

WEDNESDAY, OCTOBER 4, 2017

Welcome reception

18:00–20:00 Carolinum Hall, Charles University, Ovocný trh 5, Prague 1

THURSDAY, OCTOBER 5, 2017

08:15–08:30 **Opening ceremony**

08:30–10:00 **Symposium I**

Endothelin signaling and mechanisms of endothelin action

Chairs: Pedro D'Orleans-Juste, Augusto C. Montezano

08:30–09:00 **Key note lecture**

Pharmacology of endothelin receptors: prospects for the next decade

Speaker: Anthony P. Davenport, University of Cambridge, UK

10:00–10:30 **Coffee break**

10:30–12:00 **Symposium II**

Pharmacology, new drugs and drug interactions

Chairs: Janet Maguire, Anil Gulati

10:30–11:00 **Key note lecture**

Pharmacological interventions targeting the endothelin pathway: the status quo and future perspective

Speaker: Noriaki Emoto, Kobe University, Japan

12:00–12:15 **ET-15 Conference group photography**

12:15–13:00 **Lunch**

13:00–14:00 **Moderated poster session I**

Moderators: Matthias Barton, Anthony P. Davenport, Pedro D'Orleans-Juste, Pavel Jansa

14:00–15:30 **Symposium III**

Physiology and pathophysiology of cardiovascular function

Chairs: Noriaki Emoto, Pavel Jansa

14:00–14:30 **Key note lecture**
Mas and ET_BR – a New Partnership in Vascular Pathobiology
Speaker: Augusto C. Montezano, University of Glasgow, UK

15:30–16:00 **Coffee break**

16:00–17:30 **Symposium IV**
Pulmonary function and pulmonary hypertension
Chairs: Martine Clozel, Rita Tostes

16:00–16:30 **Key note lecture**
Advances in pathophysiology and treatment of chronic pulmonary hypertension
Speaker: Pavel Jansa, Charles University, Czech Republic

18:30–21:30 **Young investigator event**

FRIDAY, OCTOBER 6, 2017

8:30–10:00 **Symposium V**
Metabolism, diabetes, metabolic syndrome and obesity
Chairs: John Pernow, Carmine Cardillo

8:30–8:55 **Invited lecture**
Bitter taste of diabetic complications: endothelin
Speaker: Adviye Ergul, Augusta University, USA

8:55–9:20 **Invited lecture**
Novel aspects on metabolism and hypertension
– the nitrate-nitrite-NO pathway
Speaker: Eddie Weitzberg, Karolinska Institutet, Sweden

10:05–10:30 **Coffee break**

10:30–12:05 **Symposium VI**
Physiology and pathophysiology of renal function
Chairs: Neeraj Dhaun, Ivana Vaněčková

- 10:30–10:55** **Invited lecture**
Endothelin receptor antagonism and kidney disease
Speaker: Donald E. Kohan, University of Utah, USA
- 10:55–11:20** **Invited lecture**
Endothelin and the kidney clock
Speaker: David M. Pollock, University of Alabama, USA
- 12:05–13:00** **Lunch**
- 13:00–14:00** **Moderated poster session II**
Moderators: Ariela Benigni, Carmine Cardillo,
Marilena Loizidou, Bambang Widiantoro
- 14:00–15:30** **Symposium VII**
Sex differences in physiology and disease
Chairs: Jennifer S. Pollock, Hiromi Yanagisawa
- 14:00–14:30** **Key note lecture**
The interplay between endothelin-1 and testosterone
in the activation of the immune system
Speaker: Rita C. Tostes, University of Sao Paulo, Brazil
- 15:15–15:45** **Coffee break**
- 15:45–17:15** **Symposium VIII**
Neurophysiology, neurobiology, CNS disorders
Chairs: Adviyee Ergul, Radko Komers
- 15:45–16:15** **Key note lecture**
ETB receptors agonist, IRL-1620, for the treatment
of CNS disorders
Speaker: Anil Gulati, Midwestern University, USA
- 16:30–17:00** **The British Pharmacological Society**
Distinguished lecture
A genetic variant associated with five vascular diseases
is a distal regulator of endothelin-1 expression
Speaker: Rajat M. Gupta, Harvard Medical School, USA
- 19:30–22:00** **Gala evening**

SATURDAY, OCTOBER 7, 2017

- 8:30–10:00** **Symposium IX**
Immune system and inflammation
Chairs: Ariela Benigni, Josef Zicha
- 8:30–9:00** **Key note lecture**
Immune mechanisms in hypertension
Speaker: Ernesto L. Schiffrin, McGill University, Canada
- 9:35–10:00** **Coffee break**
- 10:00–11:30** **Symposium X**
Cancer and metastasis
Chairs: Laura Rosano, Marilena Loizidou
- 10:00–10:30** **Key note lecture**
Targeting ET-1 receptor/ β -arrestin1 signaling circuit in ovarian cancer treatment
Speaker: Anna Bagnato, Regina Elena National Cancer Institute, Italy
- 11:30–12:30** **Lunch**
- 12:30–14:00** **Symposium XI**
Role of endothelin in selected diseases
Chairs: David M. Pollock, Pierre-Louis Tharaux
- 12:30–13:00** **Key note lecture**
Balloon angioplasty and endothelin
Speaker: Matthias Barton, University of Zurich, Switzerland
- 14:00–14:30** **Coffee break**
- 14:30–16:00** **Symposium XII**
Endothelin receptor antagonists in clinical trials
Chairs: David J. Webb, Věra Čertíková Chábová

14:30–14:55

Invited lecture

From endothelin research to drugs

Speaker: Martine Clozel, Idorsia Pharmaceutical Ltd., Allschwil, Switzerland

14:55–15:20

Invited lecture

Dual angiotensin II (Ang II) AT1 and endothelin (ET) type A receptor inhibition with sparsentan in primary focal segmental glomerulosclerosis (FSGS): DUET trial

Speaker: Radko Komers, Retrophin, USA

15:20–15:45

Invited lecture

Endothelin antagonists in the treatment of diabetic nephropathy – an update

Speaker: Vladimír Tesař, Charles University, Czech Republic

15:45–16:00

Awards

16:00–16:30

Concluding remarks

Masashi Yanagisawa, University of Tsukuba, Japan