

2025 Winter School in Arterial Hypertension

PhD Program in Arterial Hypertension and Vascular Biology (ARHYVAB) University of Padua

Shaping a World-class University Program

Bozen, March 24th – 28th, 2025

DAY 1 – MONDAY March 24th

04:00-07:00 p.m.

Teresa M. Seccia (Padua) *Welcome and Introduction to the Winter School*

Gian Paolo Rossi (Padua) *ESC Guidelines for the treatment of elevated blood pressure: the novelties*

Ana Briones (Madrid) *Inflammation in obesity and hypertension*

Dario Gregori (Padua) *Artificial Intelligence: what tools could be useful for your project*

Loira Leoni (Padua) *Electrical cardioversion in the hypertensive patient with atrial fibrillation*

Discussion

DAY 2 – Tuesday March 25th

09:00-10:15 a.m.

Michel Burnier (Lausanne) *Adherence of physicians to the guidelines: how is relevant in hypertension*

Anthony Heagerty (Manchester) *The choice of the appropriate journal: why you should avoid the paper mills*

Discussion

10:15-12:00 a.m.

Gian Paolo Rossi (Padua).

The PhD Course in Arterial Hypertension and Vascular Biology (ARHYVAB) at the University of Padua:

A long 20 year history

The European Network MINDSHIFT (*Mechanistic Integration of vascular aND endocrine pathways for Subtyping Hypertension: an Innovative network approach for Future generation research Training*): An excellence in hypertension

Thomas Unger (Maastricht) *Unmet needs in hypertension research and the advantage of an inter-disciplinary EU network*

Koen Reesink (Maastricht) *MINDSHIFT: From the conception to the results and remaining questions*

MINDSHIFT ESRs: *The personal contributions to the MINDSHIFT project*

Discussion

12:15-05:00 p.m. Networking, groupwork and leisure time

04:30-07:00 p.m.

Reinhold Kreutz (Berlin) *Treatment of arterial hypertension in older people: slaloming through guidelines*

Thomas Unger (Maastricht) *A cuddle hormone's contribution to the stress response*

Matthias Barton (Zurich) *The Endothelins' system*

Michel Paques (Paris) *Retinal damage in hypertension*

Casper Schalkwijk (Maastricht) *Methylglyoxal in arterial hypertension*

Discussion

DAY 3 – Wednesday March 26th

09:00-11:30 a.m.

Jan Danser (Rotterdam). *The novel antihypertensive drugs*

Jordi Heijman (Graz) *Inflammation in atrial fibrillation.*

Abraham Kroon (Maastricht) *Renal denervation in arterial hypertension: an update*

Jun Yang (Monash) *Diagnosing primary aldosteronism: why and how?*

Discussion

11:30-04:00 p.m. Networking, groupwork and leisure time

04:00-06:30 p.m.

Celso Gomez-Sanchez (Mississippi, MS) *Immunochemical techniques: what we can still learn from this tool*

Giorgia Pallafacchina (Padua) *Calcium measurement and tracking in living cells: why it is relevant*

Vanessa Checchetto (Padua) *Potassium channels: an overview*

Giacomo Strapazzon (Bozen) *Mechanisms of blood pressure regulation at high altitude*

Discussion

DAY 4 – Thursday March 27th

09:00-11:15 a.m.

Jan Danser (Rotterdam) *The renin-angiotensin-aldosterone system: an update*

Christina Zennaro (Paris) *Genetics of Primary Aldosteronism*

Sonali Shah (Monash) *An update on low-renin hypertension*

Elena Poggio (Padua) *Cell-cell fusion assays: split-proteins come into play*

Discussion

11:15-04:00 p.m. Networking, groupwork and leisure time

04:00-04:45 p.m.

Mikel Garcia Marcos (Boston) *How to interrogate GPCR with a biosensor platform*

05:00-07:00 p.m.

Terza missione

Meeting and aperitif with the citizens of Bozen

(Italian language)

DAY 5 – Friday March 28th

09:00-12:00 a.m.

Leon Schurgers (Maastricht) *Mechanisms of vascular calcification*

Alexandre Persu (Brussels) *Fibromuscular dysplasia: what is new?*

Discussion

Andrea Cignarella (Padua) *The interaction between the pharmacologist and the hypertension specialist.*

Interactive discussion on clinical cases.

Contributions from the participants (feedback, poster and/or presentations)

Teresa M. Seccia (Padua) *Closing session and adjourn*