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Today's Webinars



Today's Webinar

Join us today for our webinar "*Chromatin Remodeling and Gene Regulation in Vascular Homeostasis and Disease*" with **Dr. Marlene Rabinovitch**, of Stanford University. **More information is on our web site.**

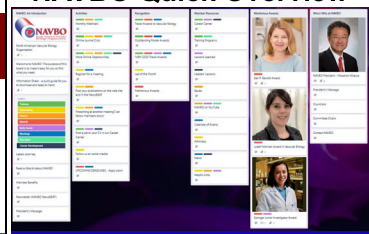
Register Here!

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

In this issue...

- [Webinars](#)
- [Volunteers Needed](#)
- [Vasculata](#)
- [VB2021](#)
- [Travel Awards Available](#)
- [Focus Session](#)
- [Symposia](#)
- [Lessons Learned](#)
- [Lab of the Month](#)
- [Member News](#)
- [Spotlight on Trainees](#)
- [Member Publications](#)
- [Industry News](#)
- [Calendar of Events](#)
- [Job Postings](#)

NAVBO Quick Overview



Meetings/Events



Call for Postdoc Volunteers

Would you like to become more involved with your NAVBO colleagues?



Calling all postdocs! The **NAVBO Membership, Education and Communication Committees** are currently accepting CVs in consideration for trainee positions within a committee. If you are interested in becoming more involved with the society, please submit your CV by email to membership@navbo.org today! Applications will be reviewed on a rolling basis.

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

Virtual Vasculata 2021

Plan to Attend Vasculata 2021!

July 13-15

Register Now through July 15!

Featured Workshop:

Innovations in Vascular Imaging
 Discover how new innovations in whole-organ 3D fluorescence imaging enable improved approaches for analysis of vascular tissues. Join us for this educational workshop featuring research talks on new 3D analysis methods for vascular and cardiac injury models, an interactive expert panel discussion, new methods and technologies, and more.



Vasculata 2021

Virtual July 13-15
Registration is Open through July 15

Vasculata is supported in part by:

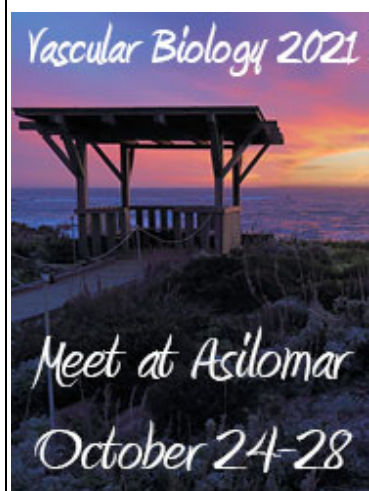


Miltenyi Biotec



IMARIS

See the Program



Register Now!

Vascular Biology 2021

Registration is now Open!

Register for the in-person meeting, which includes access to all virtual aspects of the meeting or register for just the virtual sessions (lectures, ePosters and virtual poster sessions).

[Register](#)

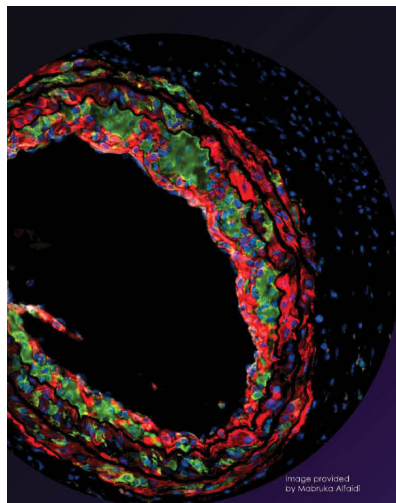
And submit an abstract by August 1. We will be accepting abstracts for in-person posters and short talks as well as ePosters. In addition, we will be holding Virtual Poster Sessions. [Find out more on our web site.](#)

[Submit an Abstract](#)



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. [See the program on our web site.](#)

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/qvic>

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

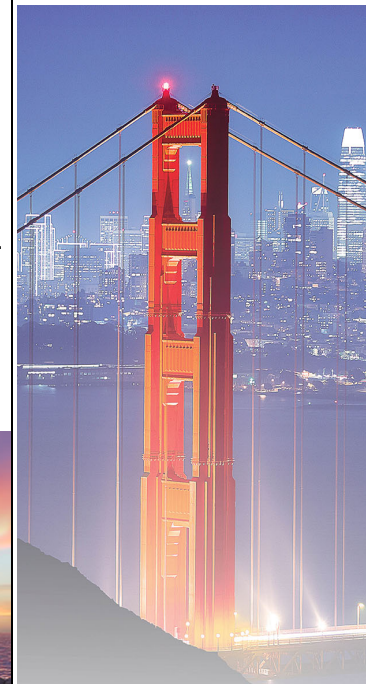
9 AM – 12 PM Scientific Session III



Next Focus Session

Journal Club

Join us on June 17 for our next Journal Club



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



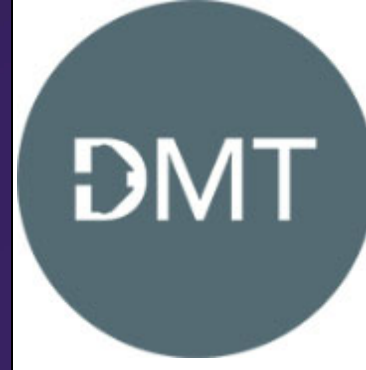
Webinar Series



Corporate Partners



Quantifying Cell Behavior



VISUALSONICS



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Corporate Members



VB2020 Supporters





Focus Sessions

Thursday July 8th, 2021 at 1:00 p.m. ET

"Focusing on Vascular Matrix Biology"



Dr. Rebekka Schneckmann
Endothelial Hyaluronan Synthase 3 augments post-ischemic arteriogenesis through CD44/eNOS signaling



Dr. Matthew Scott
EphA2 transphosphorylation in cell-matrix adhesions promotes fibrillar adhesion formation and fibronectin deposition



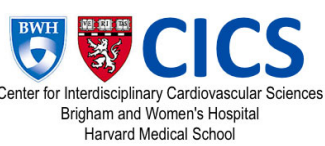
Luis Gonzalez
Increased Expression of the Matricellular Protein Tenascin-C During Venous Remodeling and Arteriovenous Fistula Maturation

Supported by the NAVBO Online Programming Committee

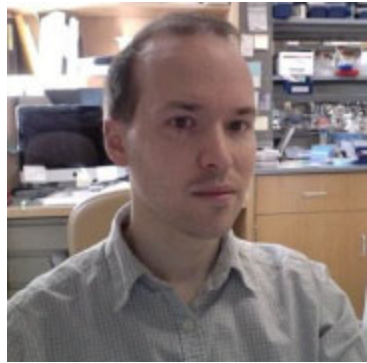
@vascularbiology

FREE registration online

navbo.org/events/online-events



Upcoming Symposia



Retinal and Choroidal Angiogenesis: Advances in Fundamental and Clinical research

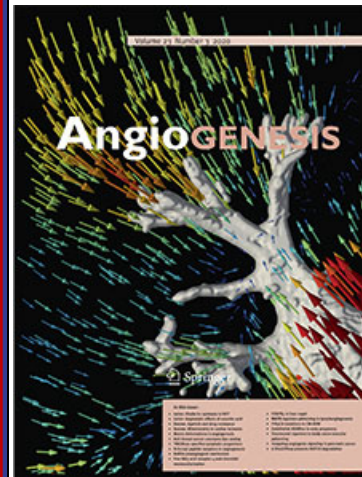
Tuesday, July 20, 2021 from 10:00am-11:30amET
Organized by **Bruno Larrivée**,

Université de Montréal

VB20 Guest Societies



Affiliated Journals



Cardiovascular Pathology



Symposium

Tuesday July 20th, 2021 at 10:00 a.m. ET

"Retinal and Choroidal Angiogenesis"



Dr. Gerard Lutty
Johns Hopkins University
"Choriocapillaris dropout in neovascular age-related macular degeneration and its consequences"



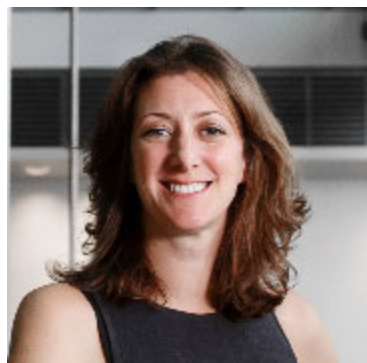
Dr. Srinivas Sadda
University of California Los Angeles
"Choriocapillaris in AMD: Insights into Pathophysiology Revealed by OCT-A"



Dr. Tatiana Byzova
Lerner Research Institute
"Retinal vascularization and tissue stiffness"

Organized by Bruno Larrivée, Université de Montreal
Supported by the NAVBO Online Programming Committee

@vascularbiology <https://www.navbo.org/events/calendar/1008-july2021>



Shaping Cell Behavior

New Date! Will now take place on Tuesday, August 17, 2021 from 11:00am - 12:30pmET
Organized by **Katie Bentley**, The Francis Crick Institute

Partial EndMT in Cardiovascular Disease

Tuesday, September 21 from 1:00pm-2:30pmET



Organized by **Joyce Bischoff**,
Harvard Medical School

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

Lessons Learned



Dear Colleagues,

Thank you for this opportunity to share some of the lessons that I've learned as a new PI and Assistant Professor at Tufts Medical Center (TMC). My lab pursues questions related to the vascular biology of pregnancy. Much of our work focuses specifically on the placenta, which is a highly vascularized organ that forms de novo with each pregnancy and mediates the transport of nutrients, oxygen, and waste between the

maternal and fetal circulations. Normal placental vascular development is essential for fetal growth and development, as well as maternal cardiovascular health during pregnancy.

My lab is located in the Mother Infant Research Institute (MIRI) at TMC. The MIRI is a truly unique department which brings together basic, translational, and clinical scientists who study all aspects of pregnancy health and pregnancy outcomes, ranging from prepregnancy maternal metabolism in Dr. Patrick Catalano's Lab to neonatal salivary diagnostics in Dr. Jill Maron's Lab. Within the wider Tufts Health Sciences Campus community, I'm also a member of the Molecular Cardiology Research Institute (MCRI), the Cell, Molecular and Developmental Biology graduate program, the Pharmaceutics and Drug Design graduate program, and Tufts University School of Medicine Ob/Gyn. If you want to learn more about any of these programs, please reach out – I would be happy to hear from you!

In order to reflect on lessons that I've learned in my first three years as a PI, I think we first need to acknowledge that this last year of laboratory start-up coincided with the global SARS-CoV-2 outbreak. The World Health Organization officially declared the global COVID-19 pandemic on March 11th of 2020. As we enter the summer of 2021, pandemic-related crises and related safety measures are still underway in many countries around the world. With respect to scientific research, the pandemic necessitated widespread laboratory shutdowns. Many of us quickly adapted to previously unthinkable changes in the workplace, home, and academic environments. In the US over 580,000 lives have been lost. If you have lost a loved one to the pandemic, or are dealing with or caring for someone who is struggling with the long-term sequelae, I sincerely wish you continued strength.

Leading a lab during the pandemic has been an unprecedented and uniquely challenging experience. So, what lessons have I learned in these first three years?

First, I've learned that my lab members, colleagues, and collaborators are amazing individuals who are capable of braving unimaginable adversity and persisting. TMC does a high volume of human subjects research and many of our PIs are physician scientists. These investigators not only managed to transition their labs to remote research, but they also served essential roles in the pandemic by providing medical care and helping the hospitals adapt to the ever-changing needs of the pandemic. I think there was (is) also an important personal and social element to workplace relationships during the pandemic. Although providing medical care and advancing research were and continue to be paramount at TMC as we emerge from this crisis, I am equally impressed by the kindness, sympathy, and support that my colleagues and collaborators have demonstrated to each other. The main take away lesson is that when choosing a department to call your home, the people and their character may be one of the most important things to consider.

Second, I've learned that mentors who are truly inspired by science and driven to support others are absolutely priceless. My doctoral training was in mammalian embryology in the Mager Lab at the University of Massachusetts Amherst, in the Veterinary and Animal Science Department (VASCI). I worked in the lab of Dr. Jesse Mager and was mentored by Jesse as well as Dr. Kimberly Tremblay with whom we had joint lab meetings. During my last year of PhD research, Jesse gave me the freedom and support needed to perform a study later published in *Developmental Dynamics* (Wallingford et al 2013), which greatly influenced the

course of my career. We produced a schematic of in utero peri-implantation mouse development that revealed several intriguing aspects of implantation, and ultimately solidified my interest in studying pregnancy. I then decided to obtain postdoctoral training in vascular development and disease, aiming to eventually apply this perspective to pregnancy and placenta research in my own independent lab.

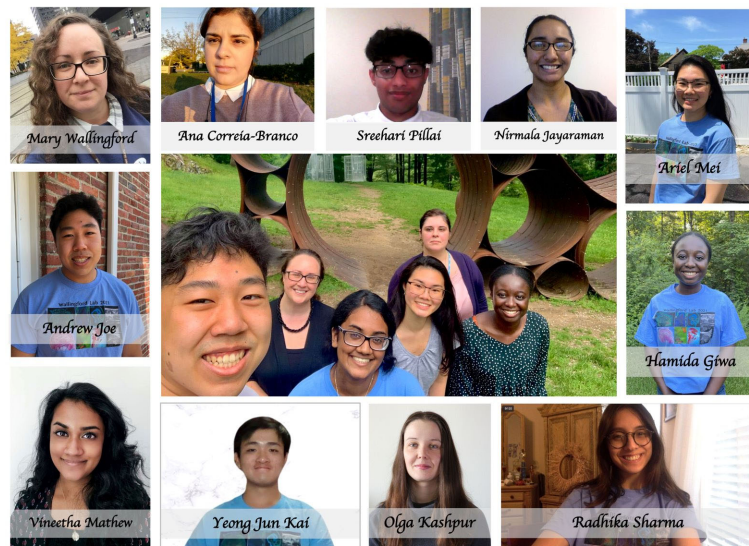
I joined the lab of Dr. Cecilia Giachelli in the Department of Bioengineering at the University of Washington in 2012, and again was extremely fortunate to find a supportive mentor who encouraged my training and independence. We focused on a fundamental question at first: how does phosphorus, an essential element, get to the developing baby? Several years later Ceci's generosity and support led to a successful K99 application, and I transitioned my R00 award to TMC in 2018. In addition to Ceci, many people at the University of Washington contributed to a successful and enjoyable postdoc experience. It is an absolutely fantastic place to do a postdoctoral fellowship in cardiovascular research. I was so fortunate to be able to learn from many great minds in addition to Ceci through training grants and local events, such as Dr. David Dichek who co-mentored me through an appointment on his training grant, Dr. Michael Chin, Dr. Mark Majesky, Dr. Chuck Murray, Dr. Ying Zheng, and of course the late Dr. Stephen M. Schwartz. I can't tell you how many times during this last year I thought back to Steve's encouraging and inspirational words. Steve supported my research vision and lauded my creativity and commitment; I will forever be grateful for his encouragement, as well as ALL of the seemingly random intriguing scientific questions that he would pose through an impromptu phone call, philosophical questions at a student seminar, or even at local political activism events. The main lesson here is twofold: to trainees I recommend that you ask many questions and try to listen with clarity. Years later you might find unexpected utility in advice given to you long ago. Conversely, PIs should remind ourselves to take time to reflect on the unique and expansive impact that our words can have.

Finally, I've learned that each person's perspective and personal journey is unique. This has been especially evident over the last year as people have dealt with highly varied and asynchronous challenges. Even beyond the pandemic, this has become increasingly obvious to me as I participate in multiple different academic programs/departments and contribute to many collaborative teams. In this career we aim to become increasingly specialized. I've found that the most successful grants are those with a strong team in which people with multiple diverse areas of expertise work together. Communicating across disciplines is an essential and important challenge. In addition to differences among the fundamental knowledge, preconceptions, and perspectives harbored by individuals, groups of people also have unique sets of academic norms. One department may be run democratically with equal voice among faculty, others may be run with a more hierarchical structure. A fundamental research premise in one department which is so well accepted that it's no longer acknowledged, may in turn be a completely foreign concept in another. I think the overarching lesson here is that communicating with colleagues, sharing your knowledge and ideas, and listening with an open mind is likely to support innovative, successful research programs. I can't say that I've figured out HOW to do this yet, but I can say that I've begun to recognize the importance and I'm fully committed to moving forward.

Sincerely,
Mary Wallingford

[Read more Lesson's Learned on our web site.](#)

Lab of the Month



Lab of the Month - July 2021

The Lab of Dr. Mary Wallingford

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

Member News

Welcome to our New Members:

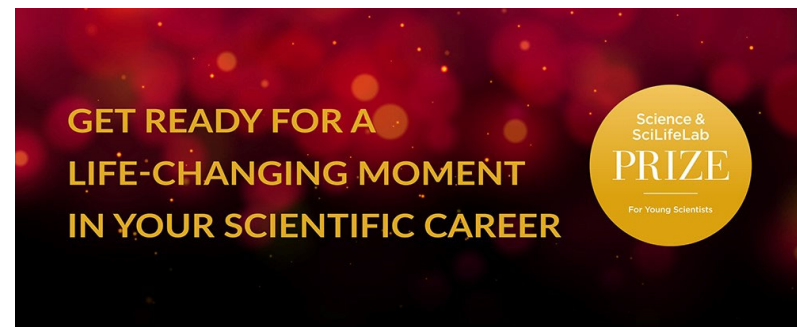
Edward Moreira Bahnson, Univ of North Carolina at Chapel Hill

Hanjaaram Cha, Brigham Women's Hospital
Sebastian Korste, University Hospital Essen
Feyone La, University of Rochester
Sana Nasim, Boston Children's Hospital
Jorge Plutzky, Brigham and Women's Hospital
Elena Song, Brown University
Li Chang Jessica Teo, Boston University

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



Spotlight on Trainees



Applications for 2021 Science & SciLifeLab Prize Now Open

The Science & SciLifeLab [Prize for Young Scientists](#) is now open for application by entrants who received their doctoral degree between 1/1/19 and 12/31/20. This annual prize is awarded in four categories: Cell and Molecular Biology, Ecology and Environment, Molecular Medicine, and Genomics, Proteomics and Systems Biology Approaches. Applicants submit a 1000-word essay that is judged by an independent editorial team organized by the journal Science. Essays are judged on the quality of research and the applicants' ability to articulate how their work would contribute to their scientific field. Winners will have their essays published by Science, receive up to \$30,000, and be invited to Sweden to present their research and meet with other leading scientists. Application deadline is July 15, 2021.

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. Please note, only papers authored by current NAVBO members are accepted for inclusion.

Industry News

Changes to NIH Biosketch Guidelines

The NIH has announced changes to the Biographical Sketch and Other Support Format Page for grant applications due on or after May 25, 2021. As described in [NOT-OD-21-073](#), the NIH is endeavoring to align the Biosketch, Other Support format page and Application Form Instructions with the guidance issued by the Office of Science and Technology Policy Joint Committee on the Research Environment. These efforts aim to support strong collaboration between Federal research agencies. Application forms and instructions have been updated to support the need for applicants and recipients to provide full transparency and disclosure of all research activities, foreign and domestic.

T32 Training Program for Institutions That Promote Diversity

Funding opportunity announcement [RFA-HL-22-001](#) from the NHLBI renews the institute's encouragement of the participation of individuals from from groups that are nationally underrepresented in cardiovascular, pulmonary, hematologic and sleep disorders research across the career development continuum by providing support to institutions that promote diversity. In the view of federal sponsors, these institutions are uniquely positioned to engage minority and other health disparity populations in research, translation, and implementation of research advances that impact health outcomes, as well as provide health care for these populations. The NHLBI efforts reflect the [NIH's commitment](#) to addressing structural racism in the biomedical research enterprise.

Heart Effects Rare Following mRNA COVID-19 Vaccination

With more than 177 million people in the US have received at least one dose of COVID-19 vaccine, the CDC has received upwards of a thousand reports to the [Vaccine Adverse Event Reporting System](#) of cases of inflammation of the heart (myocarditis and pericarditis) happening after vaccination with either the Pfizer-BioNTech or Moderna mRNA COVID-19 vaccine. Confirmed cases have occurred mostly in male adolescents and young adults age 16 years or older. Most patients who received care responded well

to treatment and rest and quickly felt better. The CDC notes that getting vaccinated remains the best way to help protect from COVID-19.

Calendar of Events

July 1, 2021	Chromatin Remodeling and Gene Regulation in Vascular Homeostasis and Disease
July 13 - 15, 2021	Vasculata 2021
August 17, 2021	NAVBO Symposium: Shaping Cell Behavior
October 24 - 28, 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 fellow in vascular regeneration at University of Toronto/UHN	Toronto General Research Institute, University Health Network	Toronto, ON
Postdoctoral Fellowship in Vascular Developmental Biology	University of South Florida	Tampa, FL
Research Assistant	Weill Cornell Medicine	New York, NY
Postdoctoral Fellow in Vascular Biology and Immunology	University of Pennsylvania	Philadelphia, PA
Post-doc or Research Associate	Case Cardiovascular Institute	Cleveland, OH
Postdoctoral Fellows	University of Washington	Seattle, WA

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