

**Annex**  
**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.santannapisa.it/en/education/phd-biomedical">http://www.santannapisa.it/en/education/phd-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 mechanics; cardiovascular prosthesis; cardiac metabolism; microgravity and endothelial function; advanced cardiovascular imaging systems.
	<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 tools or therapeutic agents.
<b>Number of positions available</b>	<p><b>6 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>- 1 position is reserved for applicants who submit a research project on "Cardio-neuro-metabolic disorders and/or applied biomedical technologies" (Curriculum: "Physiology and Molecular Medicine") and is funded by the Institute of Clinical Physiology, CNR, PISA</li> </ul> <p><i>The number of positions with scholarship may be increased if further funding becomes available</i></p>	



<b>Scholarship amount</b>	<b>Euro 14,000.00</b> gross in monthly instalments This amount includes a social security contribution which is being paid by the recipient.
<b>Submission deadline for the online application</b>	<b>June, 30<sup>th</sup> at 12.00 a.m.</b> (Italian time)
<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 post-graduate degree (Master or Medical Degree or equivalent), specifying the individual marks;</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 certificate attesting to a post-graduate degree (Master Degree, Medical degree or equivalent) translated into Italian or English unless written in French, German or Spanish;</li> <li>7. Two letters of reference from prior supervisors through the academic curriculum; The two letters of reference, duly signed, should be prepared by faculty members or other academics who had the opportunity to assess the applicant's work during his/her university studies. These letters must be sent via e-mail by the referees to the address <a href="mailto:info-phdlifesciences@sssup.it">info-phdlifesciences@sssup.it</a> prior to the deadline of June, 30<sup>th</sup>. The subject line of the e-mail should report the surname and name of the candidate. References that do not satisfy this requirement may not be taken into consideration.</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>	<b>Qualifications and Interview</b> Selection will be performed through an <b>assessment of the candidate's qualifications being submitted and an interview</b> . The Examination Committee will assign a score over a range of 1 to 100.
	<i>Assessment of qualifications –maximum score possible: 70</i> 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 assign a score over a range of 1 to 70. Candidates must obtain a score of at least 49/70 to be called for the interview. The School will inform via e-mail the selected candidates on the day and time of the interview as well as on the score received after the assessment of qualifications. Presence of the candidates is not required through the assessment of qualifications. <i>Interview – maximum score possible: 30</i> The interview will consist in a discussion of the qualifications and the proposed



	<p>research, in addition to an oral examination for the assessment of the English language knowledge.</p> <p>Candidates obtaining a score below 21/30 in the interview will be excluded from the selection.</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 e-mail address given in the application. The awardees will be required to confirm their acceptance within 7 days. Failing this, the position will be assigned to the first suitable candidate within 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 assign a score over the range of 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 to the lines of research indicated in the "Curricula".</p> <p>For candidates achieving equal position in the ranking order, preference will be given to the younger candidate.</p> <p>The School will inform only the candidates admitted to the School, using the e-mail address indicated in the application. The admitted candidates will be required to confirm their acceptance within 7 days. Failing this, the position will be passed to the first suitable candidate within the ranking order.</p>
<p><b>Time schedule</b></p>	<p>The list of candidates selected for interview (EU candidates only) and the date of interview will be published on the page <a href="http://www.santannapisa.it/it/phdtraslationalmedicine-application">www.santannapisa.it/it/phdtraslationalmedicine-application</a></p> <p>A complete ranking list will be published by July, 30<sup>th</sup> on the page <a href="http://www.santannapisa.it/it/phdtraslationalmedicine-application">www.santannapisa.it/it/phdtraslationalmedicine-application</a></p>
<p><b>Information</b></p>	<p><a href="mailto:info-phdlifesciences@sssup.it">info-phdlifesciences@sssup.it</a> tel. +39 050.883.3182</p>