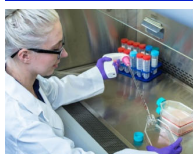




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Today's Webinar

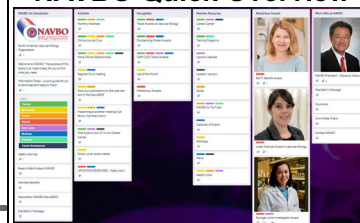


Join us on today, May 6 at 1:00pmET, when **Dr. Amber Stratman** from Washington University in St. Louis will present her talk "*Regulation of endothelial cell-mural cell interactions during development.*"

In this issue...

- [Webinars](#)
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- [Focus Sessions](#)
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- [Lessons Learned](#)
- [Spotlight on Trainees](#)
- [Industry News](#)
- [Calendar of Events](#)
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NAVBO Quick Overview



Meetings/Events

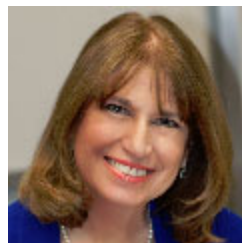


Webinars - 1st Thursday
Focus Sessions - 2nd and 4th Thursdays
Journal Clubs - 3rd Thursdays
Special Sessions on Tuesdays
([check schedule](#))
Download the NAVBO Events App from the App stores

Upcoming Webinars



Dr. Irina Petrache, National Jewish Health, will present her talk "Lung Injury Repair by the Pulmonary Microvasculature" in our webinar series on June 3. [Click here](#) to register.



Save the date! Our July 1 webinar will feature **Dr. Marlene Rabinovitch**, of Stanford University. More information coming soon.

Mark your calendars for these webinars. And bookmark this [page](#) on our web site for more exciting 2021 webinars.

Vascular Biology 2021

Abstract Submission Site Now Open!!

Plan now to submit an abstract for Vascular Biology 2021. We will be accepting abstracts for in-person posters and short talks as well as ePosters. In addition, we will be holding Virtual Poster Sessions. Find out more on our web site.

[Abstract Submission](#)



Plan to join us from October 24-28, 2021 at the Asilomar Conference Center in Monterey, California! **Vascular Biology 2021** will feature the Developmental Vascular Biology & Genetics and the Vascular Matrix Biology & Bioengineering Workshops. The registration site will be open soon! [See the program on our web site.](#)

May Focus Sessions

SAVE THE DATE!

LYMPHATIC FORUM 2021

Exploring the Lymphatic Continuum Virtual Meeting

May 31-June 5, 2021

Registration open through June 4



Vasculata 2021

Virtual July 13-15

Now Accepting Abstracts
Registration is Open

Focusing on New Technologies



Join us Thursday, May 13 at 1:00pmET
Quantifying the Vasculogenic Potential of Induced Pluripotent Stem Cell-Derived Endothelial Progenitors in Angiogenic Hydrogels
Cody Crosby, Southwestern University

Nanomedicine delivering miR-145 for atherosclerosis
Deborah Chin, University of Southern California

A Novel Imaging Pipeline for Multiscale Mapping of the Neurovasculome
Akanksha Bhargava, Johns Hopkins University

[Register](#)



Focus Sessions

Focusing on Endothelium Heterogeneity



Dr. Zhen Chen
Assistant Professor
City of Hope



Dr. Sanjeeva Metikala
Research Associate
University of South Florida



Dr. Justin P. Van Beusecum
Research Instructor
Vanderbilt University Medical Center



Symposium

Inflammation Resolution in Atherosclerosis and Aging

Tuesday, May 18, 2021 at 1:00pm

Organized by **Gabrielle Fredman, Albany Medical College**

Speakers:

Dr. Amanda Doran, Vanderbilt University Medical Center
Dr. Daniel Goldstein, University of Michigan
Dr. Francine Welty, Beth Israel Deaconess Medical Center



For more information, [click here](#) or click the button to register.

[Register](#)

Mark your calendar for our next symposium on June 15:
Human Organoid Systems to Study Vascular Toxicity
Organized by Andreas Beyer, Medical College of Wisconsin
[More information](#) or [register](#)

Online Symposia are Sponsored by the NAVBO Online Program Committee

Virtual Vasculata 2021

Plan to Attend Vasculata 2021!

Speakers include:

Pilar Alcaide, PhD, Tufts University School of Medicine
Rui Benedito, PhD, CNIC
Laura Benjamin, PhD, OncXerna
Joyce Bischoff, PhD, Boston Children's Hospital/Harvard Medical School
Hong Chen, PhD, Harvard Medical School/Boston Children's Hospital
Guilherme Costa, PhD, Queen's University of Belfast
Robert D'Amato, MD, PhD, Children's Hospital
Patricia D'Amore, PhD, Schepens Eye Research Inst of Mass Eye and Ear/ Harvard Medical School
Harold Dvorak, MD, Beth Israel Deaconess Med Center
Christiane Ferran, MD, PhD, Harvard Medical School

Vascular Biology 2021

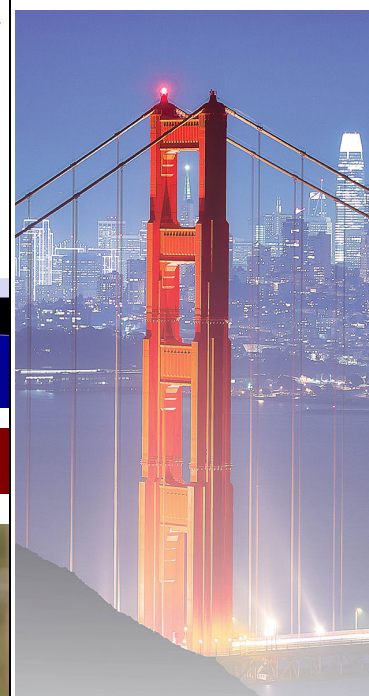


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22nd International Vascular Biology Meeting
San Francisco Bay Area
October 13-17, 2022



Webinar Series



Journal Club

Join us on May 20 for our next Journal Club reviewing the paper,
[Lymphoangiocrine signals promote cardiac growth and repair.](#)

Registration information is available in the NAVBO Online Event App.

Corporate Partners



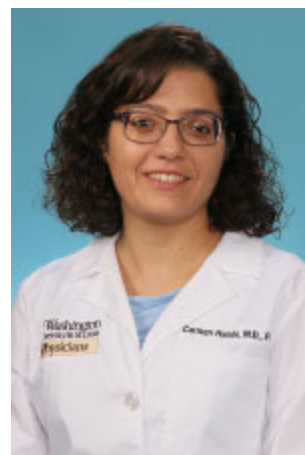
Quantifying Cell Behavior



Michael A. Gimbrone Jr., MD, Harvard Medical School/Brigham & Women's Hospital
 Chenghua Gu, PhD, Harvard Medical School
 Tim Hla, PhD, Boston Children's Hospital, Harvard Medical School
 Rakesh Jain, PhD, Massachusetts General Hospital
 Nathan Lawson, PhD, University of Massachusetts Medical School
 Robert Lefkowitz, MD, Duke University School of Medicine
 Peter Libby, MD, Brigham and Women's Hospital
 F. William Luscinskas, PhD, Brigham & Women's Hospital
 Juan Melero-Martin, PhD, Boston Children's Hospital
 Marsha Moses, PhD, Harvard Medical School
 Mary Wallingford, PhD, Tufts Medical Center

[Register Now and Submit an Abstract!](#)

Lessons Learned



My name is Carmen Halabi. I have been an Assistant Professor of Pediatrics at Washington University School of Medicine in St. Louis since July 2018. I am very grateful to NAVBO for giving me the opportunity to share some of the lessons I've learned since starting my independent lab as a physician-scientist. Having said that, I consider myself only beginning to embark on this journey and I have yet a lot to learn.

I would like to start off by saying that despite 18+ years of higher education (undergraduate, MD/PhD, residency, fellowship/postdoc), starting a laboratory has been one of the most challenging things I have done. No amount of training fully prepares you for what running a lab entails (having trainees, hiring/firing, budgeting, writing manuscripts/grants, taking care of a broken freezer or microscope and on and on...). Although a lot of it is learning by fire, I have been very fortunate to have had a lot of support and guidance from mentors, colleagues and administrators. Here are a few lessons I have learned along the way.

A supportive environment is of paramount importance.

Whether you stay at the same institution or move institutions for your first faculty position, it's important that you feel at home. One way this is accomplished, especially if you're the only one working in a particular field in your division/department, is for your colleagues and chief/chair to recognize the value of and believe in what you're doing. In addition, it's important to have a group of allies, people who want to see you succeed because there will certainly be days when you question whether you can do this. This leads me to another point, which is to make sure to ask for help when you need it. People won't know that you need something unless you ask for it and I have yet to encounter an individual not willing to help. Finally, support comes in many forms, in addition to having supportive mentors and colleagues, one point that pertains especially to physician-scientists is support from a time-protection standpoint. When negotiating a faculty position, make sure to ask not only what percent clinical vs. research time the position involves (25% vs. 75% or 20% vs. 80%, etc.), but also what that looks like. 25% clinical effort varies significantly from one institution to another.

Motivation is more important than skill when hiring people.

This is rather simple, you can teach someone how to do a western or dissect a vessel, but it is very difficult to get them motivated if they don't have an inner drive. Unfortunately, I have found it difficult to gauge motivation from an interview.

Learn to delegate when possible in an effort to use time more efficiently. A common advice I receive is to be at the bench doing experiments for as long as possible. While this is sound advice because you're probably the most efficient member of the lab when starting out, it's also important to not want to do everything yourself because as you get established you will have additional responsibilities (reviewing manuscripts, being on committees, etc.), which will distract you from a very important aspect of your career and the topic of my next lesson, writing.

Write. Write. Write. I'm stressing this point especially for myself. With growing daily tasks, it's easier or you feel more productive checking several little things off your to-do list (such as responding to an email, taking care of an animal protocol, etc.) than one big thing that will not get done in one sitting such as writing a manuscript or a grant. However, it's crucial to carve out specific time to write because that's what's going to get you ahead in the end.

Don't compare yourself to others (too much); this is a marathon, not a sprint. Finally, we all need a frame of reference to gauge how we're doing. In fact, when reviewing candidates for any position, we look at their CV's and consider what they've accomplished or where "they should be" at this stage of their career, however, it's important to remember that every person's "life" situation is different. Being stressed about falling "behind" may only decrease your enthusiasm and negatively affect your



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productivity rather than help you move forward. Keep your eye on the prize and set specific goals.

These are only a few of the lessons I have learned. There is a lot of advice out there. Just remember that what works for others may not work for you. Take the time to know yourself and move forward. There's no question that having a lab is hard work and follows a bumpy road with many rejections and disappointments but remember why you're doing this in the first place; the rewards are many!!

An additional resource to consult as a postdoc/junior faculty is: *Making the Right Moves: A Practical Guide to Scientific Management for Postdocs and New Faculty*, Second Edition
<https://www.hhmi.org/science-education/programs/making-right-moves>

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

Lab of the Month



Lab of the Month - May 2021

The Lab of Dr. Carmen Halabi

This month we are highlighting the lab of Dr. Carmen Halabi, who is an Assistant Professor at Washington University School of Medicine in St. Louis. Find out more about Dr. Halabi's lab by visiting [her page](#) in our Lab of the Month listing.

Spotlight on Trainees

2021 NOMIS & Science Young Explorer Awards

The editors of *Science* and the NOMIS Foundation invite applications for the Young Explorer Award, recognizing early-career researchers who ask fundamental questions at the intersection of the life and social sciences, performing interdisciplinary work that catalyzes cross-field collaboration. Previous applicants have applied information gained in the life sciences—such as genome-wide association studies, cellular imaging, or developmental biology—to questions related to the collective or individual behavior of humans in the fields of psychology, economics, political science or sociology. [Applications for the 2021 award](#), which include cash prizes and travel to the award ceremony in Zurich, are due May 15, 2021. The [NOMIS Foundation](#), based in Zurich, seeks to enable "...insight-driven science across all disciplines, focusing on researchers who put forth bold new ideas, exhibit a pioneering spirit, and seek to inspire the world around them."

Member News

Welcome to our New Members:

Anjali Gupta, Boston Children's Hospital
Soo Jin Kim, University of Ulsan College of Medicine
Yueh-Chien Lin, Boston Children's Hospital
Katya Ravid, Boston University School of Medicine
Michelle Tallquist, University of Hawaii

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



Recent Member Publications

Synaptotagmin-Like Protein 2a Regulates Angiogenic Lumen Formation via Weibel-Palade Body Apical Secretion of Angiopoietin-2

Arteriosclerosis Thrombosis, and Vascular Biology

Objective: Vascular lumen formation requires the redistribution of intracellular proteins to instruct apicobasal polarity, thereby



Cardiovascular Pathology

 **frontiers**
in Cardiovascular
Medicine

enforcing maturation of both luminal and basal domains. In the absence of proper apical signaling, lumen formation can be distorted leading to lumen collapse and cessation of blood flow. [Read more](#)

Mitochondrial respiration controls the Prox1-Vegfr3 feedback loop during lymphatic endothelial cell fate specification and maintenance

Science Advances

Recent findings indicate that mitochondrial respiration regulates blood endothelial cell proliferation; however, its role in differentiating lymphatic endothelial cells (LECs) is unknown. We hypothesized that mitochondria could work as a sensor of LECs' metabolic specific needs by determining their functional requirements according to their differentiation status and local tissue microenvironment. [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

White House issues FY2022 discretionary funding request

President Biden has released the White House's [top-line funding recommendations](#) for the fiscal year beginning in October. The recommendations include a \$9B increase (to \$51B) over the NIH's FY21 enactment, with \$6.5B devoted to establishment of the Advanced Research Projects Agency for Health (ARPA-H) to enhance health, lengthen life, and reduce illness and disability. With an initial focus on cancer, diabetes, Alzheimer's, and other diseases, this major investment in Federal research and development seeks to drive transformational innovations in health. Acting OMB Director Shalanda Young notes that "The President believes now is the time to begin reversing this trend...of nearly a decade of budget caps."

Blurring of boundaries between art and science spurred by COVID-19

Writing in [The New York Times](#), UNC-Chapel Hill historian Molly Worthen, while lamenting the widespread absence of the humanities from medical education, paints the coronavirus pandemic as an opportunity to make curricular amends. The sharp scientific focus on vaccine development has paid off in record time, but, according to Dr. Worthen, "...the pandemic is a once-in-a-century crisis that may force health professionals and medical schools to look beyond the traditional tools of modern medicine and think more broadly about how we train doctors to grapple with public health catastrophes." Medical students and more senior trainees alike were pulled from the classroom and clinical rotations, forced to adjust to unfamiliar ways of learning to heal and deal with the suffering of their patients. Could we be on the threshold of a golden age for [medical humanities](#)?

Fauci, Collins to be feted by Research!America

Research!America announces the [25th Annual Advocacy Awards](#), recognizing individuals and organizations whose commitment to science, technology, and public health has contributed to societal progress in profoundly important ways. NBC journalist Lester Holt will open the event. Oprah Winfrey will join Anthony Fauci, Director of the NIAID and recipient of the Outstanding Achievement in Public Health Award, for an exclusive interview. Dr. Francis Collins, Director of the National Institutes of Health, will contribute remarks and close the broadcast with a special performance with world-renowned soprano Renée Fleming. This year's event, scheduled for Thursday, May 13, 2021, 4-6 pm EDT, is virtual, open to the public, and free of charge.

Calendar of Events

May 6, 2021	Regulation of endothelial cell-mural cell interactions during development
May 18, 2021	Inflammation resolution in atherosclerosis and aging
May 31 - June 5, 2021	Lymphatic Forum 2021
June 3, 2021	Lung injury repair by the pulmonary microvasculature
July 13 - 15, 2021	Vasculata 2021
October 24 - 28, 2021	Vascular Biology 2021
October 24 - 27, 2021	ISA 2021

Job Postings

Job Title	Company	Location
Research Biologist	Brown University/ PVAMC	Providence, RI
Postdoctoral Scholar	Case Western Reserve University	Cleveland, OH
4 Junior Group Leader Positions in Angioscience and Cardioscience	Heidelberg University	Mannheim & Heidelberg, Germany

Research Associate	University of Virginia	Charlottesville, VA
Postdoctoral Fellow in Translational Genetics	University of California, San Francisco	San Francisco, CA
Postdoctoral Fellowship in Lymphatic Vascular Biology	University of South Florida	Tampa, FL
Postdoctoral Position in Tumor Immunity/Vascular Biology Research	Johns Hopkins University	St. Petersburg, FL
Postdoctoral positions in Translational Cancer Research	University of Helsinki	Helsinki, Uusimaa, Finland



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