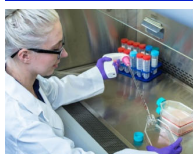




NewsBEAT

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



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Don't Miss Out - Attend IVBM2022!



Late-Breaking Abstracts Poster Only

Don't delay, we are accepting late-breaking abstracts through September 12 OR receipt of 50 abstracts - whichever comes first.

Revised topic list:

- Emerging Topics and New Technologies
- Translational Research
- Vascular Beds and Cells
- Vascular Development and Aging
- Vascular Diseases
- Vascular Physiology
- Vasculature in Disease

For more information, visit our web site:
<https://www.ivbm2022.org/submit-an-abstract/>

Hotel reservation cut-off is September 13!
or when the room block is filled
Reserve your room soon!

NAVBO has secured a room rate of \$229 a night. For more information about the **Oakland Marriott City Center**, go to our web page: <https://www.ivbm2022.org/hotel/>



View the full program at <https://ivbm2022.org/program>

Please note that the IVBM is an in-person meeting.

Follow the IVBM on Social Media!



Lab of the Month

In this issue...

- IVBM 2022
- Lab of the Month
- Nada Fadul Webinar
- Mentor Matching
- Member News
- Spotlight on Trainees
- Member Publications
- CSR Early Career Reviewers Needed
- Industry News
- Summer Programs
- Call for Papers/Proposals
- Calendar of Events
- Job Postings
- Did You Know?

Meetings/Events



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



Did you know?

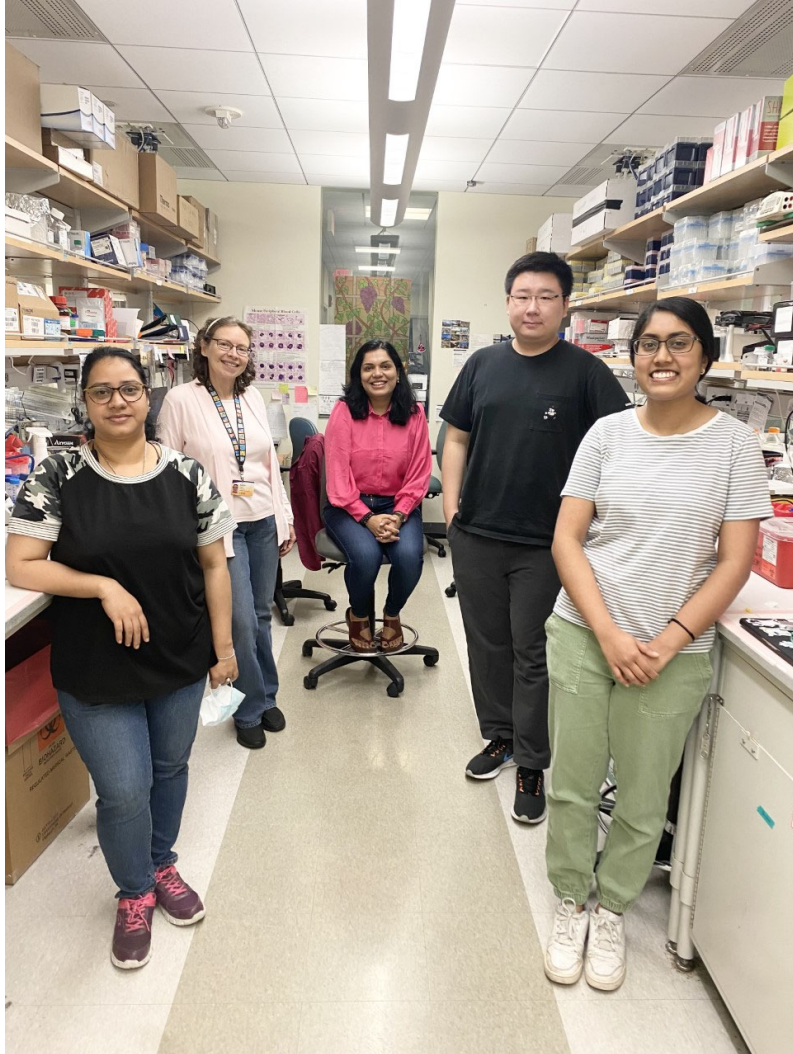
We've Improved the Career Center!

Simply log in using your NAVBO login (same one you use to access the Member Portal) and the job board will recognize you as an active member and automatically give you the correct member pricing. If your membership expired, you'll be able to log in, but you will not receive the member pricing. **Renew and save money on your job postings! Post an open position today!**

30-day postings are free for NAVBO members
(a savings of \$200)

The Member Portal Makes it Easy for NAVBO Members to:

- Register for an online event or upcoming conferences quickly
- Easily see events for which you have registered
- Access your data and update your profile
- Renew your membership, check your current status, print invoices or receipts



Lab of the Month - September 2022

The Lab of Dr. Tirthadipa Pradhan-Sundd

This month we are highlighting the lab of Dr. Tirthadipa Pradhan-Sundd, Assistant Professor at the University of Pittsburgh. Find out more about her lab by visiting [her page](#) in our Lab of the Month listing.

DEI Webinar



You don't want to miss a chance to enjoy.....

Dr. Nada Fadul's enlightening presentation, "*Integrating Health Equity in Medical Education: The Time is Now,*" discussing her work as Assistant Dean for Diversity, Equity and Inclusion Education Programs at the University of Nebraska Medical Center. You can view the recording of Dr. Fadul's seminar at this link:

<https://attendee.gotowebinar.com/recording/3274916699647573262>

NAVBO Mentor Match



Take Advantage of the NAVBO Mentor Match Program

NAVBO is providing our community with a mentor-mentee matching program. Mentors must be NAVBO members. If someone is interested in enrolling as a mentee and is not a NAVBO member, contact Danielle (membership@navbo.org).

When you enroll, select the area in which you would like to concentrate on - managing a lab, looking for a postdoc position, diversity and inclusion, developing a research program, life balance, etc. The system will make mentor suggestions to mentees and mentees can reach out to suggested Mentors.

Find out more about the program within the Vascular Network - <https://community.navbo.org/mentoring>

Member News

Welcome to our New Members:

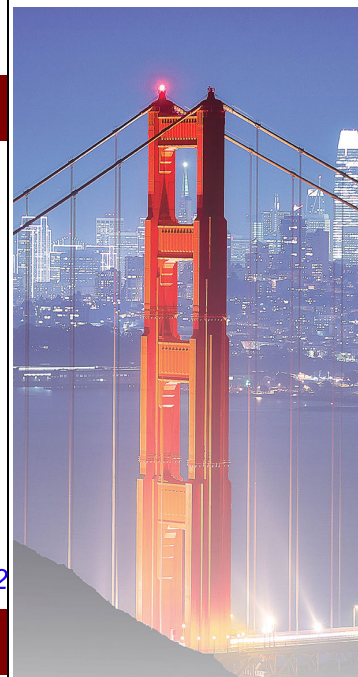
Maria Castano, University of South Florida
 Daniela Gaebler, University of California Irvine
 Sharon Hyduk, University Health Network
 Hisham Ibrahim, University Health Network/University of Toronto
 Yerin Kim, Emory University
 Mariko Kudo, Oklahoma Medical Research Foundation
 Martin Lange, Yale University
 Gabrielle Largoza, Baylor College of Medicine
 Nathaniel Lartey, University of Michigan
 Lingfeng Luo, Stanford University
 Azalia Martinez Jaimes, Stanford University
 Luiz Henrique Medeiros Geraldo, Yale Cardiovascular Res Ctr
 Janeth Ochoa Birrueta, UCSF
 Christian Park, Emory University

- Search the Directory for other NAVBO members
- Use Research Categories to find those with like interests
- Connect directly to the Vascular Network and our Career Center



There's an app for that!

Download the **MemberPlus** app to register for events, find other NAVBO members and access resources such as the **Career Center** and the **NAVBO Academy** on your phone or tablet. **Go to the App Store or Google Play.**



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



IVBM 2022 Supporters

We gratefully acknowledge the support of the following societies, academic centers and corporations.

Corporate Support Diamond Level



Gold Level Partner



Strategic Partners

Jerry Wei Heng Tan, Boston Children's Hospital
Joyce Teng, Stanford University School of Medicine
Jean-Leon Thomas, Yale University School of Medicine
Sofia Velazquez, Yales University
Xuetao Zhang, University of California, San Francisco
Bin Zhou, Albert Einstein College of Medicine

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

Spotlight on Trainees

Tips and tools for success as a scientist

The Office of Intramural Training & Education at the NIH is offering, under the heading of "[Becoming a Resilient Scientist](#)," a series of webinars and small group discussions intended to help trainees develop the tools needed to navigate challenging situations in their professional and personal lives. The series of five webinars, each linked to a drop-in small-group discussion the following week, highlight strategies needed for academic success and for thriving in research and healthcare careers. The webinars, whose topics include wellness, self-advocacy, and optimizing mentoring relationships, are scheduled between early September and mid-November of 2022.

Recent Member Publications

A new mechanism of fibronectin fibril assembly revealed by live imaging and super-resolution microscopy

Journal of Cell Science

Fibronectin (Fn1) fibrils have long been viewed as continuous fibers composed of extended, periodically aligned Fn1 molecules. However, our live-imaging and single-molecule localization microscopy data are inconsistent with this traditional view and show that Fn1 fibrils are composed of roughly spherical nanodomains containing six to eleven Fn1 dimers. [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.

CSR's Early Career Reviewers

The Center for Scientific Review (CSR) at the National Institutes of Health invites early career scientists to join our Early Career Reviewer program. Participants gain first-hand NIH grant review experience which can be helpful in preparing their own grants.

In brief, the program is open to those who:

- Have at least 1 year of independent research experience (assistant professors and similar roles; associate professors are not eligible and post-docs are not eligible)
- Have not held an R01 or equivalent
- Have at least one senior-authored publication (first, last, or corresponding) since earning a Ph.D. or M.D. and at least one in the last 2 years
- Have submitted an NIH grant application and received the summary statement

Details and the application can be found here:

<https://public.csr.nih.gov/ForReviewers/BecomeAReviewer/ECR>

Questions are welcome – CSRearlycareerreviewer@mail.nih.gov

Industry News

AAAS and The BioInnovation Institute team to reward translational research

The [BioInnovation Institute \(BII\)](#) and [Science Prize for Innovation](#) is now accepting applications. This award seeks to encourage scientists to translate their research, asking fundamental questions at the intersection of the life sciences and entrepreneurship. Three winners will have their essays published in Science and will be invited into BII's "entrepreneurial ecosystem." In addition, the Grand Prize winner will receive a prize of USD 25,000 and each runner-up will receive USD 10,000 at a grand award ceremony in Copenhagen, Denmark. Applications, including a 1000-word essay describing the applicant's innovative work, are due November 1, 2022.

Legal tussle begins over SARS CoV-2 mRNA vaccine intellectual property

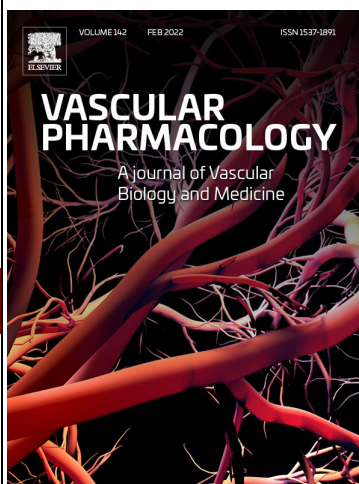
As [reported in The New York Times](#), vaccine manufacturer Moderna has sued Pfizer and BioNTech, alleging that its competitors had infringed Moderna's patents covering mRNA vaccine technology. The legal challenge portends a costly and extended battle between the firms that led the way in developing innovative coronavirus vaccines that benefitted millions and provided a stunning proof of principle for the efficacy of mRNA-based vaccines. Profits and industry dominance hang in the balance, although Moderna maintains that the suit would not hinder access to COVID vaccines or the development of new mRNA products.

NIH loan repayment programs offer debt relief and career continuity

The high cost of professional education and training in medicine and clinical specialties has compelled some investigators to abandon their research careers in favor of more lucrative positions



Event Partners



Contributors



Participating Societies Partners



in the private sector or private medical practice. To help retain highly qualified health professionals in biomedical research careers, the US Congress has established a set of [NIH Loan Repayment Programs](#) that enable defrayment of up to \$50,000 annually of a researcher's qualified educational debt, in exchange for a commitment to engage in NIH mission-relevant research. The online application submission window for this year's Extramural New & Renewal Awards is open until November 17, 2022.

Summer Programs



PRIDE CVD-CGE

Cardiovascular Disease Comorbidities, Genetics and Epidemiology
July 11-27, 2022 at the University of Washington in St. Louis

The NHLBI-funded "Programs to Increase Diversity Among Individuals Engaged in Health-Related Research" support junior faculty underrepresented in biomedical research.

Space is limited for the mentored program starting summer 2022.
Apply early!

[Learn more . . .](#)

More PRIDE Programs:

- [Cardiovascular Health-Related Research](#) (SUNY Downstate Health Sciences University)
- [Future Faculty of Cardiovascular Sciences](#) (UC San Diego)
- [Research in Implementation Science for Equity](#) (UC San Francisco)

Call for Papers/Proposals

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](#).

frontiers | Frontiers in Physiology

Novel Adipose Regulation of Vascular Physiology and Cardiovascular Disease

Carolina Restini, Michigan State University, United States
Cameron G. McCarthy, University of South Carolina, United States
Jessica Faulkner, Augusta University, United States

Topic Editors

Research Topic now open for submissions

Novel Adipose Regulation of Vascular Physiology and Cardiovascular Disease hosted by Drs. Carolina Restini (Michigan State University), **Cameron G. McCarthy** (University of South Carolina School of Medicine) and Jessica L. Faulkner (Medical College of Georgia at Augusta University).



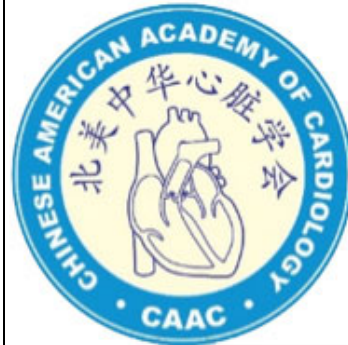
The Japanese Vascular Biology and Medicine Organization



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AUSTRALIAN VASCULAR BIOLOGY SOCIETY



INTERNATIONAL SOCIETY FOR
Applied Cardiovascular Biology



Guests




Academic Suma Cum Laude

It is well established that adipose tissue has profound influence on organ function via paracrine and endocrine signaling. Specifically, adipose tissue is able to express and secrete various bioactive molecules (e.g. adipokines). However, depending on the type of fat (brown or white), the organ, and the embryological origin, adipose tissues may diverge in the production/secretion of specific metabolites and how they subsequently affect organ function. Therefore, how adipose tissue contributes to homeostatic vascular physiology and the pathogenesis of cardiovascular disease is far-reaching, as are possible therapeutic targets. In this issue, we aim to bring together a collection of state-of-the-art articles that illustrates this potential and contributes significantly to combating the prevalence and incidence of cardiovascular disease by targeting adipose tissue depots.

Submit your paper here: <https://www.frontiersin.org/research-topics/27566/novel-adipose-regulation-of-vascular-physiology-and-cardiovascular-disease>

frontiers
in Cardiovascular Medicine
Impact factor: 6.05

frontiers
in Pediatrics
Impact factor: 3.418



Molecular Mechanisms Underlying Single Ventricle Defect

Yifei Miao, Cincinnati Children's Hospital Medical Center, United States
Shuyi Nie, Georgia Institute of Technology, United States
Mingtao Zhao, Nationwide Children's Hospital, United States

Topic Editors


Molecular Mechanisms Underlying Single Ventricle Defect hosted by Drs. Yifei Miao (Cincinnati Children's Hospital Medical Center), Shuyi Nie (Georgia Institute of Technology), and Mingtao Zhao (Nationwide Children's Hospital).

Single ventricle defects (SVD) are among the most complex congenital heart problems and manifest as the underdevelopment of one heart chamber and associated valvular structures. We have organized a special issue on **Frontier in Pediatrics and Cardiovascular Medicine** to collect the current progress into understanding the molecular contributions to SVD.

For more information or to submit an abstract, please email us or use this link: <https://www.frontiersin.org/research-topics/37616/molecular-mechanisms-underlying-single-ventricle-defect>

frontiers | Research Topics

EndMT in Cardiovascular Diseases



“EndMT in Cardiovascular Diseases” hosted by Drs. Mabruka Alfaidi (LSU Health Shreveport, USA), J. Geoffrey Pickering (Western University London, Canada) and Paul Evans (University of Sheffield, UK).

Endothelial-to-mesenchymal transition (EndMT) is characterized by multiple morphological and physiological changes, including loss of endothelial cell polarity, disruption of intercellular junctions, migration, altered extracellular matrix secretion, and increased proliferation. EndMT is a fundamental process during early development, however, it has been identified in a multitude of cardiovascular disease processes such as progressive atherosclerotic plaques, valvular heart disease, myocardial infarction, pulmonary hypertension, and cardiac fibrosis and remodeling in heart failure. EndMT entails a spectrum of cell phenotypic changes in which endothelial cells (ECs) downregulate their adhesion junction molecules (e.g. CD31, VECAD) and upregulate contractile and invasive markers (e.g. SMA, nCAD, CNN1). During development and in the process of transition, ECs delaminate from an organized cell layer and invade the underlying tissue. However, there is less understanding of these processes in the post-development stages, especially during the pathogenesis of cardiovascular diseases.

Submit your paper here: <https://www.frontiersin.org/research-topics/42648/endmt-in-cardiovascular-diseases>

Abstract Submission Deadline: 04 October 2022
Manuscript Submission Deadline: 04 December 2022

Calendar of Events

| | |
|-------------------------|--|
| September 15, 2022 | Journal Club - September 15, 2022 |
| September 15 - 16, 2022 | SenNet 1st Annual Meeting |
| September 17 - 20, 2022 | 12th International Kloster Seeon Meeting “Angiogenesis”: Molecular Mechanisms and Functional Interactions |
| September 19 - 20, 2022 | Yet to Be Charted: Lymphatic System in Health and Disease |
| September 27, 2022 | Symposium: Mitochondrial function in cardiovascular disease |
| Sept. 28 - Oct. 1, 2022 | 18th Biennial ISACB Meeting |
| October 13 - 16, 2022 | Career Fair at the IVBM |




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HOSPITAL
CARDIOVASCULAR MEDICINE

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Magna Cum Laude



OMRF

Oklahoma Medical
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Cum Laude

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BioPhysics

Quantifying Cell Behavior



DMT



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BIOSCIENCE

- October 13 - 17, 2022 22nd International Vascular Biology Meeting
- October 20, 2022 International Symposium on Retinal and Choroidal Angiogenesis
- October 24 - 27, 2022 Critical Issues in Tumor Microenvironment: Angiogenesis, Metastasis and Immunology
- Oct. 30 - Nov. 4, 2022 The 2022 Gordon Research Conference on Lymphatics
- January 7 - 8, 2023 First Regional EVSS Conference
- Jan. 31 - Feb. 3, 2023 VAC 2023

[Visit the NAVBO Calendar of Events for more meetings](#)



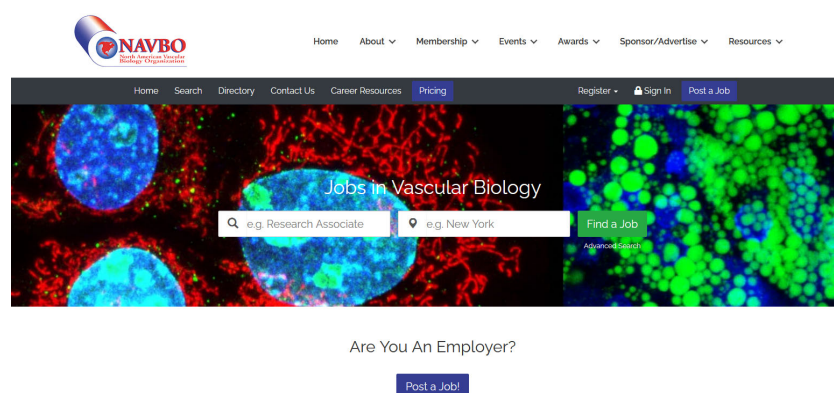
TRON

JUNIOR GROUP LEADER (M/F/D)

to establish a Research Group on "Modulating inflammation in cardiovascular disease".

Job Postings

| Job Title | Company | Location |
|---|---|---------------------------------|
| Post-Doctoral Fellowship | National Institutes of Health/NICHD | Bethesda, MD |
| Postdoctoral Fellow Position | Cleveland Clinic Lerner Research Institute | Cleveland, OH |
| Research Assistant Professor | University of Illinois Chicago | Chicago, IL |
| Life Science Research Professional 1 - Laboratory Manager | Stanford University | Stanford, CA |
| Postdoctoral Fellow Position | Johns Hopkins University School of Medicine | Baltimore, MD |
| Junior Group Leader (M/F/D) | TRON gGmbH (nonprofit) | Mainz, Rheinland-Pfalz, Germany |



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Jobs in Vascular Biology

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Post an open position today!

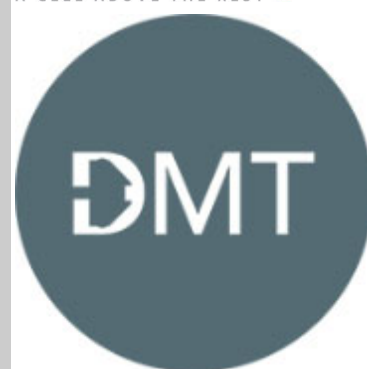
30-day postings are free for NAVBO members (a savings of \$200)



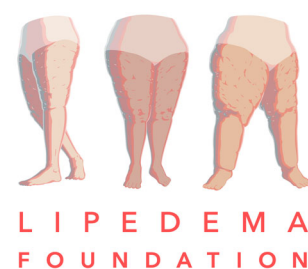
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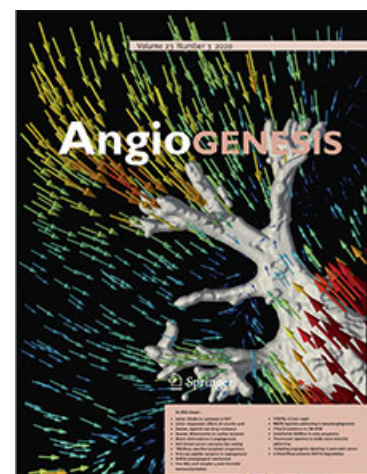
Quantifying Cell Behavior



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Cardiovascular Pathology



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