

October 4th, 2018

ENDOTHELIUM, FROM DEVELOPMENT TO PATHOLOGY

Amphithéâtre Buffon
15, rue Hélène Brion, Paris 13^e

Program

08:55 - 09:00 AM

Welcome of participants

SESSION DEVELOPMENT & ANGIOGENESIS

Chair: Françoise DIGNAT-GEORGE, Marseille and Stéphane GERMAIN, Paris

09:00 - 09:25 AM

Vascular patterning in development and disease

Anne EICHMANN, Paris

09:25 - 09:50 AM

Importance of planar cell polarity in endothelial functions

Thierry COUFFINHAL, Bordeaux

09:50 - 10:15 AM

Microenvironment remodeling and angiogenesis

Laurent MULLER, Paris

10:15 - 10:40 AM

Role of extracellular vesicles in the transfer on senescence in the vascular system - Françoise DIGNAT-GEORGE, Marseille

10:40 - 11:00 AM

Coffee break

11:00 - 11:45 AM

CONFERENCE

Chair: Anne BOULOUMIE, Toulouse and Alain TEDGUI, Paris

VEGF, aging, and vascular stem cell niches - Eli KESHET, Jerusalem

SESSION ENDOTHELIAL BIOLOGY, MECHANOTRANSDUCTION

Chair: Anne BOULOUMIE, Toulouse and Alain TEDGUI, Paris

11:45 - 12:10 PM

Mechanotransduction in the developing cardiovascular network

Julien VERMOT, Strasbourg

12:10 - 12:25 PM

Role of Shear Stress during Vascular Remodeling

Anne-Clémence VION, Berlin

12:25 - 12:40 PM

Endothelial primary cilium: a forgotten organelle to control atherosclerosis development - Stéphanie GAYRAL, Toulouse

12:40 - 01:05 PM

Resistance arteries mechanotransduction in the control of local blood flow - Daniel HENRION, Angers

01:05 - 02:00 PM

Lunch time

SESSION HORMONAL AND METABOLIC REGULATIONS

Chair: Anne EICHMANN, Paris, and Jean-François ARNAL, Toulouse

- 02:00 - 02:25 PM **Endothelium as a major target of estrogen actions**
Françoise LENFANT, Toulouse
- 02:25 - 02:50 PM **Fatty acid handling in adipose tissue microvascular endothelial cells**
Anne BOULOUMIE, Toulouse
- 02:50 - 03:15 PM **Defective autophagy in liver sinusoidal endothelial cells promotes NASH** - Pierre-Emmanuel RAUTOU, Paris
- 03:15 - 03:40 PM **Endothelial/podocyte crosstalk in glomerulosclerosis**
Olivia LENOIR, Paris
- 03:40 - 04:05 PM **sEH: a Janus-faced enzyme with new unsuspected cardiometabolic properties** - Jeremy BELLIEEN, Rouen
- 04:05 - 04:30 PM Coffee break

SESSION ENDOTHELIAL PATHOLOGY

Chair: Chantal BOULANGER, Paris and Vincent RICHARD, Rouen

- 04:30 - 04:55 PM **Endothelial cells in Immunity, Inflammation and Cancer**
Jean Philippe GIRARD, Toulouse
- 04:55 - 05:20 PM **Invasive meningococcal disease: a disease of the endothelial cells**
Sandrine BOURDOULOUS, Paris
- 05:20 - 05:45 PM **Endothelial to mesenchymal transition in pulmonary hypertension**
Frédéric PERROS, Le Plessis-Robinson
- 05:45 PM Meeting Ends