

We are proud to present the third edition of the Winter School on Cardiovascular Medicine of the PhD Program Arterial Hypertension and Vascular Biology (ARHYVAB), which was established more than 20 years ago at the University of Padua. It has been the basis for starting a European School on Hypertension research, successfully managed to receive funds from the EU Marie Skłodowska-Curie initiative within the MINDSHIFT program in conjunction with other 5 leading institutions in Europe.

The Round Table Discussion on 'Why a European School on Hypertension is an urgent need' will be a unique opportunity for the roundtable speakers, which include some PhD supervisors of the MINDSHIFT Program, to debate a hot issue and promote actions to accelerate the constitution of a postgraduate program in Hypertension in EU.

The Winter School has recruited world-class speakers who have kindly accepted to present their innovative views on Arterial Hypertension and related topics in a true international and interdisciplinary environment. This is in line with the theme Internalization, one of the leitmotiv of the University of Padua whose motto over the 800 years of its history has been *Universa Universis Patavina Libertas*.

The School is open to PhD students, residents and students who are interested in gaining deeper insight into the pathophysiology and treatment of arterial hypertension.

We express our gratitude to the University of Padua, the Department of Medicine–DIMED and FORICA-Onlus, which have generously supported the Winter School.

Hoping that the ARHYAB Winter School will be the third of a long successful series, we look forward to seeing from you in Brixen

Teresa M. Seccia and Gian Paolo Rossi

Venue:

Gruner Baum Hotels, Stufels 11 /Via Stufles 11
39042 Brixen /Bressanone, BZ, Italy

Who can apply

PhD students and Postdocs, members of the EU MINDSHIFT Program, residents in Endocrinology, Internal Medicine and Emergency Medicine, students of the Course in Medicine are all welcome to apply and participate. Attendance is restricted to 25 people. Fee: 200 euros. No fee for the students of the Course in Medicine.

Registration at <https://www.sabiwork.it/evento/winter-school/>

Deadline for registration: February 28th, 2024

Room reservation. Accommodation can be arranged by yourself. Rooms are available at the Gruner Baum and other hotels, but for a cheaper accommodation you can contact <https://www.ostello.bz/it/bressanone>.

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Organizing Secretary: segreteria@sabiwork.it

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2024 Winter School on Cardiovascular Medicine

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

"Shaping a World-class University"
Brixen, March 4th – 8th, 2024



Coordinators

Teresa M. Seccia and Gian Paolo Rossi



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DI PADOVA



The Winter School has been funded by the University of Padua within the EU Program 'Shaping a World-class University', the Department of Medicine – DIMED and FORICA-onlus.

DAY 1 – March 4th

- 08:30-09:00 a.m. Teresa 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 a.m. TBD. *The development of New Guidelines on Arterial Hypertension*

DAY 2 – March 5th

- 08:30-09:00 a.m. Jordi Heijman (Graz). *Inflammation: a common mechanism of atrial fibrillation in diseases*
- 09:00-09:30 a.m. Ana Briones (Madrid). *Resolution of inflammation as therapeutic strategy in obesity and hypertension*
- 09:30-10:30 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. Celso Gomez-Sanchez (Mississippi). *Immunochemical techniques as investigative tools in arterial hypertension*
- 05:30-06:00 a.m. Jose Romero (Boston). *Striatin in arterial hypertension*

DAY 3 – March 6th

- 08:30-09:00 a.m. Matthias Barton (Zurich). *TBD*
- 09:00-09:30 a.m. Ariela Benigni (Bergamo). *The endothelial glycocalyx: a target for vascular protection*
- 09:30-10:00 a.m. Idiko 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 a.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 (France)
Tunga Shajia (Mongolia)
Rui Zhu (China)
Maniselman Kuppusamy (US)

DAY 4 – March 7th

- 08:30-09:00 a.m. Giulio Ceolotto (Padua). *Single cell analysis*
- 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*
- 05:00-05:30 p.m. Meet the expert from the company
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.
Incontro e aperitivo con la cittadinanza di Brixen e dintorni

DAY 5 – March 8th

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