

DAY 1 – March 4th

- 08:30-09:00 a.m. **Teresa M. Seccia and Gian Paolo Rossi (Padua)**
Welcome and Introduction to the Winter School
- 09:00-09:30 a.m. **Gian Paolo Rossi (Padua)**. *A historical appraisal of essential hypertension*
- 09:30-10:00 a.m. **Christina Zennaro (Paris)**. *Machine learning for classification of hypertension subtypes*
- 10:00-11:00 a.m. Round Table Discussion
Why a European School on Hypertension is an urgent need
Gian Paolo Rossi (Padua)
Thomas Unger (Maastricht)
Ana Briones (Madrid)
Christian Delles (Glasgow)
Cristina Zennaro (Paris)
Matthias Barton (Zurich)
Teresa M. Seccia (Padua)
- 04:30-05:00 p.m. **Thomas Unger (Maastricht)**. *Mindshift in Pathology – About Undercurrents and Nodal Points*
- 05:00-05:30 p.m. **Giulio Ceolotto (Padua)**. *Single cell analysis*

DAY 2 – March 5th

- 08:00-08:30 a.m. **Peter J. Fuller (Clayton, VIC)**. *Mineralocorticoid receptor signalling in primary aldosteronism*
- 08:30-09:00 a.m. **Jordi Heijman (Graz)**. *Inflammation: a common mechanism of atrial fibrillation in diseases*
- 09:00-09:30 a.m. **Matthias Barton (Zurich)**. *Endothelin in coronary artery diseases*
- 05:00-05:30 p.m. **Celso Gomez-Sanchez (Mississippi, MS)**. *Immunochemical techniques as investigative tools in arterial hypertension*
- 05:30-06:00 p.m. **Chiara Zanon (Padua)**. *Clinical case and discussion*
- 06:00-06:30 p.m. **Giovanni Pintus (Padua)**. *Clinical case and discussion*
- 06:30-07:00 p.m. **Jose R. Romero (Boston, MA)**. *Striatin and salt sensitive blood pressure*

DAY 3 – March 6th

- 08:30-09:00 a.m. **Ana Briones (Madrid)**. *Resolution of inflammation as therapeutic strategy in obesity and hypertension*
- 09:00-09:30 a.m. **Ariela Benigni (Bergamo)**. *The endothelial glycocalyx: a target for vascular protection*

- 09:30-10:00 a.m. **Ildiko Szabo (Padua)**. *Mitochondrial ion channels: what can be useful for hypertensiologist*
- 10:00-10:30 a.m. **Stefano Masi (Pisa)**. *Macro and microvascular ageing: from bench to bedside*
- 04:00-04:30 p.m. **Rosario Rizzuto (Padua)**. *The mRNA technology revolution in Medicine*
- 04:30-05:00 p.m. **Jan Danser (Rotterdam)**. *Angiotensinogen siRNA treatment of hypertension: a lesson in RAS physiology*
- 05:00-06:00 p.m. Tea time. A cup of tea with old and new ARHYVAB PhD students
Meeting with
Paul Emmanuel Vanderriele (Lausanne)
Tunga Shajia (Ulaanbaatar, Mongolia)
Rui Zhu (Chengdu, China)
Maniselman Kuppusamy (Charlottesville, VA)

DAY 4 – March 7th

- 09:00-09:30 a.m. **Helge Wiig (Bergen)**. *Lymphangiogenesis and salt in hypertension*
- 09:30-10:00 a.m. **Christian Delles (Glasgow)**. *Preeclampsia and its long-term consequences*
- 10:00-10:30 a.m. **Lorenzo Calò (Padua)**. *Renal damage in arterial hypertension*
- 10:30-11:15 a.m. **Dario Gregori (Padua)**. *Artificial Intelligence: an undecipherable black box or is it possible to have a glimpse inside it?*
- 05:00-05:30 p.m. Meet the expert from industry
Thorarinn Gudjonsson (Iceland). *Enhancing epithelial barrier integrity as a novel approach to treating inflammatory lung diseases*
- 05:30-06:00 p.m. **Martine Clozel (Allschwil)**. *Targeting the Endothelin System in Hypertension*
- 06.00–08.00 p.m. Terza missione
Meeting and aperitif with the citizens of Brixen (Italian and German languages)

DAY 5 – March 8th

- 08.30–09.00 a.m. **Andrea Cignarella (Padua)**. *The new antihypertensive drugs*
- 09.00-09.30 a.m. **Brasilina Caroccia (Padua)**. *New approaches in cell transfection*
- 09.30–10.00 a.m. **Domenico Bagordo (Padua)**. *Clinical case and discussion*
- 10.30– 11.30 a.m. Examination test
- 11.30–11.45 a.m. **Teresa M. Seccia and Gian Paolo Rossi**
Closing session and adjourn