

ARTERY26

Innovations in vascular ageing

TRAINING SCHOOL

23 September 2026, Split



Training School

ARTERY26 · Innovations in Vascular Ageing

Hands-on training in vascular function, arterial haemodynamics and emerging technologies

23 September 2026 · University of Split School of Medicine · Split, Croatia



TRAINING SCHOOL FACULTY

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| <ul style="list-style-type: none">• Elisabetta Bianchini• Alessandro Giudici• Smriti Badhwar• Enrique Rodilla | <ul style="list-style-type: none">• Rosa Maria Bruno• Christopher Mayer• Ana Jerončić• Carolina Seabra• Rachel Climie |
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GOALS

- Provide small-group, hands-on experience with established and emerging methods for assessing vascular function and arterial ageing.
- Strengthen understanding of measurement principles, standardised protocols, measurement quality, common artefacts and interpretation.
- Explore the methodological strengths, limitations and potential clinical utility of the technologies used during the practical sessions.
- Link hands-on measurements to published evidence through expert-led journal-club discussion and critical appraisal.
- Encourage scientific exchange, discussion and networking between trainees, ARTERY faculty and scientists working with the technologies.

LOCATION

University of Split School of Medicine, Building B (ground floor and first floor), Split, Croatia

ARTERY26 Training School

Wednesday, 23 September 2026

University of Split School of Medicine, Split, Croatia; **Building B (ground floor and the first floor)**

Format: Participants are divided into small groups of 5–7 participants. Each group rotates through four 40-minute practical stations. **The schedule below is shown for Rotation Group 1; other groups will follow the same sessions in a different order.**

Each hands-on training session lasts 40 minutes. The practical sessions will start with a short introduction to the parameters being measured (10 min), followed by hands-on measurements, interpretation and discussion of special or challenging cases and potential artefacts.

The practical part will then be complemented by a critical discussion of selected published papers in a journal-club format with experts in the field. The papers will include both studies using the parameters measured during the practical sessions (case studies) and papers addressing the technologies themselves, including their methodological principles, strengths, limitations and interpretation.

ARTERY26 Training School · Morning programme

TIME	PROGRAMME
08:30 – 09:00	Welcome & Registration (Morning Programme) — Meet the Attendees, Building B Foyer
09:00 – 12:10	Practical workshops <i>4 rotating groups, 5–7 participants per group</i>
09:00 – 09:40	Hands-on training in a standardised pulse wave velocity (PWV) measurement protocol using the MESI mTABLET ABI (PWV app: baPWV, cfPWV, reference values, and arterial age assessment), including patient preparation and cuff placement. Selected measurement examples will be used to discuss measurement quality, common artefacts, and interpretation of results. Faculty: Dr. Sandrine Millasseau, MESI, France Session organised by MESI, Room: B103
09:40 – 09:45	<i>Room change</i>
09:45 – 10:25	Semi-automated vascular ultrasound imaging (UNEX EF38G Ultrasound System) Faculty: Dr. Smriti Badhwar, Université Paris Cité, France Session organised by Alf distributions, Room: B104
10:25 – 10:30	<i>Room change</i>
10:30 – 11:10	Software-assisted vascular ultrasound analysis for FMD and carotid ultrasound studies (FMD Studio & Carotid Studio by Quipu) Faculty: Dr. Elisabetta Bianchini, National Research Council, Institute of Clinical Physiology, Italy Session organised by Quipu, Room: B101
11:10 – 11:30	Coffee break — Foyer
11:30 – 12:10	Optical (light-based) assessment of micro- and macrocirculatory function and interactive device trial (HEMI and speckle-based prototype devices by the STIMULUS consortium) Introduction to the basic principles of the prototype devices, followed by hands-on testing and practical experience, using these devices as an example of how evidence can be collected to assess the clinical utility of a new product and support its implementation into clinical practice. Ethical, legal and societal aspects of the technology, essential for responsible translation of innovative medical technologies into clinical practice, will also be addressed. Faculty: Dr. Tuukka Panula and Dr. Inka Mustajoki, University of Turku, Finland; Dr. Esther Maas, IMEC, The Netherlands Session organised by STIMULUS consortium, Room: B102
12:10 – 12:15	<i>Transition to the joint session</i>
12:15 – 14:45	Expert journal club (joint session of the Morning & Afternoon programmes) <i>Critical discussion of studies behind the hands-on technologies · Room: B102</i>
12:15 – 13:00	Expert journal club I — studies behind the hands-on technologies (ARTERY faculty members: Alessandro Giudici, Rosa Maria Bruno, Elisabetta Bianchini, Christopher Mayer, Ana Jerončić)
13:00 – 14:00	Lunch — Foyer

14:00 – 14:45	Expert journal club II — studies behind the hands-on technologies (ARTERY faculty members: Alessandro Giudici, Rosa Maria Bruno, Elisabetta Bianchini, Christopher Mayer, Ana Jerončić)
18:00 – 18:45	Young Investigators' Meeting — Smriti Badhwar, Room: B102
20:30 – 23:00	Drinks, light bites & networking (Cellars of Diocletian's Palace) 📍 Obala Hrvatskog narodnog preporoda 1, Split (waterfront entrance)

ARTERY26 Training School · Afternoon programme

TIME	PROGRAMME
11:45 – 12:15	Welcome & Registration (Afternoon Programme) — Meet the Attendees, Building B Foyer
12:15 – 14:40	Expert journal club (joint session of the Morning & Afternoon programmes) <i>Critical discussion of studies behind the hands-on technologies, Room: B102</i>
12:15 – 13:00	Expert journal club I — studies behind the hands-on technologies (ARTERY faculty members: Alessandro Giudici, Rosa Maria Bruno, Elisabetta Bianchini, Christopher Mayer, Ana Jerončić)
13:00 – 14:00	Lunch — Foyer
14:00 – 14:45	Expert journal club II — studies behind the hands-on technologies (ARTERY faculty members: Alessandro Giudici, Rosa Maria Bruno, Elisabetta Bianchini, Christopher Mayer, Ana Jerončić)
14:45 – 18:05	Practical workshops <i>4 rotating groups, 5–7 participants per group</i>
14:45 – 14:50	<i>Transition to workshop rooms</i>
14:50 – 15:30	Hands-on training in a standardised pulse wave velocity (PWV) measurement protocol using the MESI mTABLET ABI (PWV app: baPWV, cfPWV, reference values, and arterial age assessment), including patient preparation and cuff placement. Selected measurement examples will be used to discuss measurement quality, common artefacts, and interpretation of results. Faculty: Dr. Sandrine Millasseau, MESI, France Session organised by MESI, Room: B103
15:30 – 15:35	<i>Room change</i>
15:35 – 16:15	Semi-automated vascular ultrasound imaging (UNEX EF38G Ultrasound System) Faculty: Dr. Smriti Badhwar, Université Paris Cité, France Session organised by Alf distributions, Room: B104
16:15 – 16:35	Coffee break — Foyer
16:35 – 17:15	Software-assisted vascular ultrasound analysis for FMD and carotid ultrasound studies (FMD Studio & Carotid Studio by Quipu) Faculty: Dr. Elisabetta Bianchini, National Research Council, Institute of Clinical Physiology, Italy Session organised by Quipu, Room: B101
17:15 – 17:20	<i>Room change</i>
17:20 – 18:00	Optical (light-based) assessment of micro- and macrocirculatory function and interactive device trial (HEMI and speckle-based prototype devices by the STIMULUS consortium) Introduction to the basic principles of the prototype devices, followed by hands-on testing and practical experience, using these devices as an example of how evidence can be collected to assess the clinical utility of a new product and support its implementation into clinical practice. Ethical, legal and societal aspects of the technology, essential for responsible translation of innovative medical technologies into clinical practice, will also be addressed. Faculty: Dr. Tuukka Panula and Dr. Inka Mustajoki, University of Turku, Finland; Dr. Esther Maas, IMEC, The Netherlands Session organised by STIMULUS consortium, Room: B102
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Industry Practical Workshops

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STIMULUS project University of Turku, Finland sites.utu.fi/stimulus/project  Yliopistonmäki FI-20014 Turku Finland	MESI, Ltd. mesimedical.com  Stegne 11a, 1000 Ljubljana, Slovenia