

1st Announcement

OCTOBER 17-19, 2019

STRASBOURG, FRANCE



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) Pentenried, 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.esvb.net

The official language of the meeting is English



OCTOBER 17 - 19, 2019 | STRASBOURG, FRANCE

esvb 2019

11th european symposium on vascular biomaterials

NEW ENDOVASCULAR TECHNOLOGIES | FROM BENCH TEST TO CLINICAL PRACTICE

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 a 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:

Robotics, 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. Electromagnetic tracking.
- ▶ 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.

- ▶ SFA Hemodynamics: state of the art and future trends.
- ▶ Polymer braided stents technologies.
- ▶ Oversizing and effect on restenosis.

Venous diseases

- ▶ State of the art on animal models for deep venous thrombosis.
- ▶ Mechanical characteristics of venous stents.
- ▶ Optimal design of prosthetic venous valves.
- ▶ IVUS versus venogram for central venous occlusive disease.
- ▶ Venous Imaging for aging of venous thrombosis.

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.


Preliminary Speakers:

Eneko AXPE - Cambridge, UK • Cameron BEST - Columbus, USA • Jean BISMUTH - Houston, USA • Stephen BLACK - London, UK • Nicolas BLANCHERMAIN - Lille, France
 Gert de BORST - Utrecht, The Netherlands • Gaetan BROCHU - Québec, Canada • Nabil CHAKFE - Strasbourg, France • Sean CHAMBERS - Bloomington, USA • Claudio CHIASTRA - Milano, Italy • Joaquim CIURANA - Girona, Spain • Michele CONTI - Pavia, Italy • Raphael COSCAS - Boulogne, France • John DALY - Falgstaff, USA
 Pascal DE TULLIO - Liège, Belgium • Vincenzo FERRARI - Pisa, Italy • Alberto FIGUEROA - Ann Arbor, USA • Alice FINOTELLO - Genoa, Italy • Yannick GEORG - Strasbourg, France • Olivier GOEAU-BRISSEONNIERE - Boulogne, France • Ulf HEDIN - Stockholm, Sweden • Frédéric HEIM - Mulhouse, France • Adrien HERTAULT - Valenciennes France
 Stephan JOCKENHOEVEL - Aachen, Germany • JinHyun JOH - Seoul, Korea • Pim de JONG - Utrecht, The Netherlands • Soo Hyun KIM - Seoul, Korea • Xiang LI - Vienna, Austria • Philippe KOLH - Liège, Belgium • Jason T. LEE - Stanford, USA • Anne LEJAY - Strasbourg, France • Elizabeth LOBOA - Colombia, USA • Lars LONN - Copenhagen, Denmark • Wolfgang MEICHELBOECK - Petenried, Germany • Francesco MIGLIAVACCA - Milano, Italy • Hakan ROOS - Gothenburg Sweden • Prakash SAHA - London, UK • Paul SANTERRE - Toronto, Canada • Adeline SCHWEIN - Strasbourg, France • Anithal SMITS - Eindhoven, The Netherlands • Hugo TALBOT - Strasbourg, France
 Hendrik von TENGG-KOBLIGK - Basel, Switzerland • Jörg TESSAREK - Lingen, Germany • Fabien THAVEAU - Strasbourg, France • Santi TRIMARCHI - Milano, Italy • Robert TRANQUILLO - Minneapolis, USA • Jost VAN HERWAARDEN - Utrecht, The Netherlands • Melina VEGA DE CENIGA - Bizkaia, Spain • Renu VIRMANI - Gaitherburg, USA
 Lu WANG - Shanghai, China • Jan WITOWSKI - Krakow, Poland • Xiao Yun XU - London, UK

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

Booking information Registration offers (prices are VAT included)

ESVB Conference		Early-bird registration (before August 15, 2019)	Late registration (after August 15, 2019)
ESVB sponsor extra-badge	1-day pass	250 €	350 €
	2-day pass	400 €	500 €
Vascular surgeon Interventional radiologist Company participants	2-day pass	600 €	700 €
Scientists Medical physicians	2-day pass	350 €	450 €
Trainees & Para-medical staff	2-day pass	250 €	300 €
Satellite day ("Endovascular and open simulation bootcamp" or "Translational research meeting")			
All participants	Full-day workshop	100 €	150 €
Journée des infirmières 			
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

Contact information

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

Congress organization

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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

G E P R O V A S

Groupe Européen de Recherche sur les Prothèses
Appliquées à la Chirurgie Vasculaire

Registration & accommodation

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