

The Winter School on Hypertension has been conceived within the International PhD Program in Arterial Hypertension and Vascular Biology (ARHYVAB), which was established 20 years ago at the University of Padua and has been the basis for starting a European School on Hypertension research. The latter has 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.

With over 25 million deaths and cardiovascular events, Arterial Hypertension is the leading cause of death and premature disability worldwide. Notwithstanding this, there are no postgraduate programs in Hypertension in EU.

Internalization is one of the leitmotiv of the University of Padua whose motto over the 800 years of its history has been *Universa Universis Patavina Libertas*. Along this line, the University has allocated some resources to promote several initiatives, including visiting professors and scientist programs, and the Winter Schools.

Therefore, we are proud to present the second edition of the ARHYVAB Winter School. World-class speakers have kindly accepted to present their innovative views on Arterial Hypertension and related topics in a true international and interdisciplinary environment.

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

We would like to express our gratitude to the University of Padua and the Department of Medicine–DIMED and to FORICA-Onlus, which have granted support the School.

Hoping that the second edition of the ARHYVAB Winter School will have the same success of the first one, 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, Nephrology, students of the Course in Medicine. All are interested to the research topic are welcome to apply and participate.

Please note that the attendance *in presence* is restricted to 25 people, on a *first come first served* basis. A certificate of attendance will be issued upon passing the final test.

Fee: 200 euros. No fees for the students of the Medical School of Padua. Registration at <http://www.sabiwork.it/>

Room reservation. Accommodation can be arranged by yourself. Rooms are available at the Gruner Baum and other hotels in Brixen. For cheaper accommodation, please contact the Youth Hotel bressanone@ostello.bz (<https://www.ostello.bz/it/bressanone>).

Scientific and organizing contact:

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Deadline for registration:

March, 6th 2023

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2023 Winter School
in Cardiovascular Medicine
PhD Program
Arterial Hypertension and Vascular Biology (ARHYVAB)
University of Padua

"Shaping a World-Class University"



Coordinators
Gian Paolo Rossi and Teresa M. Seccia

Brixen, March 13th-17th, 2023



UNIVERSITÀ
DEGLI STUDI
DI PADOVA



Monday, March 13th

08:30-09:00 a.m.

Gian Paolo Rossi and Teresa Seccia (Padua)

Welcome and Introduction

09:00-09:30 a.m.

Gian Paolo Rossi (Padua)

Primary arterial hypertension: a fake entity?

09:30-10:00 a.m.

Anne Paul Gimenez-Roqueplo (Madrid)

Genetic spectrum of pheochromocytoma

10:00-12:30 a.m. Individual/small groups work

04:00-04:30 p.m.

Teresa Seccia (Padua)

Peptidergic G protein-coupled receptor regulation of adrenal function: bench to bedside and back

04:30-05:00 p.m.

Maria Christina Zennaro (Paris)

Multi-omics strategy for identification of hypertension

04:30-05:00 p.m. *Clinical case and discussion*

Tuesday, March 14th

08:30-09:00 a.m. Meet the expert

Thomas Unger (Heidelberg)

What makes a good PhD student

09:00-09:30 a.m.

Giulio Ceolotto (Padua)

NGS for identification of new mutations of Primary Aldosteronism

09:30-10:00 a.m. *Clinical case and Discussion*

10.00-11.30 a.m. Individual/small groups work

04:00-04:30 p.m.

Felix Beuschlein (Munich)

Metabolomics as a tool to discriminate endocrine from primary hypertension hypertension

04:30-05:00 p.m.

Celso Gomez-Sanchez (Mississippi). *Immunochemical characterization of Primary Aldosteronism*

05:00-05:30 p.m. Meet the Editor-in Chief

Anthony M. Heagerty (Manchester)

What makes a successful manuscript?

05:30-06:00 p.m. *Clinical case and discussion*

Wednesday, March 15th

08:00-08:30 a.m.

Damiano Rizzoni (Brescia)

Arterial remodeling in arterial hypertension

08:30-09:00 a.m.

Ana Briones (Madrid).

Inflammation as a therapeutic strategy in hypertension

09.00–09.30 p.m.

Alexandre Persu (Louvain)

Proteome biomarkers of fibromuscular dysplasia

10:00-10:30 p.m.

Daniela Carnevale (Rome, Pozzilli)

Immunological mechanisms in hypertension

10:30-11:00 p.m. Clinical case and discussion

04.00–04.30 p.m.

Matthias Barton (Zurich)

Sex-specific pathogenesis and treatment of coronary artery diseases

04:30-5:00 p.m.

Jan Danser (Rotterdam)

Preeclampsia: RAAS, endothelin-1 and the angiogenic imbalance

05:00-05:30 p.m.

Giacomo Rossitto (Padua)

Arterial hypertension and heart failure

05:30-06:00 p.m. Meet the Editor-in Chief

Michael Ryan (South Carolina)

How to choose the appropriate journal for your manuscript

Thursday, March 16th

08:00-08:30 a.m.

Lorenzo Calò (Padua)

Renal damage in arterial hypertension

08:30-09:00 a.m.

Brasilina Caroccia (Padua)

Polyfluoroalkyl substances as endocrine disruptors in primary aldosteronism

09:00-09:30 a.m.

Michael Burnier (Lausanne)

What is new in the treatment of hypertension

09:30-10:00 a.m. *Clinical case and discussion*

Symposium INTENTION Part 1

04:00-04:30 p.m.

Gian Paolo Rossi (Padua)

Innovative treatment options to inhibit SARS-CoV2 infection and treat COVID-19 patients (INTENTION Study)

04:30-05:00 p.m.

Sara N Richter (Padua)

SARS-CoV-2 virus and its variants

05:00-05:30 p.m.

Marisa Brini (Padua). *How to investigate the entry of SARS-CoV2 virus into the cell zoom*

05:30-06:00 p.m.

Margherita Morpurgo (Padua)

How to counteract SARS-CoV2 virus-mediated effects in the cells

06:00-06:30 p.m. *Discussion*

Friday, March 17th

Symposium INTENTION Part 2

08:00-08:30 a.m.

Elena Poggio (Padua)

Cell cell fusion assays: split-proteins come into play

08:30-09:00 a.m.

Ilaria Frasson (Padua)

SARS-CoV-2 virus in the lab: how to deal with it

09:00-09:30 a.m.

Simone Bernardotto (Padua)

Nanoparticles presence

09:30-10:00 a.m.

Ilaria Caputo (Padua)

ACE-inhibitors and ARB: evidence of their protective effect presence

10:00-10:30 a.m.

Michael Bader (Berlin)

Relevance of human cell membrane-bound ACE2 in the Sars-Cov2 infection presence

10:30-11:00 a.m. *Discussion*

11:00-12:00 a.m. *Final test*

Teresa Seccia and Gian Paolo Rossi (Padua)

Closing session and adjourn