

# ISACB Bordeaux 2018

Bordeaux, France SEPTEMBER 16-19, 2018

We are excited to bring the International Society of Applied Cardiovascular Biology (ISACB) Biennial meeting back to Europe in 2018! The meeting will be held at the Palais de la Bourse in the historic downtown of Bordeaux, France from Sunday, September 16 through Wednesday 19, 2018.

The ISACB is devoted to enhancing discovery, development and clinical translation of cutting edge biomedical science for innovative, state of the art cardiovascular diagnostic and therapeutics. This is a unique society that brings together the best clinicians, engineers, and scientists from academia and industry with a mix of junior and senior investigators and trainees.

ISACB currently has members throughout North America, South America, Europe, Asia and Africa. This edition of the meeting will be particularly Euro-centric and will bring together the thought leaders from most EU countries.

<http://isacb.org>

---

## Scientific Program: (7 Sessions, 12 Keynotes, 28 Orals and Posters)

---

### OPENING KEYNOTE

**Laura Niklason** (Yale University, USA)

*“Biological Response to Acellular Engineered Dialysis Conduits”*

### 1. NEXT GENERATION VASCULAR GRAFTS.

**Toshiharu Shinoka** (Nationwide Children Hospital, Ohio, USA)

*“Toward next generation of tissue engineered vascular grafts for pediatric heart surgery”*

**Nicolas L’Heureux** (Université de Bordeaux)

*“Tissue engineering a completely biological and human vessel”.*

### 2. BIOMECHANICS IN VASCULAR BIOLOGY AND CARDIOVASCULAR DISEASE .

(sponsored by the international symposium: biomechanics in vascular biology and cardiovascular disease (BVBCD))

**Jolanda Wentzel** (Erasmus Medical Center, Rotterdam, The Netherland)

*“The role of shear stress in atherosclerotic plaque progression and destabilization in coronary arteries”*

### 3. ATHEROSCLEROSIS, ARTERIAL REMODELING AND ANEURYSM

(in collaboration with the Japanese Circulation Society)

**The Alexander Clowes Lecture: Peter Libby** (Brigham and Women's Hospital and Harvard Medical School)

*"Inflammation in Atherosclerosis: a Translational Tale from Test Tube to Trial."*  
**Issei Komuro** (University of Tokyo)-(JCS)  
*"Novel Mechanisms and Treatments for Atherosclerosis and Aortic Aneurysm."*

#### **4. CELL-BASED AND OTHER BIOLOGICAL CARDIOVASCULAR THERAPIES.**

**Phillipe Menasché** (Hôpital Européen Georges Pompidou, Paris)  
*"Pluripotent stem cells in the clinics: the ESCORT trial and beyond"*

#### **5. INFECTION AND VASCULAR BIOMATERIALS.**

**Andrej Trampuz** (The Charité – Universitätsmedizin Berlin)  
*"Management of vascular prosthesis infection: Current standards and future challenges"*

#### **6. CURING HEART VALVE DISEASE: MERGING CLINICAL, BIOLOGICAL AND ENGINEERING PERSPECTIVES.**

**Simon Hoerstrup** (University of Zurich, Switzerland)  
*"Heart valve tissue engineering: Challenges and future outlook"*  
**Hanneke Takkenberg**, (Erasmus University, Rotterdam, Netherlands)  
*"What is the added value of TE heart valves? Physician, patient and societal perspective"*

#### **7. APPLIED CARDIOVASCULAR BIOLOGY IN INDUSTRY: TRANSLATING INNOVATION INTO NEW PATIENT THERAPIES.**

**Christian Latrémouille** (CARMAT S.A., France / Hôpital Européen Georges Pompidou, Paris)  
*"Total Carmat bioprosthesis artificial heart, where do we come from and where we are?"*  
**Martijn Cox** (XELTIS B.V., Eindhoven, The Netherlands)  
*"Restorative heart valves: towards clinical application"*

---

**28 Oral presentations will be selected from the submitted abstracts**

---

#### **The Allen D. Callow, M.D., Ph.D., Young Investigator Awards**

In memory of this vascular pioneer  
and founding member of the ISACB:

2 Best Oral presentation awards: \$US 1000

---

## The IdEx Awards

The Initiatives in Excellence (IdEx) is a very selective national program that awarded an excellence fund to the Université de Bordeaux. The IdEx sponsors a Flash Poster Presentation Competition.

All 6 competitors will receive a free Gala ticket  
3 Best presentation awards: 500 €, 250 €, and 200 €

## The BIOMAT Travel Award

The BIOMAT Society (French Association for the Development of Biomaterials, Tissue Engineering, and Regenerative Medicine – <http://www.biomat.fr>) is proud to promote the participation of young scientists to this prestigious international conference.

The winner will receive a prize of 500 €

---

## Social Program

---

The ISACB meetings are renowned for their friendly and intimate atmospheres that are particularly suited to develop discussions on scientific issues, new ideas, future collaborations and, most of all, establish new friendships across generations and specialties. To facilitate this process, we propose a fun social program that could only be the beginning (or the end) of a longer stay in this fabulous region: warm welcome reception, a fun afternoon spent exploring the fabulous Saint-Émilion région, an official visit at the historic City Hall, and a beautiful Gala evening in an actual wine-producing châteaux.

Come and join us! 2018 will be a very good year!!

*Elena Aikawa, MD, PhD* and *Nicolas L'Heureux, PhD*  
ISACB President ISACB 2018, Meeting Chair

On behalf of the Program Committee and the Local Organizers