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## Inaugural Stephen Schwartz Award



### Brant Weinstein is the First Recipient of the Stephen Schwartz Award in Mentoring

Part of NAVBO's 2021 Vascular Biology annual meeting festivities will be presenting the first annual 2021 Stephen Schwartz award to this year's recipient. Named in honor of Dr. Stephen Schwartz, a revered and beloved member of NAVBO and co-founder of the society, the award recognizes a mentor who has contributed significantly to the successful career of scientists who have trained in their laboratory, as well as served as an exemplary mentor to graduate students and postdocs, and who has contributed to fostering an environment which facilitates both professional and personal growth. The award will be presented on Thursday October 28th.

This year's honor is being presented to Dr. Brant M. Weinstein, who is currently Associate Scientific Director at the National Institute of Child Health and Human Development at the National Institute of Health (NIH) in Bethesda, Maryland. Dr. Weinstein has been a NAVBO member since 1997 and has served on its Membership Committee, Governing Council, and as President.

Praise for Dr. Weinstein's ability to mentor was widespread among NAVBO members. Here are some selected quotes from Dr. Weinstein's nominators:

"Some of the features that make Dr. Weinstein a unique, outstanding, and cherished mentor are his dedication to each one of his trainees, his patience and generosity, the high respect he provides to each one of the people he works with and his advocacy to make science a diverse and welcoming space for everyone."

"As a PhD student who is about to graduate, I now see that Dr. Weinstein's mentorship style is rare in the scientific community. His ability to provide significant input without micromanaging and calmly think through problems with his lab members is something that I have seldom seen since leaving the NIH."

"As a woman of an underrepresented minority in STEM, I have encountered senior scientists that challenge your place in academia. Having Dr. Weinstein as a mentor has been the exact

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### Meetings/Events



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



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opposite. Despite his worldwide reputation, he respects you as a person and recognizes you as a fellow scientist. When I fell short of ideas or confidence, he found a way to encourage me to become better, to work harder, and guide me toward the right path. It is remarkable how a short one-on-one meeting with Dr. Weinstein can boost your morale and make you feel you can do this job, and you can do it right, because you belong, and you deserve to be here. Under Dr. Weinstein's guide I have grown as a scientist, published high impact papers, was recognized in the vascular and developmental biology field, and successfully applied to several instrumental grants that will shape my future independent career."

"To me what makes a good mentor is not that the person is available for questions, easy to communicate with, or pats you on the shoulder to tell you that you are doing well (all of which describe Dr. Weinstein by the way). To me what makes a good mentor is someone who can show what you, as a trainee, are capable of. One of Dr. Weinstein's greatest attributes as a mentor was letting us, as his trainees, make mistakes, learn from them, and come out of the experience not feeling less than who we are."

**NAVBO congratulates Dr. Weinstein on his award.** It is well deserved, and Dr. Weinstein is a prime example of how important mentoring is in the life sciences.

[Read More](#)

## Meet Our New Councilor



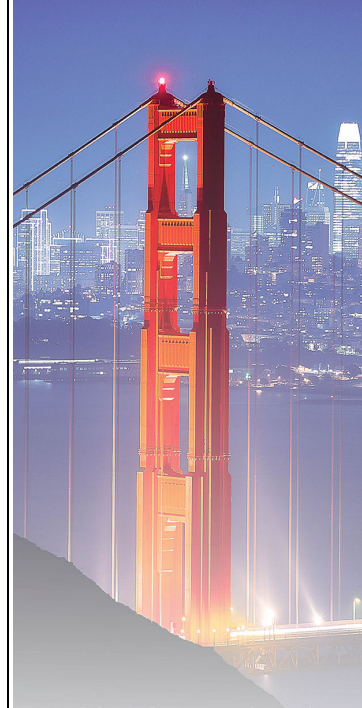
### Angela Glading

Dr. Glading received her PhD from the University of Pittsburgh and completed post-doctoral fellowships at the Scripps Research Institute and UC San Diego before starting her own lab at the University of Rochester in 2009. There, she serves as Director of the Graduate Program in Cellular and Molecular Pharmacology and Physiology.

Research in the Glading lab seeks to unravel how cell adhesion signaling modulates cell growth, differentiation, and tissue morphology in vascular health and disease. Projects in the lab focus on how the structural/mechanical and biochemical signals from adhesion sites regulate blood vessel function and growth using cellular and animal models. Her lab has made significant contributions to understanding the pathogenesis of cerebral cavernous malformation, a unique disease that offers significant insight into vessel development.

Dr. Glading has served with NAVBO since 2009 as a member, then Chair, of the Membership Committee, and then Chair of the Communication Committee.

## Our New Web Site is LIVE!



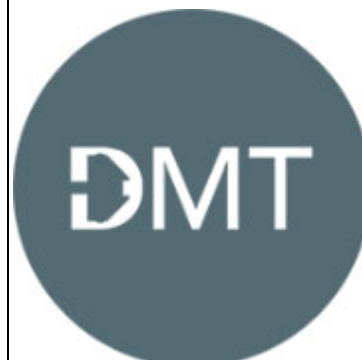
**22nd International  
Vascular Biology Meeting**  
*San Francisco Bay Area*  
October 13-17, 2022



### Webinar Series



### Corporate Partners



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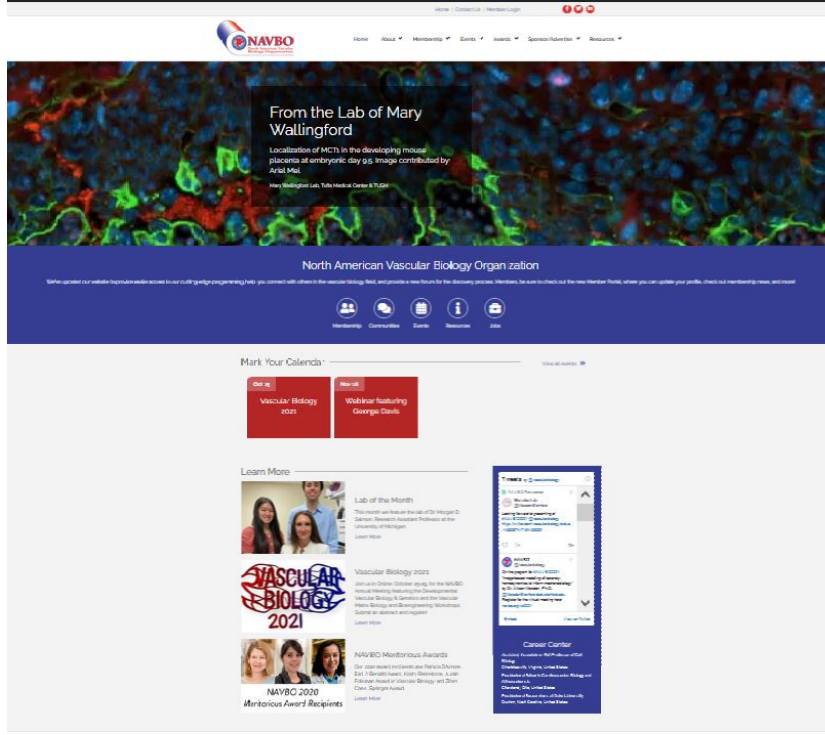
### Corporate Members



### VB2021 Supporters







I look forward to your feedback!

## Vascular Biology 2021

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.

[See the web site for the schedule](#)

[Register](#)

## Lessons Learned



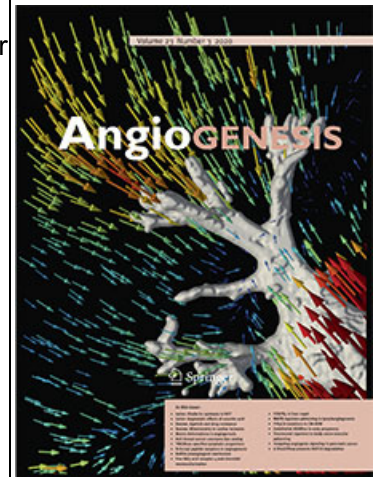
### Morgan Salmon

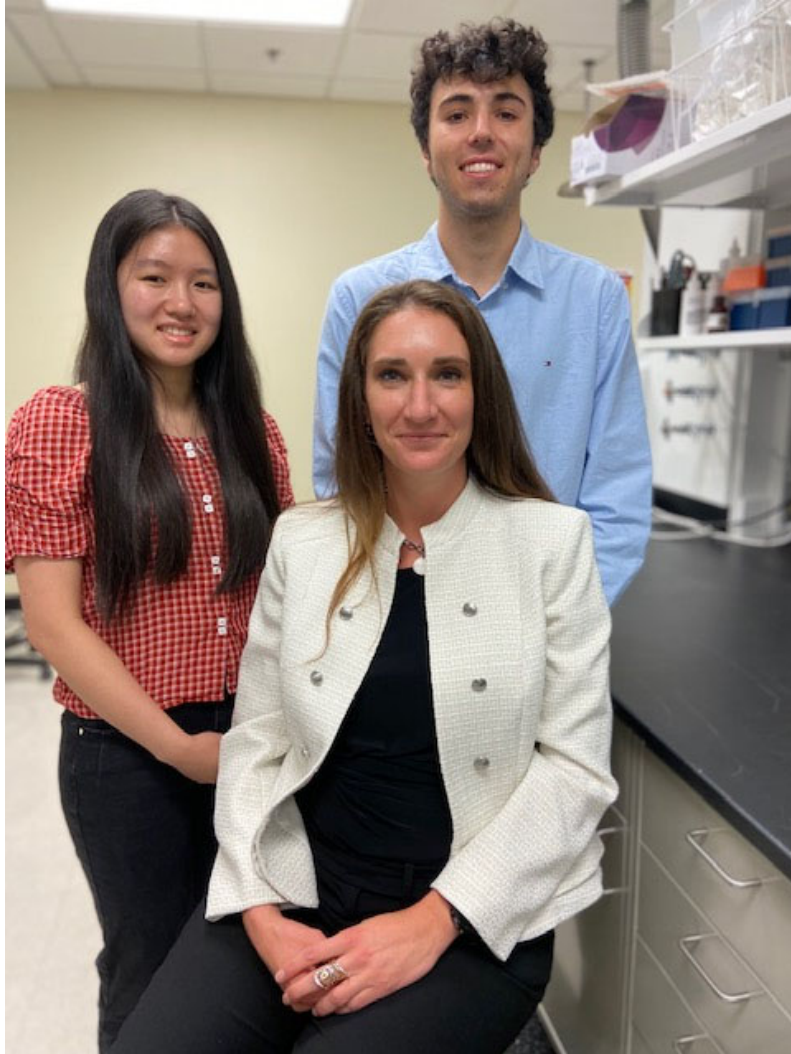
For most scientists, there are defining moments throughout our careers that drive our passion, intellectual drive, and keep us motivated and continuing to pursue such a difficult, life-consuming career. For some, it is that paper in a top-tier journal or that major grant that really sets the stage for 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 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.

[Read More](#)

## 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:

Md. Abedin, University of Minnesota  
Daniel Beard, University of Newcastle  
James Bennett, University of Washington  
Rachel Carley, Brown University & Ocean State Research Institute  
Erika Dreikorn, University of Pittsburgh  
Jessica Furtado, Yale University  
Laura Gadanec, Institute for Health and Sport  
Emma Iaconetti, Columbia University Irving Medical Center  
Basak Icli, Tufts University Medical School  
Ha-Neul Jo, University of Minnesota  
Tatiana Kalin, Cincinnati Children's Hospital Medical Center  
Jacklyn Levey, University of Minnesota  
Susan Lin, University of Pennsylvania  
Robert Mullins, University of Iowa  
Yu Jung Shin, University of Washington  
Joshua Vincentz, Regeneron Pharmaceuticals, Inc.  
Stephanie Wilczynski, University of South Carolina School of Medicine  
Lexi Yates, Vanderbilt University  
Lingling Zhang, University of Minnesota  
Jonas Zimmer, Brigham and Women's Hospital, Harvard Medical School

If you have news to share with your colleagues, send it to [membership@navbo.org](mailto: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.

*(Originally published in our September 9 issue)*

## Recent Member Publications

### sVEGFR1 Is Enriched in Hepatic Vein Blood—Evidence for a Provisional Hepatic Factor Candidate?

Frontiers in Pediatrics

Background: Pulmonary arteriovenous malformations (PAVMs) are common sequelae of palliated univentricular congenital heart disease, yet their pathogenesis remain poorly defined. In this



preliminary study, we used paired patient blood samples to identify potential hepatic factor candidates enriched in hepatic vein blood. [Read more](#)

### **Effects of Sodium-Glucose Co-Transporter 2 Inhibitors on Vascular Cell Function and Arterial Remodeling**

*International Journal of Molecular Sciences*

Cardiovascular disease is the leading cause of morbidity and mortality in diabetes. Recent clinical studies indicate that sodium-glucose co-transporter 2 (SGLT2) inhibitors improve cardiovascular outcomes in patients with diabetes. The mechanism underlying the beneficial effect of SGLT2 inhibitors is not completely clear but may involve direct actions on vascular cells. [Read more](#)

### **3D Bioprinting of Engineered Tissue Flaps with Hierarchical Vessel Networks (VesselNet) for Direct Host-To-Implant Perfusion**

*Advanced Materials*

Engineering hierarchical vasculatures is critical for creating implantable functional thick tissues. Current approaches focus on fabricating mesoscale vessels for implantation or hierarchical microvascular in vitro models, but a combined approach is yet to be achieved to create engineered tissue flaps. [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](mailto: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**

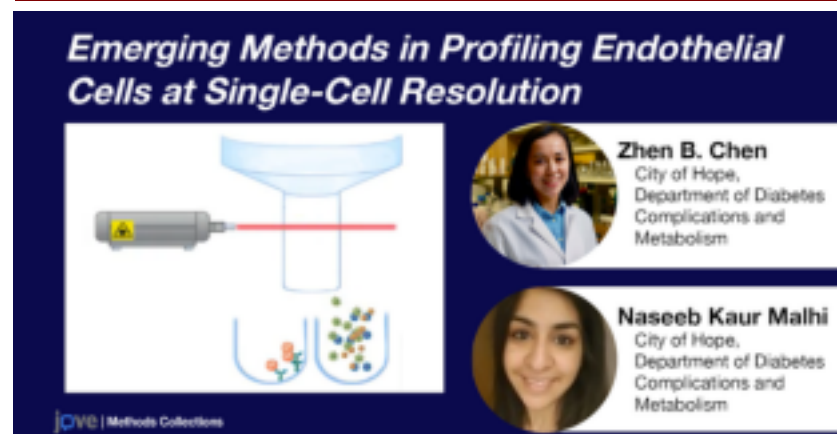
Research!America announces the fourth iteration of its [Civic Engagement Microgrant Program](#). Grants of up to \$4,000 will be awarded to graduate student- and postdoc-led groups in the STEM and social sciences to design projects that create dialogue with public officials, local community leaders, 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.

*(Originally published in our September 9 issue)*

## **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](mailto:zhenchen@coh.org) or [follow this link](#).

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

September 24 - 25, 2021	<a href="#">4th Annual Gulf Coast Vascular Research Consortium (Postponed)</a>
October 2 - 3, 2021	<a href="#">LGDA/LMI International Conference on Complex Lymphatic Anomalies</a>
October 25 - 29, 2021	<a href="#">Vascular Biology 2021</a>
October 24 - 27, 2021	<a href="#">ISA 2021</a>
October 28 & 29, 2021	<a href="#">International Scientific Meeting for PIK3CA Related Conditions</a>
November 1 - 4, 2021	<a href="#">36th Annual Critical Issues in Tumor Microenvironment: Angiogenesis, Metastasis and Immunology</a>

## Job Postings

Job Title	Company	Location
<a href="#">Postdoctoral Researchers at Duke University</a>	Duke University	Durham, NC
<a href="#">Postdoctoral Fellow</a>	University of Washington	Seattle, WA
<a href="#">Assistant/Associate Professor of Pharmacology and Physiology</a>	University of Rochester	Rochester, NY
<a href="#">Postdoctoral Fellow in Vascular Biology</a>	University of Colorado Anschutz Medical Campus	Aurora, CO
<a href="#">Postdoctoral Fellow in Cardiovascular Biology and Atherosclerosis</a>	Cleveland Clinic Lerner Research Institute	Cleveland, OH
<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

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