



**Annex 8**  
**Ph.D. in Translational Medicine**

<b>Coordinator</b>	Prof. Fabio A. Recchia e-mail f.recchia@sssup.it	
<b>Brief description</b>	<p>The PhD Programme in Translational Medicine aims to provide the state-of-the-art in teaching and research with the ultimate objective of training future leaders in a research endeavour applied to clinical medicine. The PhD programme has an exceptionally multidisciplinary and international approach and proposes to create opportunities in the field of translational medicine. Particular emphasis is placed on the integration between experimental and clinical research in the area of cardiovascular sciences, with the aim of translating results into novel and more effective diagnostic and therapeutic procedures. A qualifying part of the curriculum is centered on basic and applied research towards development and validation of new drugs, nutraceuticals, therapeutic nanovectors and biomedical devices. On completion of the Programme, each student will have acquired a high level of training not only in experimental and clinical methodology, but also in the most advanced techniques for successful research according to a state-of-the-art translational medicine.</p> <p>For further information: <a href="http://www.sssup.it/biomedical">http://www.sssup.it/biomedical</a></p>	
<b>Language</b>	Italian, English	
<b>Duration</b>	3 years	
<b>Curricula</b>	<b>Systems Physiology and Pathophysiology, Experimental and Clinical</b>	Research lines in the following areas: chemoreflexes and baroreflexes in heart failure; coronary and systemic circulation; renal function and hyperparathyroidism; cardiac mechanism; cardiovascular prosthesis; cardiac metabolism; microgravity and endothelial function; advanced cardiovascular imaging systems; treatment and care models for highly complex patients with chronic conditions.
	<b>Molecular Physiology and Medicine</b>	Research lines in the following areas: regenerative cardiac medicine; molecular mechanisms of nutraceuticals; molecular mechanisms of disease caused by the use of biomedical devices; angiogenesis and cancer; endothelial function and microgravity; identification and pathophysiological significance of vascular, cardiac and renal biomarkers.
	<b>Drug Discovery</b>	Research lines in the following areas: pharmacogenomics; transcription factors and their role in drug discovery; biochemical and molecular techniques for the characterisation of new drug targets; sphingolipids as targets for cancer treatment, neurodegenerative diseases and obesity; biological and synthetic nanovectors as research instruments or therapeutic agents.
<b>Number of positions available</b>	<p><b>10 positions with scholarship (of which 1 position is reserved for citizens of NON-EU Countries)</b></p> <p>of which:</p> <ul style="list-style-type: none"> <li>- 5 funded by the Scuola Superiore Sant'Anna</li> <li>- 2 funded by the Italian Institute of Technology (IIT) and reserved for candidates submitting a research project in line with the "Drug Discovery" curriculum;</li> <li>- 2 funded by the Laboratory for Management and Health of the Scuola and reserved for candidates submitting a research project on the specific theme: "Treatment and care models for highly complex patients with chronic conditions"</li> </ul>	

	<p>in line with the “Systems Physiology and Pathophysiology, Experimental and Clinical” curriculum.</p> <ul style="list-style-type: none"> <li>- 1 funded by the Institute of Clinical Physiology of the National Research Council of Italy, reserved for candidates submitting a research project in line with the “Physiology and Molecular Medicine” curriculum.</li> </ul>
<b>Scholarship amount</b>	<p><b>Euro 14,000.00</b> gross in monthly instalments</p> <p>This gross amount includes a social security contribution which is being paid by the recipient.</p>
<b>Submission deadline for the online application</b>	<p><b>30 June 2015 at 12.00 a.m.</b> (Italian time)</p>
<b>Documentation to be included in the online application</b>	<ol style="list-style-type: none"> <li>1. photocopy of a valid document of identification;</li> <li>2. curriculum vitae;</li> <li>3. self-certification of examinations passed in the two-year/specialist degree, specifying the mark received for each of them;</li> <li>4. copy of the degree thesis (or an abstract of the thesis, with a photocopy of the cover page); candidates who will obtain the degree by 31 October should attach a copy of the thesis as a final draft or an abstract of the same;</li> <li>5. a detailed research plan in Italian or English, with a maximum of 3000 words. It should be prepared as a three-year research plan including the following information: <ol style="list-style-type: none"> <li>a. title of the project with scientific premises and relevant bibliography;</li> <li>b. aim and expected results;</li> <li>c. methodologies employed and data analysis;</li> </ol> </li> <li>6. <b>only for candidates who have obtained their qualification abroad:</b> copy of the MSc Degree Certificate or equivalent qualification translated into Italian or English unless written in French, German or Spanish;</li> <li>7. at least two letters of reference from prior supervisors through the academic curriculum;</li> <li>8. copy of any other qualification or publication that the candidate deems relevant to the programme (typewritten works are permitted)</li> </ol>
<b>Examination Procedure EU candidates</b>	<p><b>Qualifications and Interview</b></p> <p>Selection will be performed through an <b>assessment of the candidate’s qualifications on record and an interview.</b></p> <p>The Examination Committee will award a score out of one hundred, from 1 to 100.</p>
	<p><i>Assessment of qualifications –maximum score possible: 70</i></p> <p>The Committee will assess the curriculum and any relevant qualification submitted. The candidate’s research plan will be assessed in terms of quality, feasibility, and relevance to the lines of research specified in the “Curricula”. On completing the assessment, the Committee will prepare a concise evaluation and award a score out of seventy. Candidates with a score of at least 49/70 will be accepted for interview.</p> <p>The School will inform via email the selected candidates on the day and time of the interview as well as on the score received in the assessment.</p> <p>Presence of the candidates is not required through the assessment of qualifications.</p> <p><i>Interview – maximum score possible: 30</i></p> <p>The interview will consist in a discussion of the qualifications and the proposed research, in addition to an oral examination on the knowledge of the English language. Candidates obtaining a score below 21/30 in the interview will be excluded from the selection.</p> <p>In special cases, pending a decision by the Committee, the interview may be conducted as a video conference (using Skype). In this case, the document of identification used in the online application form must be presented before the start of the examination to confirm the identity of the candidate. It is candidate’s responsibility to ensure that</p>

	<p>required hardware (PC, webcam) and software are available and that there is a reliable internet connection.</p> <p>The minimum score for inclusion in the ranking list is 70/100.</p> <p>The School will notify the outcome only to the successful candidates, using the email address given in the application. The awardees will be required to confirm their acceptance within 7 days. Failing this, the position will be passed to the first suitable candidate in the ranking order.</p>
<p><b>Examination Procedure</b> <b>NON-EU candidates</b></p>	<p><b>Qualifications</b></p>
	<p>Selection will be performed through an <b>assessment of the qualifications presented</b>. The Examination Committee will award a score from 1 to 100. Candidates receiving a score of less than 70/100 will be excluded from the selection.</p> <p>The Committee will assess the curriculum and any relevant qualification submitted. The candidate's research plan will be assessed in terms of quality, feasibility, and relevance with respect to the lines of research indicated in the "Curricula".</p> <p>For candidates having equal position in the ranking order, preference will be given to the younger candidate.</p> <p>The School will inform only the selected candidates on their admission to the School, using the email address given in the application. The awardees will be required to confirm their acceptance within 7 days. Failing this, the position will be passed to the first suitable candidate in the ranking order.</p>
<p><b>Time schedule</b></p>	<p>Publication of the list of candidates selected for interview (EU candidates only): <b>13 July 2015</b></p> <p>Interviews (EU candidates only): <b>17 July 2015 at 3.00 p.m.</b></p> <p>A complete ranking list will be published by <b>20 July 2015</b> on the page <a href="http://www.sssup.it/phdapplicationonline">http://www.sssup.it/phdapplicationonline</a></p>
<p><b>Information</b></p>	<p><a href="mailto:info-phdlifesciences@sssup.it">info-phdlifesciences@sssup.it</a> tel. +39 050.883.345</p>