

The 5th edition of the Spring School within the International PhD Program in Arterial Hypertension and Vascular Biology (ARHYVAB) of the University of Padua, a Joint PhD Program with the University of Rome Sapienza, will take place in Trento (Italy) from April 20 to April 23.

The School is open to anyone interested in gaining a deeper insight into the pathophysiology and treatment of arterial hypertension. The program will feature internationally renowned speakers who will discuss innovative and translational aspects of hypertension research in a truly international and interdisciplinary environment.

This initiative reflects the strong commitment of the University of Padua to internationalization, a core value deeply rooted in its more than 800-year history and embodied in the motto *Universa Universis Patavina Libertas*. Participation of ARHYVAB PhD students in the EU-funded EU MSCA-COFUND (UNIPhD) Program further testifies to the international nature of the PhD.

This year, to facilitate interaction among participants, the program will include more free time for networking and several activities beyond traditional talks.

The School will be held at a landmark building designed by engineer Giovanni Lorenzi between 1939 and 1942, a striking example of rationalist architecture bridging medieval and modern Trento. It is located just a five-minute walk from Piazza Duomo and Buonconsiglio Castle, and near the new MUSE (Museum of Science), in the heart of the city.

My sincere thanks go to all Members of the Faculty Board for their invaluable support to the ARHYVAB PhD Program.

My gratitude is also expressed to the Department of Medicine – DIMED and to FLAMES – *inFLammation in the pAthogenesis of coMplEx diSeases*, an Excellence project of DIMED, which generously supported the Spring School.

Hoping that the ARHYVAB Spring School will represent the fifth of a long and successful series, I look forward to welcoming you in Trento.

Teresa M. Seccia

Coordinator of the PhD Program Arterial Hypertension and Vascular Biology, University of Padua

VENUE:

Grand Hotel Trento – Piazza Dante, 20 – 38122 Trento (TN)

WHO CAN APPLY

PhD students and Postdocs, residents, students of the Course in Medicine, and anybody interested to the topic. Attendance is restricted to 35 people.

Registration fee: 250 euros (100 euros for students of the Course in Medicine).

Registration at <https://www.sabiwork.it/mec-events/spring-school/>

Deadline for registration: **March 21, 2026**

Accommodation can be arranged by yourself. There are several hotels and hostels in Trento.

Scientific contacts: teresamaria.seccia@unipd.it, livia.lenzini@unipd.it

Organizing Secretary: segreteria@sabiwork.it



UNIVERSITÀ
DEGLI STUDI
DI PADOVA



2026 Spring School in Arterial Hypertension

APRIL 20 23 2026 - TRENTO

INTERNATIONAL PhD PROGRAM in ARTERIAL HYPERTENSION and VASCULAR BIOLOGY (ARHYVAB)

University of Padua

A Joint PhD Program
with the University
of Rome Sapienza

Coordinator: Teresa M. Seccia

DAY 1 – APRIL 20

- 4:00-6:30 p.m. Teresa M. Seccia (University of Padua)
Welcome and Introduction to the Spring School
Gian Paolo Rossi (University of Padua)
Medical Treatment of Aldosteronism: Current Status and Future Developments
Agostino Virdis (University of Pisa)
Inflammation and Microcirculation Dysfunction in Hypertension and Obesity
Francesca Mallamaci (CNR, Reggio Calabria)
Sex differences in Hypertension
Jan A.H. Danser (University of Rotterdam)
Hypertensive Disorders in Hypertension
- Discussion

DAY 2 – APRIL 21

- 9:00-11:30 a.m. Thomas Unger (University of Maastricht)
Offside the Canonical RAS: the (Pro)Renin Receptor as a Drug Target?
Jan A.H. Danser (University of Rotterdam)
RAAS-targeting RNA Therapy
Jordi Heijman (University of Graz)
Hypertension and Atrial Fibrillation: Mechanistic and Translational Perspectives
Luigi Petramala (University of Rome Sapienza)
Subclinical Hypercortisolism: from Pathophysiological Changes to Related Organ Damage
Vito Racanelli (University of Trento)
Clonal Hematopoiesis and Cardiovascular Implications
- Discussion
- 2:30-4:00 p.m. Matthias Barton (University of Zurich)
Primum non Nocere: History, Medical Errors, and Prospects of Hormone Therapies after Menopause
Margherita Morpurgo (University of Padua)
Drug Delivery Strategies for Hypertension Management
Walter Ageno (University of Padua)
An Update on Anticoagulation in Atrial Fibrillation
- Discussion

DAY 3 – APRIL 22

- 9:00-11:00 a.m. Michel Paques (Sorbonne Université, Paris)
The Retina as a Window on Malignant Hypertension
Marko Poglitsch (aTENSION.life, Wien)
Function, Dynamics and Clinical Biomarkers of the RAAS
Ana Briones (Universidad Autonoma de Madrid)
Inflammation and Its Resolution in Cardiovascular Damage Associated with Hypertension
Maria-Christina Zennaro (Paris Cardiovascular Research Center, European Hospital Georges Pompidou)
Genetics of Primary Aldosteronism
- 4:00-5:30 p.m. Celso Gomez-Sanchez (University of Mississippi, MS)
Immunochemical Techniques: What We Can Still Learn from These Tools in Adrenal Cortex Research
Fabio Fernandes-Rosa (Paris Cardiovascular Research Center, European Hospital Georges Pompidou)
Regulation of Aldosterone Synthesis: why is Useful for the Clinical Practice
- Discussion
- 5:00-7:00 p.m. **Knowledge Transfer and Societal Engagement (Terza missione)**

Meeting and aperitif with the citizens of Trento (Italian language)

DAY 4 – APRIL 23

- 9:00-12:30 a.m. Philippe Vangrieken (Maastricht University)
Advanced Glycation and Dicarbonyl Stress: Emerging Mechanisms in Cardiovascular Disease
Ildiko Szabo (University of Padua)
The World of Mitochondrial Ion Channels
Alessandro Prete (University of Birmingham)
Precision Medicine in Hypertension: a Metabolomic Approach to Cardiometabolic Risk
Dario Gregori (University of Padua)
Artificial Intelligence and Study Design: Opportunities, Risks, and Responsibilities Discussion
- Contributions from the participants (feedback, poster and/or presentations)
- Teresa M. Seccia (University of Padua)
Closing Session and Wrap-up