-inflammation-and-calcification>

Calendar of Events

September 9, 2021	NAVBO Focus Session: MicroRNA in Vascular Biology
September 21, 2021	NAVBO Symposium: Partial EndMT in Cardiovascular Disease
September 24 - 25, 2021	4th Annual Gulf Coast Vascular Research Consortium (Postponed)
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
Postdoctoral Researchers at Duke University	Duke University	Durham, NC
Postdoctoral Fellow	Rutgers University	Newark, NJ
Postdoctoral Associate	Rutgers University	Newark, NJ
Postdoctoral Fellow	University of Washington	Seattle, WA
Assistant/Associate Professor of Pharmacology and Physiology	University of Rochester	Rochester, NY
Postdoctoral Fellow in Vascular Biology	University of Colorado Anschutz Medical Campus	Aurora, CO
Postdoctoral Research Opportunity in Placental Vascular Development & Maternal Cardiovascular Adaptations to Pregnancy	Tufts Medical Center	Boston, MA
Research Assistant/Postdoc	Weill Cornell Medicine	New York, NY
Postdoctoral Fellow in Cardiovascular Biology and Atherosclerosis	Cleveland Clinic Lerner Research Institute	Cleveland, OH
Postdoctoral Position in Signal Transduction and Transcriptional Regulation at UCLA	UCLA Immunogenetics Center	Los Angeles, CA

North American Vascular Biology Organization

18501 Kingshill Road | Germantown, MD 20874
(301) 760-7745

[Mailing Preferences / Unsubscribe](#)



North American Vascular Biology Organization

18501 Kingshill Road | Germantown, MD 20874
(301) 760-7745

[Unsubscribe](#)

