



## ARQUS BIP:

**“Teaming up for cardiovascular risk reduction – an integrated approach”**

**Virtual period: 21/05-11/06**

**Face-to-face mobility: Monday, 2 June - Saturday, 7 June**

## Background

Cardiovascular disease (CVD) can unexpectedly reduce the life expectancy among young, healthy adults in their prime and can also cause debilitating, chronic ill health conditions later in life among the increasingly aging population. It is a significant cause of death worldwide, claiming the lives of 17.9 million people annually. Recognized as a major worldwide health emergency, cardiometabolic disorders continue to rise, impacting on health systems and requiring more effective and targeted strategies. Pathophysiology, pharmacology and therapeutics need to team up for effective CVD risk reduction.

Pharmacological research has contributed much to attacking diseases through the development of drugs such as GLP 1 receptor agonists, inhibitors of renin angiotensin aldosterone system and statins. However, further efforts towards developing better drugs and targeting unmet medical needs are still needed.

## Objectives

The BIP has a two-fold learning objective that aims to provide a comprehensive and integrated educational experience for next generation of physicians:

- To provide an integrated view of research and clinical approaches to prevent and treat CVDs;
- To foster exchange and networking between medical students from several European countries.

Overall, the objectives of the BIP reflect a commitment to providing a comprehensive and enriching educational experience that not only imparts knowledge but also cultivates critical thinking, collaboration, and a global mindset – essential qualities for the next generation of medical professionals.

## Target audience

The course is open to 24 undergraduate medical students close to achieving their MD. Applications from early MD graduates (junior PhD or residents) will also be considered.

### **Number of spots per partners universities**

The BIP is open to students from universities within and outside Arqus. Students who can benefit from an Erasmus+ scholarship will be prioritized. Eligibility of students from an Arqus university for an Erasmus+ scholarship will be checked directly. Non-Arqus students must verify it with their home university.

The BIP is open also to local and incoming students based at the University of Padova.

### **Recognition**

Students who attend at least 75% of lectures and present the group work will receive a Certificate of Attendance and 3 ECTS credits.

## Programme

The virtual component will take place from 21st May to 11th June.

From 2nd to 7th June the BIP will be held in Padova, Italy.

| Monday, June 2   | Tuesday, June 3   | Wednesday, June 4   | Thursday, June 5  | Friday, June 6  | Saturday, June 7   |
|--|---|---|---|---|--|
| <i>Sala Egitia, Caffè Pedrocchi<br/>via 8 febbraio, 15</i>   | <i>Collegio Morgagni<br/>Sala Consiliare, 1<sup>st</sup> floor<br/>via San Massimo 33</i>   | <i>Collegio Morgagni<br/>Sala Consiliare, 1<sup>st</sup> floor<br/>via San Massimo 33</i>   | <i>Collegio Morgagni<br/>Sala Consiliare, 1<sup>st</sup> floor<br/>via San Massimo 33</i>   | <i>Collegio Morgagni<br/>Sala Consiliare, 1<sup>st</sup> floor<br/>via San Massimo 33</i>   | <i>Aula E, Palazzo Bo'<br/>via 8 febbraio, 2</i>   |
|  | 9:00-9:45 am<br>Peripheral artery disease<br><i>Marcello Rattazzi, Padova</i><br>Case discussion<br><br>10:15-11:00<br>Experimental models<br><i>Mattia Albiero, Padova</i>   | 9:00-9:45 am<br>Personalised medicine and<br>antithrombotic agents<br><i>Bianca Rocca, Bari</i><br><br>10:15-11:00<br>Non-valvular atrial fibrillation<br><i>Teresa Seccia, Padova</i><br>Case discussion | 9:00-9:45 am<br>Medication review and<br>deprescribing<br><i>Gianluca Trifiro, Verona</i><br><br>10:15-11:00<br>Dyslipidaemia<br><i>Alberto Zambon, Padova</i>  | 9:00-9:45 am<br>RNA therapeutics<br><i>Chiara Collesi, Trieste</i><br><br>10:15-11:00 <u>Keynote Lecture</u><br>Essential hypertension: a fake<br>entity<br><i>Gian Paolo Rossi, Padova</i>   | 9:00-9:45 am<br>Immunometabolism<br><i>G. Danilo Norata, Milan</i><br><br>10:00-12:00<br><u>Best Presentation Award<br/>Session</u><br><i>All Students</i> |
|  | 11:30-12:15<br>Paediatric cardiology<br><i>Felix Oberhoffer, Munich</i><br><u>Meet the expert</u><br><i>Felix Oberhoffer</i>  | 11:30-12:15<br>Thromboinflammation<br><i>Thomas Vanassche, Leuven</i><br><u>Meet the Expert</u><br><i>Thomas Vanassche</i>  | 11:30-12:15<br>Cardiovascular risk in diabetes:<br>from mechanisms to therapies<br><i>Gian Paolo Fadini, Padova</i><br><u>Meet the Expert</u><br><i>Gian Paolo Fadini</i>   | 11:30-12:15<br>Heart failure<br><i>Will Watson, Cambridge</i><br><u>Meet the Expert</u><br><i>Will Watson</i>   | 12:15<br><i>Award presentation</i>   |
| 4:45 pm <i>Opening session</i>   | 12:30 pm <i>Lunch</i>   | 12:30 pm <i>Lunch</i>   | 12:30 pm <i>Lunch</i>   | 12:30 pm <i>Lunch</i>   | 12:30 pm <i>Farewell lunch</i>   |
| 5:00-5:45<br>Vascular ageing<br><i>Francesco Mattace-Raso, Rotterdam</i><br><u>Meet the Expert</u><br><i>Francesco Mattace-Raso</i><br><br>6:30-7:15<br>Coagulation disorders<br><i>Elena Campello, Padova</i> | 1:30-2:15<br>Precision cardiovascular<br>pharmacology<br><i>Andrea Cignarella, Padova</i><br><br>2:30<br><u>Practical Session</u> , Skill Lab<br><i>Filippo Valle, Padova</i> | 1:30-2:15<br>Genetic basis of sudden<br>death in the young<br><i>Cristina Basso, Padova</i>   | 1:30-2:15<br>Nutrition and atherothrombosis<br><i>Gemma Chiva-Blanch, Barcelona</i><br><br>2:30-3:15<br>Renin angiotensin aldosterone<br>system<br><i>Muscha Steckelings, Odense</i><br><u>Meet the Expert</u><br><i>Muscha Steckelings</i><br><br>3:30-4:15<br>Binge eating and drinking<br><i>Cruz Miguel Cendán, Granada</i> | 1:30-2:15<br>The math of the heart<br><i>Federica Caforio, Graz</i><br><br>2:30-3:15 <u>Workshop</u><br>Medical education across<br>Europe – best practice<br><i>All Students</i><br><br><i>Visit to Museo di Anatomia<br/>Patologica</i> |  |
| 7:30 <i>Welcome dinner</i>   | 7:00 <i>Aperitivo</i>   | <i>Visit to Scuola Grande di<br/>San Marco, Venice</i>  | 8:00 <i>Pizza</i>   |   |  |

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