OCTOBER 17 - 19, 2019
STRASBOURG, FRANCE

11th European Symposium on Vascular Biomaterials

NEW ENDOVASCULAR TECHNOLOGIES | FROM BENCH TEST TO CLINICAL PRACTICE

2019 topics:
- Robotics, non-X-Ray guidance, and latest trends in per-operative imaging technologies
- Updates in endovascular surgery: aortic and peripheral
- Venous diseases
- 3D printing technologies in vascular surgery
- International research networks in vascular surgery
- The near future

Program Directors:
Nabil CHAKFÉ Strasbourg, France
Frédéric HEIM Mulhouse, France
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Wolfgang MEICHELBOECK (Director Emeritus) Pforzheim, Germany

Scientific Committee
Jean BISMUTH Houston, USA
Yannick GEORG Strasbourg, France
Ulf HEDIN Stockholm, Sweden
Jason T. LEE Stanford, USA
Anne LEJAY Strasbourg, France
Lars LÖNN Copenhagen, Denmark
Francesco MIGLIAVACCA Milan, Italy
Fabien THAVEAU Strasbourg, France
Santi TRIMARCHI Milan, Italy
Melina VEGA DE CENIGA Bizkaia, Spain

3 Day symposium:
Simulation bootcamp, translational research meeting, nurses in vascular surgery meeting, experts conferences

Get more information on: www.esvbj.net
The official language of the meeting is English
Eighteen years after the first edition of the European Symposium on Vascular Biomaterials, we are looking forward to celebrate with you its 10+1 edition. As a child growing and evolving into an adult, the ESVB evolved over the years to be a unique worldwide event in vascular surgery.

The ESVB is, since its creation, the expression of a strong vision: we cannot improve our knowledge without the multidisciplinary approach we believe necessary in the field of the development of new generation devices and technologies used in our specialty.

This new edition, celebrating the 11th anniversary will feature the followings:

- Wolfgang MEICHELBOECK, a cornerstone of our organization - now retired from his company - made the choice to step down from his function. He becomes de facto and forever, Director Emeritus of the ESVB, or in another word, one of our best friends.

- We grow our family and welcome new passionate colleagues to improve ESVB program. We welcome also a specific and high level organizing committee for a full-day translational research meeting.

- We will host once again trainees for a very exciting boot camp on endovascular simulation in the new premises of the GEPROVAS Vascular Surgery Simulation & Training Center.

- For the very first time, we will hold in parallel to the symposium a French full day event dedicated to vascular surgery nurses and technicians.

- A very important spotlight will be on startups and technical corner with the creation of a new dedicated area - the Innovation Hallway. Welcoming any companies looking for new ideas, new collaborations and projects, the Innovation Hallway will be the perfect place to connect physicians and research communities with the actors involved in the development of new technologies to improve patient care and safety.

- Fostering ideas and collaboration, the ESVB will exhibit for its first time a networking area.

- And finally, it will continue to be this simply place to share in a friendly atmosphere you acknowledge since the 1st edition.

Warm regards.

Nabil Chakfé, Frédéric Heim, Gert de BORST
The organizing committee

Goals of the meeting:
- In depth review of latest technologies
- Multidisciplinary approach
- Interactive platform
- Clinicians meet Researchers

The ESVB 2019 features:
- Bootcamp and satellite meetings
  - Endovascular and open simulation bootcamp
  - Nurses in Vascular Surgery Meeting
  - Translational research meeting
- Scientific & conference program
  - Expert lectures - Young Researcher Prize session
  - Take Home Message - Industry symposia
- Conference book / Social program
  - Satellite dinner - Congress dinner

New in 2019

Spotlights on the startups and technical companies with the Innovation Hallway - a bright and well-located area at the entry of the premises • A Vascular Surgery Nurses Meeting • A Translational Research Meeting • Bright and modern new premises including a gallery, an auditorium and spacious rooms • Special packages for residents, young researchers and students - including special events
Preliminary conference content:

Robotic, non-X-Ray guidance, and latest trends in per-operative imaging technologies
- Robotics in vascular surgery: Where do we stand and what do we need?
- Robotics in endovascular surgery: Where do we stand and what do we need?
- Imaging to predict carotid disease: Vascucap.
- Irradiation in cathlabs and operating theater, where the differences stand?
- Reducing radiation in vascular procedures. Intraoperative management.
- Reduction radiation in vascular procedures. MRI guidance.
- Robotics, non-X-Ray guidance, and latest trends in per-operative imaging technologies.
- Should MRI become the new gold-standard for vascular disease diagnosis and prognosis?

Updates in endovascular surgery:

Aortic
- Hemodynamic consequences of branched thoracic endografts in the arch.
- Hemodynamic consequences of branched thoraco-abdominal endografts in the visceral plaque.
- Future in functional imaging of the aortic wall.
- Calcifications in aortic pathologies.
- Can we compare aorto-iliac disease in eastern and western countries?
- Hemodynamic in EVAR iliac limbs.

Peripheral
- Pathology of Explanted peripheral artery analysis and role of calcification.
- Polymer braided stents technologies.
- Stent deformation in the superficial femoral artery.
- Paclitaxel embolization risk from drug-eluting balloons.
- Finite element simulations of popliteal stenting and knee bending following the analysis framework.
- Global Vascular Guidelines, connecting the proposed classifications to basic science knowledge.
- High frequency for plaques debulking.
- New technologies and trends on the last 2 years. A critical appraisal.
- Polymer braided stents technologies.
- Review on the different concepts of drug-eluting stents.

3D printing technologies in vascular surgery
- Effectiveness of 3D printed models in the treatment of complex aortic diseases.
- 3D-printed PCL/PLA composite stents.
- Industrial requirements in 3D printing.
- Why do we propose pre-operative training on 3D printed models?
- From ideas to long-term studies: 3D printing clinical trials review.
- Bioinks in 3D-printing.
- 3D cells printing.
- Design of a pulsatile fresh frozen human cadaver circulation model for endovascular training.

International research networks in vascular surgery
- GEPROVAS, an international collaborative network for explants analysis.
- Explants analysis, the company point of view.
- The ECAA registry.
- The VASCUNET registry.
- The SOFA Consortium, an open-source software platform for medical simulation.
- DATAVASC, an example of national registry.

The near future
- What can physicians expect from deep learning in daily practice.
- Metabolomics toward a personalized therapy in vascular diseases.
- Toward a patient-specific tissue engineered vascular graft.
- Machine learning in clinical decision-making for abdominal aortic aneurysms.
- Non-woven melt blown vs electrospun textiles: the battle.
- New polymers for better devices.
- Tissue engineered vessels: the collagen layers, the gel approach, the fibrous scaffolds.

Journée des infirmières / Nurses in Vascular Surgery Meeting (En français) / (This event will be held in French.)

- La consultation infirmière en chirurgie vasculaire / Nurse consultation in vascular surgery
- Radioprotection au bloc / Radiation protection in OR
- Surveillance post op des anévrismes de l’aorte abdominale / Follow-up of the operated abdominal aortic aneurysms
- Spécificités de l’infirmière de bloc en chirurgie vasculaire / Vascular surgery OR nurses’ uniqueness
- Prélèvement veineux par voie endo en vue d’un pontage / Endoscopic vein harvesting for artery bypass grafting
- La formation infirmière en chirurgie vasculaire : les offres / Nursing training in vascular surgery: training opportunities

Preliminary Speakers:

Eneko AXPE - Cambridge, UK • Cameron BEST - Colombus, USA • Jean BISMUTH - Houston, USA • Stephen BLACK - London, UK • Nicolas BLANCHENAIN - Lille, France • Gert de BORST - Utrecht, The Netherlands • Gaetan BROCHU - Québec, Canada • Nabil CHAIKE - Strasbourg, France • Sean CHAMBERS - Bloomington, USA • Claudio CHIARISTA - Milano, Italy • Joaquim CIURANA - Girona, Spain • Michele CONTI - Pavia, Italy • Raphael COSSAC - Boulogne, France • John DALY - Falgstaff, USA • Philippe KOHL - Liège, Belgium • Jason T. LEE - Stanford, USA • Anne LEJAY - Strasbourg, France • Elizabeth LOBOA - Columbia, USA • Lars LONN - Copenhagen, Denmark • Wolfgang MEICHLENBOECK - Petenried, Germany • Francesco MIGLIACCA - Milano, Italy • Hakon ROOS - Gothenburg Sweden • Prakash SAHA - London, UK • Paul SANDBERGER - Toronto, Canada • Adelina SCHWEIN - Strasbourg, France • Anhthai SMITS - Eindhoven, The Netherlands • Hugo TALBOT - Strasbourg, France • Hendrik von TENISKOUBIK - Basel, Switzerland • Jörg TESSAREK - Lingen, Germany • Fabien THAYEU - Strasbourg, France • Santi TRIMARCHI - Milano, Italy • Robert TRAMUNAVICIUS - Minneapolis, USA • José VAN HERWAARDEN - Utrecht, The Netherlands • Melina VEGA DE CENICA - Bilbao, Spain • Tenu YURMANI - Gathebsurg, USA • Lu WANG - Shangai, China • Jan WITOWSKI - Krakow, Poland • Xiao Yun XU - London, UK
**Booking information**  Registration offers (prices are VAT included)

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<tr>
<th>ESVB Conference</th>
<th>Early-bird registration (before August 15, 2019)</th>
<th>Late registration (after August 15, 2019)</th>
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<tr>
<td>ESVB sponsor extra-badge</td>
<td>1-day pass: 250 €</td>
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<td>2-day pass: 400 €</td>
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<tr>
<td>Vascular surgeon Interventional radiologist Company participants</td>
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<td>Scientists Medical physicians</td>
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<td>Trainees &amp; Para-medical staff</td>
<td>2-day pass: 250 €</td>
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**Satellite day**  ("Endovascular and open simulation bootcamp" or "Translational research meeting")

| All participants | Full-day workshop: 100 € | 150 € |
| Journée des infirmières | journée en français: 85 € | 105 € |

**All-inclusive package**

| ESVB package Trainees (Resident, Fellows, PhD student) | 2-day pass: 550 € | 600 € |
| 2-night in city center | 1 congress dinner |

| Satellite & ESVB package Trainees (Resident, Fellows, PhD student) | 3-day pass: 650 € | 700 € |
| 3-night in city center | 1 satellite dinner | 1 congress dinner |

| Congress dinner | 60 € | 60 € |

**Location of the Symposium**

ESVB 2019 will welcome you at the « Palais de la Musique et des Congrès » of Strasbourg. 
PMC Place de Bordeaux - Wacken, Strasbourg

[www.strasbourg-events.com](http://www.strasbourg-events.com)

**Contact information**

GEPROVAS & Strasbourg Evenement will be pleased to help you organize your participation and stay.

**Congress organization**

**Nathalie Couvreur**, GEPROVAS  
Congress Manager  
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Unless stated otherwise, the official language of the symposium is English.

**For more information, please visit us at:**

[www.esvb.net](http://www.esvb.net)

**Registration & accommodation**

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[www.strasbourg-events.com](http://www.strasbourg-events.com)

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