EUROPEAN SOCIETY FOR MICROCIRCULATION
Integrating
Vascular Biology & Medicine

ESM Newsletter 1/2025

Dear members of the European Society for Microcirculation, dear Colleagues,

Please find attached the newsletter 1-2025 which highlights ongoing and future activities of the ESM and its national societies.

If you would like to contribute to our newsletter, do not hesitate to contact us via the email contact available on our website www.esmicro.eu. We look forward to hearing from you.

Best regards from the whole ESM team,


Elena Osto


Anja Meissner


Henning Morawietz

MEETINGS

You are cordially invited to the upcoming Biennial Meeting of the European Society for Microcirculation!

Time: May 19-22, 2025, **Venue:** The Attila József Education and Information Centre of the University of Szeged, Szeged, Hungary

Host Society: The Hungarian Society for Microcirculation and Vascular Biology (MMVBT)

REGISTRATION AND ABSTRACT SUBMISSION IS NOW OPEN!

For further information and program items, please, visit:
https://www.esm2025szeged.hu/

DEADLINES

Early bird registration and abstract submission: FEBRUARY 16th, 2025

To register, please, visit: https://www.esm2025szeged.hu/registration/

We very much look forward to your participation in ESM 2025 and to welcoming you to Szeged, Hungary!

UNIVERSITAS SCIENTIARUM SZEGEDIENSIS
SZEGEDI TUDOMÁNYEGYETEM

Albert Szent-Györgyi Medical School, Faculty of Science and Informatics,
University of Szeged

Dear Colleague,

It is a great honor for us that the European Society for Microcirculation (ESM) will hold its next conference, the **European Society for Microcirculation Biennial Meeting** (ESM 2025) in Szeged, Hungary between May 19-22, 2025!

As the President of ESM 2025, I would like to warmly invite you and the members of your scientific society to attend the event.

ESM represents a broad range of research on microcirculation in organs and tissues, from molecular biology to clinical research. The goal of this international event is to create a common platform for clinical and basic research focusing on microcirculation, which is crucial for understanding chronic diseases such as cardiovascular and central nervous system disorders.

Since 1960, the ESM conferences have been held regularly with participants not only from the European research community but also from the American affiliate of ESM, the Microcirculatory Society. This year, researchers from Asia will also be joining the event. The engaging program of the conference is reflected in the involvement of plenary speakers from various fields. Registration and abstract submission are already available on the conference website: https://www.esm2025szeged.hu/

I would greatly appreciate your support in spreading the news of the ESM 2025 conference to as many interested professionals as possible. Please consider sharing the event in your newsletter, on your society/association's website, or even as a post on social media. I appreciate your cooperation in advance!

I am confident that we will welcome you, as well as many members and colleagues from your society/association, at this meeting!

If you have any questions, I am happy to assist you at the following email address: esm2025@altagra.hu

Thank you and best regards,

Best regards,

Eszter Farkas
President, ESM 2025
https://www.esm2025szeged.hu/

Eszter Farkas, Ph.D. habil. D.Sc.
professor department chair
Department of Cell Biology and Molecular Medicine
University of Szeged
H-6720 Szeged, Somogyi u. 4.
Tel.: +36-62-342-208 (22-08)
E-mail: farkas.eszter.1@med.u-szeged.hu
Web: http://cellbio.szte.hu/index.php/en/

EUROPEAN SOCIETY FOR MICROCIRCULATION
BIENNIAL MEETING
MAY 19-22, 2025, SZEGED, HUNGARY
ESM 2025

EUROPEAN SOCIETY FOR MICROCIRCULATION
Integrating
Vascular Biology & Medicine

Awards

At its biennial international conferences, the European Society for Microcirculation (ESM) sponsors a number of awards to support researchers at all stages of their career. The following awards will be given during the Biennial Meeting of the European Society for Microcirculation 2025 (ESM 2025), to be held in Szeged, Hungary between May 19-22, 2025.

The Malpighi Award and Lecture

This is the most prestigious award of the European Society for Microcirculation (ESM). It is given to an individual with an internationally outstanding reputation in any field of microcirculation and microvascular research. The Malpighi Prize Committee is constituted by: the President, the Secretary-General, the Treasurer, one other representative of the ESM Executive Committee and the last two Awardees (if available). Voting is by secret ballot.

The Malpighi Award and Lecture was announced to our members. We have received excellent nominations. The awardee will deliver the prestigious Malpighi Lecture at the forthcoming ESM meeting in Szeged, Hungary, May 19-22, 2025 and will receive the Gold Malpighi Medal and a life-long Membership of the ESM.

Journal of Vascular Research/European Society for Microcirculation Award and Lecture

The Journal of Vascular Research (JVR/ESM) Award and Lecture aims to highlight important and growing fields of research, with high impact for vascular biology and the microcirculation, with the goal of awarding one of the most prominent researchers in the field.

Nomination is organized by Brant Isakson, Editor of JVR (brant@virginia.edu)

Congress Travel Awards for Early Career Investigators

Together with the submission of an abstract for ESM 2025 early career scientists (student or less than 5 years postdoctoral experience) who are members of ESM may apply for a travel award of 600 Euro (8 awards are available), which will cover the registration fee and support their travel costs. Travel awards will be given on the basis of the quality of the submitted abstracts.

This Travel Award is organized and awarded by the Congress Award Committee.

The deadline for application will be the abstract deadline for the Congress – Spring 2025.

Poster Awards for Early Career Investigators

During the ESM 2025 congress five such awards (100 Euro each), will be given for the best posters. Poster Prizes are organized and awarded by the Congress Award Committee at the Congress.

SFB 1531
Damage control by the stroma-vascular compartment

Gesellschaft für Mikrozirkulation & Vaskuläre Biologie (GfMVB e.V.)
Society for Microcirculation & Vascular Biology

Emerging Scientist Award
Aletta Jacobs Award
Young Investigator Award
Poster Awards
Get Together
Social Evening

PERSPECTIVES IN CARDIOVASCULAR BIOLOGY

3 - 5 APRIL 2025 | Goethe University Hospital Frankfurt

SPEAKERS

KARINA YANIV
Rehovot | IL

JONAS NEHER
Munich | DE

SLAVA EPELMAN
Toronto | CA

KAI C WOLLERT
Hanover | DE

PILAR ALCAIDE
Boston | US

RUI BENEDITO
Madrid | ES

PAUL RILEY
Oxford | UK

SABINE STEFFENS
Munich | DE

JOANNA KALUCKA
Aarhus | DK

STEPHEN WHITE
Newcastle | UK

CHRISTOPH KUPPE
Aachen | DE

ANDRÉS HIDALGO
New Haven | US

ANJA KARLSTAEDT
Los Angeles | US

MARIONA GRAUPERA
Barcelona | ES

Angiogenesis Metabolism Cardioimmunology
Microcirculation Vascular Damage Inflammation

SCAN ME
www.pcvb2025.de

EARLY REGISTRATION & ORAL ABSTRACT DEADLINE:

5 MARCH 2025

SUPPORTED BY

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DZHK Deutsches Zentrum für Herz-Kreislauf-Forschung
Else Kröner Fresenius Stiftung
AstraZeneca

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2025

SUMMER SCHOOLS

UNIVERSITY OF ANGERS - FRANCE

VASCULAR:

VESSELS AND THEIR ENVIRONMENT

16TH | 20TH JUNE

www.summerschools.univ-angers.fr

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ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA

CHU ANGERS
CENTRE HOSPITALIER UNIVERSITAIRE

Vascular: Vessels and their environment

Cardiovascular diseases are the leading cause of death worldwide, with about 18 million deaths per year. This justifies the adage that one is the age of one's arteries and explains that researchers work tirelessly to understand how the cardiovascular system develops and functions. Therefore, we intend to organize a short summer programme of learning, teaching and training which aims at raising students' awareness of the new pathogenic mechanisms involved in vascular disease, new investigational tools and potential targeted treatments, with the final purpose to promote excellence in the field of Vascular Medicine.

When	June 16th-June 20th 2025 for the physical mobility. A virtual activity will be organised after the physical mobility, on July 1st (group 1) and July 8th (group 2) in the afternoon, Paris time.
Where	Faculty of Health, University of Angers, France
Language	English
Learning outcomes	Knowledge and Understanding, Diagnostic Skills, Clinical Decision-Making, Communication Skills.
Credits	3 ECTS
Enrol now	There are 30 spots available for this program, assigned on a first-come, first-served basis. **The deadline for application is April 13th, 2025.**
Course Coordinators	 Pierre Abraham  Cristina Belizna  Jeanne Hersant

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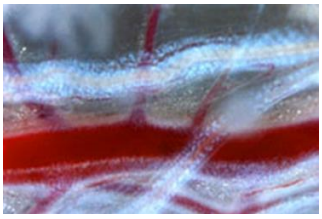
More details can be found at:
https://summerschools.univ-angers.fr/en/summer-schools/vascular.html

Akos Koller receives one of the most prestigious awards of the American Physiological Society

Named after Carl J. Wiggers, the founder of the Cardiovascular Section of the American Physiological Society, the annual award is given to a single researcher who has made significant discoveries, is a pioneer in the field, and has inspired the wider professional community. In 2024, Dr. Ákos Koller, Professor at Semmelweis University, was honored with this award – which he will receive following his talk at this year's summit in Baltimore – in recognition of his decades of research and groundbreaking work on the functioning of the heart, skeletal muscles, and cerebral microcirculation.

Akos Koller



The microcirculation

Photos by Boglárka Zellei, Semmelweis University, Dr. Gabriella Dörnyei and Dr. Ákos Koller.

"I have spent most of my career working on the function of microvessels, which make up about 80-90 percent of the blood circulation. In the last 10 years I have concentrated mainly on the specificities of the cerebral circulation", said Dr. Ákos Koller, Head of the Microcirculation Laboratory of the Institute of Translational Medicine, Professor at the Faculty of Health Sciences (ETK), former Vice-Dean of the Faculty of Medicine, Doctor of the Hungarian Academy of Sciences. In 2019, his research achievements earned him the Malpighi Award of the European Society for Microcirculation, while his research and teaching work was recognized with the Albert Szent-Györgyi Medical Award in 2021. Last spring he received the Eugene M. Landis Research Award from the American Microcirculatory Society.

"It can be seen as a kind of merit award, which is a reward for the scientific achievements of my career and the achievements of my students. Having students, I feel, is a vindication of your work, because you have people to carry on your achievements. And of course, it is important to have students because they make you work even harder," said the professor, who is still actively involved in university talent management, especially in doctoral and TDK (Students' Scientific Association) programs.

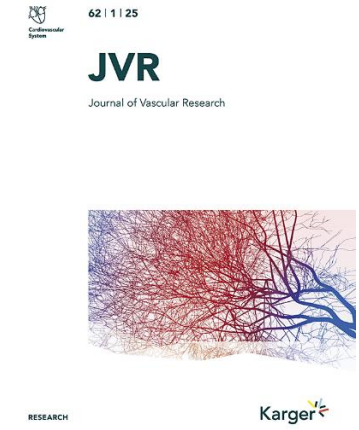
The discovery and verification of the role of shear stress in the regulation of microvascular circulation is considered one of his greatest scientific achievements. That is, the experimental demonstration that it is not only the magnitude of the pressure that regulates the circulation, but also the speed of the flow, and that the resulting force on the vessel wall – i.e. shear stress, or, in simple terms, friction – also plays a major role in the amount of circulatory energy lost in small and microvessels, which may put more strain on the heart. Another important discovery of his was that cerebral microvessels behave in exactly the opposite way to the small vessels of the heart. Because of the closed skull, the blood vessels cannot widen much, so they tend to contract when the flow increases, and provide the necessary blood flow by increasing the flow rate. "Impairment of this function may play a role in traumatic brain injury, migraine, hypertonia, diabetes, and preeclampsia, which also sets the direction for my research.

In recent years, he has also turned his interest from basic research to clinical research.

For more information: https://semmelweis.hu/english/2024/10/dr-akos-koller-receives-one-of-the-most-prestigious-awards-of-the-american-physiological-society/.

The official journal of the European Society for Microcirculation:

Journal of Vascular Research



Editor: Brant E. Isakson (Charlottesville, VA)

Journal of Vascular Research **is now a Transformative Journal**, committed to increasing the number of Open Access articles and converting to the Open Access model at the latest when 75% of papers are published Open Access. The Transformative Journal model supports authors by fulfilling all Open Access mandates and drives forward the Open Access transition while maintaining publishing choices for authors. Please visit for more information: https://karger.com/jvr.

The Journal of Vascular Research (JVR) continues our close relationship with the ESM by co-sponsoring the “JVR Outstanding Manuscript Award Lecture” at the ESM Congress 2025.

JVR has continued our strong commitment over the last three years to publish high quality, rigorously performed work. Our commitment to transparency and reproducibility has garnered outstanding publication that is reflected by year-over-year increases in impact factor. Our time to decision continues to decrease as well, ensuring your work does not linger with never ending revisions. We are excited about JVRs progress and hope you can tell a difference. As always, please feel free to contact Brant Isakson (brant@virginia.edu) about any suggestions for continuing our progress with JVR.