

## Research options available for topic B

Research topics a) and b) offered by every Doctoral Course involved in UNIPHD are frameworks within which every applicant has to present an original research project in collaboration with a Supervisor at the University of Padua.

Potential Supervisors at Unipd have proposed the following detailed research options, which are related to the research topic. They are offered as a guideline and should facilitate your contact with potential Supervisors. Supervisors' e-mail is specified in every research option table. You are welcome to contact them directly.

Note that this research option list is not at all exhaustive and, within the topic you have chosen, you are free to propose a different research project.

<b>Doctoral Course</b>	<b>ARTERIAL HYPERTENSION AND VASCULAR BIOLOGY</b>
<b>Macro-area</b>	Medical and Biomedical Sciences
<b>Department name</b>	Department of Medicine
<b>Webpage</b>	<a href="https://www.medicinadimed.unipd.it/corsi/dottorati-di-ricerca/dottorati-internazionali/international-phd-program-arterial-hypertension">https://www.medicinadimed.unipd.it/corsi/dottorati-di-ricerca/dottorati-internazionali/international-phd-program-arterial-hypertension</a>
<b>Research topic B</b>	<p><b>Out of the ivory tower: Detection of secondary arterial hypertension</b></p> <p>Secondary forms of arterial hypertension are markedly undetected leaving millions of people exposed to the ominous consequences of high cardiovascular risk in Europe. Aim of the research topic is to test the hypothesis that a systematic approach based on updated education of general practitioners (GPs) and on implementation into practice of simplified validated diagnostic algorithms can improve the case detection of the secondary forms of hypertension.</p>
<b>Link to the UNIPHD Call (Academic Year 2022/2023)</b>	<a href="https://www.unipd.it/en/uniphd">https://www.unipd.it/en/uniphd</a>
<b>Latest Update</b>	11.01.2022
<b>#Number of available Research Options</b>	2 <i>Scroll down to see all the Research Options</i>

**# 1 Research Option Description**

<b>Doctoral Course</b>	<b>Arterial Hypertension and Vascular Biology (ARHYVAB)</b>
<b>Department name</b>	Department of Medicine - DIMED
<b>Research topic B</b>	Out of the ivory tower: Detection of secondary arterial hypertension
<b>Research option</b>	Improvement of detection of secondary arterial hypertension
<b>Supervisor</b>	<p>Supervisor: Prof. Gian Paolo Rossi, MD, FACC, FAHA  <a href="mailto:gianpaolo.rossi@unipd.it">gianpaolo.rossi@unipd.it</a></p> <p>Members of the research group:          Prof. Teresa Maria Seccia, MD, PhD          Dr. Giacomo Rossitto, MD, PhD          Dr. Brasilina Carocchia, BSc, PhD          Dr. Livia Lenzini, BSc, PhD          Dr. Giulio Ceolotto, BSc, PhD          Prof. Ana Briones, BSc, PhD (Universidad Autonoma de Madrid)          Prof. Koen Reesink, PhD (CARIM, University of Maastricht)</p>
<b>Webpage</b>	<a href="https://www.unipd.it/dottorato/arterial-hypertension-vascular-biology">https://www.unipd.it/dottorato/arterial-hypertension-vascular-biology</a>
<b>Context of the research activity and objectives</b>	<p>Secondary forms of arterial hypertension are markedly undetected leaving millions of people exposed to the ominous consequences of high cardiovascular risk in Europe. Aim of the research topic is to test the hypothesis that a systematic approach based on updated education of general practitioners (GPs) and on implementation into practice of simplified validated diagnostic algorithms can improve the case detection of the secondary forms of hypertension. This research option will be addressed to the development of educational tools that can facilitate GPs in searching and identifying the secondary forms of hypertension.</p>
<b>Infrastructures</b>	<p>Facilities at DIMED include laboratories equipped with devices for clinical, molecular and cellular diagnostics, and libraries with PC workstations. Online access to the most scientific journals, international databases and biostatistics software is provided. Collaborations with other departments at UNIPD and several European Universities will allow easy access to all facilities needed for the project.</p>
<b>Skills and competencies for the development of the activity</b>	<ul style="list-style-type: none"> <li>• Qualification: MD, Biologist or Biotechnologist.</li> <li>• Experience: The candidate should have experience in molecular biology basic techniques.</li> <li>• Abilities: Disposition to generate actions to responsibly analyze and solve problems in different situations.</li> <li>• Attitude and disposition: Attitude to critically thinking and disposition to work within a team.</li> </ul>
<b>Training offer</b>	Lectures, weekly research meetings and JC; one course on writing in scientific English and one in biostatistics.
<b>Possible Secondments</b>	University of Maastricht; Universidad Autonoma de Madrid; Attoquant Diagnostics, GmbH, Vienna; Diasorin SpA, Saluggia

## # 2 Research Option Description

<b>Doctoral Course</b>	<b>Arterial Hypertension and Vascular Biology (ARHYVAB)</b>
<b>Department name</b>	Department of Medicine - DIMED
<b>Research topic B</b>	Out of the ivory tower: Detection of secondary arterial hypertension
<b>Research option</b>	How to improve detection of secondary arterial hypertension
<b>Supervisor</b>	<p>Supervisor: Prof. Gian Paolo Rossi, MD, FACC, FAHA  <a href="mailto:gianpaolo.rossi@unipd.it">gianpaolo.rossi@unipd.it</a></p> <p>Members of the research group:          Prof. Teresa Maria Seccia, MD, PhD          Dr. Giacomo Rossitto, MD, PhD          Dr. Brasilina Carocchia, BSc, PhD          Dr. Livia Lenzini, BSc, PhD          Dr. Giulio Ceolotto, BSc, PhD          Prof. Ana Briones, BSc, PhD (Universidad Autonoma de Madrid)          Prof. Koen Reesink, PhD (CARIM, University of Maastricht)</p>
<b>Webpage</b>	<a href="https://www.unipd.it/dottorato/arterial-hypertension-vascular-biology">https://www.unipd.it/dottorato/arterial-hypertension-vascular-biology</a>
<b>Context of the research activity and objectives</b>	<p>Secondary forms of arterial hypertension are markedly undetected leaving millions of people exposed to the ominous consequences of high cardiovascular risk in Europe. Aim of the research topic is to test the hypothesis that a systematic approach based on updated education of general practitioners (GPs) and on implementation into practice of simplified validated diagnostic algorithms can improve the case detection of the secondary forms of hypertension. This research option will be addressed to the identification of novel molecular biomarkers for identification of secondary forms of hypertension.</p>
<b>Infrastructures</b>	<p>Facilities at DIMED include laboratories equipped with devices for clinical, molecular and cellular diagnostics, and libraries with PC workstations. Online access to the most scientific journals, international databases and biostatistics software is provided. Collaborations with other departments at UNIPD and several European Universities will allow easy access to all facilities needed for the project.</p>
<b>Skills and competencies for the development of the activity</b>	<ul style="list-style-type: none"> <li>• Qualification: MD, Biologist or Biotechnologist.</li> <li>• Experience: The candidate should have experience in molecular biology basic techniques.</li> <li>• Abilities: Disposition to generate actions to responsibly analyze and solve problems in different situations.</li> <li>• Attitude and disposition: Attitude to critically thinking and disposition to work within a team.</li> </ul>
<b>Training offer</b>	Lectures, weekly research meetings and JC; one course on writing in scientific English and one in biostatistics.
<b>Possible Secondments</b>	University of Maastricht; Universidad Autonoma de Madrid; Attoquant Diagnostics, Gmbh, Vienna; Diasorin SpA, Saluggia