



Annex 1

Ph.D. in BioRobotics

<http://www.santannapisa.it/en/education/phd-biorobotics>

<http://www.santannapisa.it/en/institute/biorobotics/biorobotics-institute>

<p><b>Coordinator</b></p>	<p>Professor Arianna Menciassi e-mail: <a href="mailto:arianna.menciassi@santannapisa.it">arianna.menciassi@santannapisa.it</a></p> <p>Deputy Coordinator: Professor Calogero Maria Oddo e-mail: <a href="mailto:calogero.oddo@santannapisa.it">calogero.oddo@santannapisa.it</a></p>
<p><b>Language</b></p>	<p>Italian, English</p>
<p><b>Duration</b></p>	<p>3 years</p>
<p><b>Number of positions available</b></p>	<p><b>N. 22 positions, of which:</b></p> <ul style="list-style-type: none"> <li>- <b>12 with scholarship funded by the Scuola Superiore Sant'Anna and by BioRobotics Institute;</b></li> <li>- <b>7 with scholarship fully funded by the Center for Micro-BioRobotics of the Istituto Italiano di Tecnologia.</b> These seven scholarships will be reserved to applicants submitting Research Projects in the field of soft-bio inspired robotics and smart materials (<a href="http://mbr.iit.it/">http://mbr.iit.it/</a>);</li> <li>- <b>1 with scholarship funded by the Excellence Department in Robotics &amp; AI.</b> This scholarship will be reserved to applicants submitting Research Projects in the field of Robotics and Artificial Intelligence;</li> <li>- <b>2 with scholarship co-funded by the Excellence Department in Robotics &amp; AI and by The BioRobotics Institute.</b> These scholarships will be reserved to applicants submitting Research Projects in the field of Robotics and Artificial Intelligence.</li> </ul> <p>Furthermore, before the beginning of the Course, the following positions may be activated on the basis of specific agreements:</p> <ul style="list-style-type: none"> <li>- positions dedicated to specific industrial research activities, in partnership with organisations and private companies;</li> <li>- positions intended for apprenticeship contracts, pursuant to article 11 of Italian Ministerial Decree no. 45/2013 and article 5 of Italian Legislative Decree 167/2011 (High-level Apprenticeship PhD);</li> <li>- positions reserved for employees of companies which perform research and development activities, pursuant to article 11 of Italian Ministerial Decree no. 45/2013 (Industrial PhD);</li> <li>- positions reserved to foreign recipients of scholarship.</li> </ul> <p><b>Additional positions could be funded with research fellowships</b> lasting three years pursuant to article 22 of Italian Law 240/2010, as provided for under article 8, paragraph 3 of Italian Ministerial Decree no. 45/2013, from research funds of The BioRobotics Institute. Research grants will be assigned to eligible candidates who have not been awarded with a scholarship. Research grant can be assigned to candidates owing the M.Sc. degree at the submission deadline. The number of positions with scholarship may be increased if further funding becomes available, including funding originating from specific agreements pursuant to article 11 of Italian Ministerial Decree 45/2013 (Industrial PhD) or from apprenticeship contracts, pursuant</p>



	to article 11 of Italian Ministerial Decree 45/2013 and article 5 of Italian Legislative Decree 167/2011 (High-level Apprenticeship PhD).
<b>Scholarship amount</b>	<p><b>16'000.00 euros</b> gross paid to the PhD student in deferred monthly instalments.</p> <p>The gross amount includes social security contributions payable by the recipient. The scholarship can be increased as provided for by the Training Activity Regulations for periods abroad, whether authorised by the Teaching Board. Starting from the second year of the Programme, PhD students will also have access to an annual budget, pursuant to article 9 of Italian Ministerial Decree 45/2013, to cover research activity-related expenses.</p>
<b>Research fellowship amount</b>	<p><b>19'367,00 euros</b> gross paid to the PhD student in monthly instalments.</p> <p>For a fair distribution of the resources and considering the higher amount of the research fellowship compared to the scholarship amount, please note that the research fellowship includes the contribution for the period abroad. Starting from the second year of the Programme, PhD students will also have access to an annual budget, pursuant to article 9 of Italian Ministerial Decree 45/2013, to cover research activity-related expenses.</p>
<b>Submission deadline for the online application</b>	<b>June 3<sup>rd</sup>, 2020 (1:00 PM CEST)</b>
<b>Documentation obligatory under penalty of exclusion, to be attached to the online application</b>	<ul style="list-style-type: none"> <li>a) pdf format copy of a valid identity document;</li> <li>b) Curriculum vitae et studiorum, CV;</li> <li>c) academic transcripts of examinations passed in degree courses, both for Bachelor and M.Sc. Degrees indicating the mark received for each one, showing any first class honours awarded; and specifying the average mark; a list of examinations passed, along with marks, in both the degree courses must be provided in order to be able to fully assess the candidate. Where required, those holding a qualification obtained abroad must indicate the minimum and maximum marks required for obtaining the same qualification, as well as the minimum and maximum marks possible for each individual examination; these documents have to be provided in English or Italian;</li> <li>d) <b>only for candidates who obtained their qualification abroad:</b> copy of the University Master Degree (to be translated in Italian or in English unless written in French, German or Spanish). Candidates that are going to obtain the M.Sc. Degree no later than October, 31<sup>st</sup> must submit a draft or a summary of their degree thesis;</li> <li>e) copy of the degree thesis– M.Sc. Degree - (or an abstract of at least 5 pages, with a photocopy of the cover page) and of any other qualification they deem appropriate (for example, articles published or submitted – with submission certification documents-, participation in courses, attendance at schools, internships, documents attesting to work experience or research carried out, if any; typewritten works are permitted); candidates that are going to obtain the M.Sc. Degree no later than the starting date of the Program must submit a draft or a summary of their degree thesis;</li> <li>f) names and contact details of at least two members of university teaching staff who monitored the candidate's education during his/her university studies; letters of reference, if any, may be sent directly by the member of teaching staff to the following email address: <a href="mailto:PhDBiorobotics@santannapisa.it">PhDBiorobotics@santannapisa.it</a>;</li> <li>g) a <b>non-binding</b> research plan of a maximum of 3500 words which must include (in English or in Italian): <ul style="list-style-type: none"> <li>1. the title of the research;</li> <li>2. the scientific premises and relevant bibliography;</li> <li>3. the aim and expected results of the research project;</li> <li>4. the experimental and data analysis methods, where necessary.</li> </ul> </li> </ul>



	<p>The purpose of submitting the research plan is to ascertain the candidate's vocation for research and his/her ability to submit an innovative, coherent and independent research plan; the said plan is not binding for the definition of the research plan to be carried out as part of the Programme.</p>
<b>Test examinations</b>	<p><b>Qualifications and Interview</b></p> <p>Selection will be performed through <b>an assessment of the qualifications listed in the section "documentation to be annexed to the online application"</b>, from points b) to e) inclusive, with the awarding of a maximum of 50 points, and an <b>interview</b>, for a maximum of 50 points. The Board will therefore award a score from 1 to 100, out of one hundred.</p>
	<p><i>Assessment of qualifications – maximum score possible: 50</i></p> <p><i>Interview- maximum score possible: 50</i></p> <p>1. The Examining Board will assess the scientific qualification, expressing a concise judgement and awarding a score out of fifty. <b>Those candidates obtaining a score of at least 35/50 in the assessment phase will be accepted for interview.</b></p> <p><b>Candidates are not required to be present during the assessment of qualifications.</b></p> <p>2. The interview may also be carried out by using electronic communications instruments which allow the candidate to be identified. The interview will entail a discussion about the qualifications submitted and the research plan, with the aim of ascertaining the candidate's vocation for research and his/her ability to submit an innovative, coherent and independent research plan. <b>Candidates obtaining a score below 35/50 will be excluded from the merit ranking list.</b></p> <p>3. The School will notify scholarship holders of their admission to the School using the email address given in the application; the said scholarship holders are required to confirm their acceptance by responding within 15 days: if the deadline is not met, the candidate will be excluded and the position may be awarded to the first suitable candidate on the ranking list.</p>
<b>Test schedule</b>	<p>The test schedule, the list of candidates selected for the interview and the general merit ranking list will be published at:</p> <p><a href="https://www.santannapisa.it/en/admissions/call-admission-phd-biorobotics-3">https://www.santannapisa.it/en/admissions/call-admission-phd-biorobotics-3</a></p> <p>The School will also notify those candidates selected for interview in a timely manner of the day and time of the same, <u>by writing to the email address specified in the application.</u></p>
<b>Information</b>	<p><a href="mailto:info-phdbiorobotics@santannapisa.it">info-phdbiorobotics@santannapisa.it</a> tel. +39.050.883.136 - + 39. 050.883.420 - +39.050.883.528</p>