

Dear Colleagues,

We are pleased to invite you to attend this meeting on Vascular Aging. Populations are aging worldwide and the number of older adults is projected to double over the next few decades, and we are ill-equipped to handle the attendant health care burden. Vascular aging process appears as the principal determinants of the health of elderly people and the main risk factor for the development of cardio-neuro-vascular diseases, as well as cognitive impairment, retinal disease and many other organ failures. It is now time to gather the research community interested in addressing this complex question through a transdisciplinary approach.

The research complementarity of the VIVA Thematic Action of the University of Bordeaux \* and the LIAC\* community allow for the implementation of an international meeting that aims to gather high-level specialists that come from different disciplines (biophysics, biochemistry, genetics, cell and molecular biology, tissue engineering, physiopathology, epidemiology and clinic), to synthesize the most recent advance in vascular aging.

Moreover, we want to take advantage of this meeting to set up a winter school to offer to young scientists a unique opportunity to present their work, to meet, and exchange with top international scientists and clinicians in the field.

Presentations concerning all aspects of vascular aging are welcome.

Looking forward meeting you in Bordeaux  
Sincerely,

Thierry Couffignal & Alain-Pierre Gadeau

<https://viva.u-bordeaux.fr/>  
<http://www.liac-association.org>

## **Day 1: Wednesday, November 29<sup>th</sup>**

### **Clinical and epidemiologic aspect of vascular aging**

#### **Early vascular aging**

P.M. NILSSON, Malmö – Sweden

#### **Neurovascular epidemiology of aging**

C. TZOURIO, Bordeaux

#### **Cardiovascular epidemiology of aging**

P. BOUTOUYRIE, Paris

#### **Neurovascular genetic epidemiology**

S. DEBETTE, Bordeaux

#### **Vascular and thrombosis genetic epidemiology**

D. TREGOUET, Paris

#### **Forecasted trends in disability and life expectancy**

M. GUZMAN-CASTILLO, Liverpool, UK

### **Evening philosophical conference Antonio-Mario Tamburro**

**When does the vascular system age and when is there a disease? Conceptual and theoretical issues**

M. LEMOINE, Tours

## **Day 2: Thursday, November 30<sup>th</sup>**

### **Pathophysiologic features of vascular aging**

#### **From physiological aging to pathological aging**

J.B. MICHEL, Paris

#### **Title TBD**

C. BETSHOLTZ, Stockholm – Sweden

#### **Vascular degeneration**

P. LACOLLEY, Nancy

#### **Physiological models to study the human microcirculation**

L. MONTEIRO-RODRIGUES, Lisbon – Portugal

#### **Murine models for investigating vascular ageing**

G. FAURY, Grenoble

#### **Thrombosis in aging**

C. JAMES, Bordeaux

### **Retinal vascular imaging**

C. HELMER, Bordeaux

### **Matrix structural and mechanical studies**

**Model of pseudoxanthoma elasticum – Vascular calcification and aging, from gene to bedside.**

L. MARTIN, G. LEFTHERIOTIS, Angers

**Vascular aging: structure and dynamics of constitutive macromolecules and sub-fragments**

C. LACABANNE, Toulouse

**Elastic fibers and amyloid deposition in vascular tissue**

B. BOCHICCHIO, Potenza - Italy

**Bioprosthetic heart valve aging deterioration and age-related benefits**

M. SPINA, Padova- Italy

**Elastin modification during vascular aging and pathophysiological consequences**

L. DUCA, Reims

**Aging of vascular extracellular matrix and changes in vessel function**

R. MECHAM, St. Louis - USA

## **Day 3: Friday, December 1<sup>st</sup>**

### **Cell biology and signaling**

#### **A short history of the vessel**

A. BIKFALVI, Bordeaux

#### **Cell senescence and telomere**

E. GILSON, Nice

**Estrogens as vascular anti-ageing hormones? Experimental and clinical evidences and uncertainties**

J.F. ARNAL, Toulouse

#### **Arteriolar and microcirculation aging**

D. HENRION, Angers

#### **Oxydation and inflammation in Atherosclerosis**

A. LEPEDDA, Italy

## Fees

### Registration

<http://viva-liac2017.sciencesconf.org>

### Meeting early registration (< 2017/10/15)

390 euros (Gala dinner included)

### Meeting late registration (> 2017/10/15)

490 euros (Gala dinner included)

### VIVA School registration (< 35 yrs)

550 euros (including accommodation in double bed room and Gala dinner)

## Call for Abstracts

### Call for Abstract deadline October 15<sup>th</sup>

A set of abstracts will be selected for short and flash oral presentations and discuss with experts

### Submission site

<http://viva-liac2017.sciencesconf.org>

### All presentations will be done in English language

\*The Cross-cutting Thematic Action "VIVA", for Vascular Aging, was created in 2015 by the University of Bordeaux to promote interdisciplinary initiatives.

\*LIAC (Latinorum Investigatorum de Arteriis Colloquium) is an international working group devoted to improving the quality of basic and applied research in all areas of vascular biology.

## Organizers

Alain-Pierre Gadeau & Thierry Couffinalh

## Scientific committees

University of Bordeaux VIVA Thematic Action  
LIAC

## School and meeting location

Legal and judicial pole of Bordeaux University  
- Pey Berland, Bordeaux

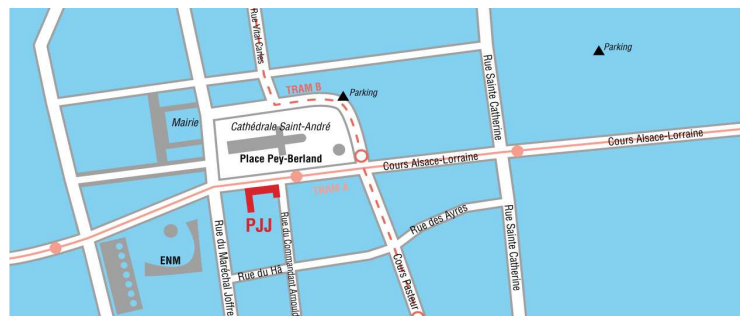
### To Come

#### From Bordeaux Saint-Jean train station

- ☞ Taxi: permanent service in the arrivals area
- ☞ Tram: take the tram C (direction "Les Aubiers")
- ☞ get off at stop "Porte de Bourgogne",
- ☞ take the tram A (direction "Mérignac"),
- ☞ get off at stop "Hôtel de ville" (total duration: 20 mn).

#### From Bordeaux-Mérignac airport

- ☞ Taxi
- ☞ Bus and Tram: take the line "liane 1" until "Gambetta"
- ☞ join the street "rue Vital Carles" and,
- ☞ take the tram B at stop "Gambetta" (direction "Pessac")

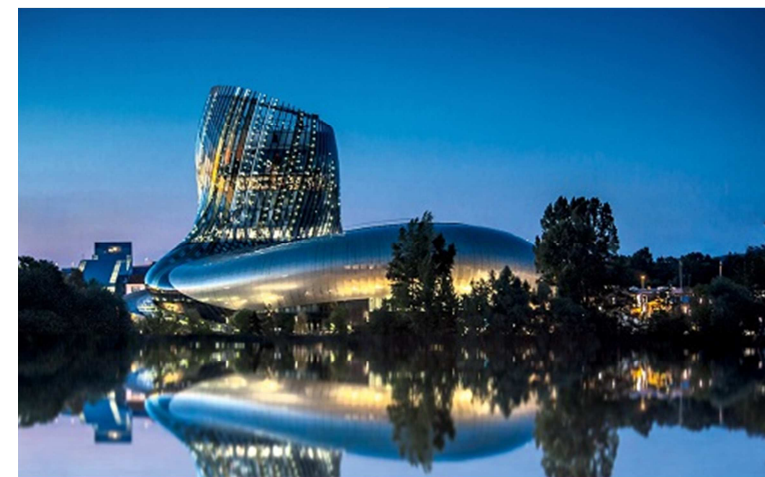


## MULTIPLE ASPECTS OF VASCULAR AGING

Preprogram

Nov. 29<sup>th</sup> - Dec. 1<sup>st</sup>, 2017  
Bordeaux, France

<http://viva-liac2017.sciencesconf.org>



## Multiple Aspects of Vascular Aging

Bordeaux VIVA Winter School  
XXXIII LIAC Meeting



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