



Annex 1

Ph.D. in BioRobotics

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

Coordinator	<p>Professor Arianna Menciassi e-mail: arianna.menciassi@santannapisa.it</p> <p>Deputy Coordinator: Professor Calogero Maria Oddo e-mail: calogero.oddo@santannapisa.it</p>
Language	Italian, English
Duration	3 years
Number of positions available	<ul style="list-style-type: none"> • <i>n. 12 with scholarship funded by the Scuola Superiore Sant'Anna and by BioRobotics Institute</i> on the six research themes of the Institute (https://www.santannapisa.it/en/institute/biorobotics/research-themes) <ul style="list-style-type: none"> ○ Wearable and Collaborative Technologies ○ Artificial Organs and Prostheses ○ Medical Robotics and Regenerative Medicine ○ Mathematical and Computational Modeling ○ Bioinspired and Soft Robotics ○ Bioelectronics and Neuroscience Robotics <p>Further positions may be activated on the basis of additional financial resources, for specific agreements or for apprenticeship contract. The additional positions will be published on the page https://www.santannapisa.it/en/education/call-application-2022-23-phd-biorobotics</p> <ul style="list-style-type: none"> • <i>Additional positions could be funded with research fellowships</i> lasting three years pursuant to article 22 of Italian Law 240/2010, from research funds of The BioRobotics Institute. Research grants will be assigned to eligible candidates who have not been awarded with a scholarship.
Scholarship amount	<p>16.000.00 euros gross paid to the Ph.D. student in deferred monthly instalments. The gross amount includes social security contributions payable by the recipient.</p> <p>The scholarship can be increased for periods abroad authorised by the Teaching Board.</p> <p>According to the art. 9 D.M. 226/21, PhD students will also have access to an annual budget, to cover research activity-related expenses.</p>
Research fellowship amount	<p>19.367,00 euros gross paid to the Ph.D. 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.</p> <p>According to the art. 9 D.M. 226/21 PhD students will also have access to an annual budget, to cover research activity-related expenses.</p>



<p>Submission deadline for the online application</p>	<p>June 1st, 2022 (1:00 PM CEST)</p>
<p>Documentation obligatory under penalty of exclusion, to be attached to the online application</p>	<p>a) copy of a valid identity document (pdf);</p> <p>b) motivation letter reporting the candidate's research objectives and prospective (max. 2 pages); the actual PhD research plan will be defined by each student together with his/her supervisor;</p> <p>c) Curriculum vitae et studiorum;</p> <p>d) academic transcripts of examinations passed in degree courses, both for Bachelor and M.Sc. Degrees indicating the mark received for each one and if available the ECTS (university credits), 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;</p> <p>e) only for candidates who obtained their qualification abroad: 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 September, 30th, must submit a draft or a summary of their degree thesis;</p> <p>f) copy of the degree thesis – M.Sc. Degree – (or an abstract of at least 5 pages, with a copy 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;</p> <p>g) reference contacts: name, surname and institutional e-mail address of two members of university teaching staff who monitored the candidate's education during his/her university studies; the teachers will receive a link where they could upload the letter of reference directly within 5 days after the submission deadline of this call;</p> <p>h) indication of maximum two research themes of potential interest among the six research themes of the BioRobotics Institute (https://www.santannapisa.it/en/institute/biorobotics/research-themes) and the additional themes/projects published on the page https://www.santannapisa.it/en/education/call-application-2022-23-phd-biorobotics</p> <ul style="list-style-type: none"> • Wearable and Collaborative Technologies • Artificial Organs and Prostheses • Medical Robotics and Regenerative Medicine • Mathematical and Computational Modeling • Bioinspired and Soft Robotics • Bioelectronics and Neuroscience Robotics • Other (selection among those on the page https://www.santannapisa.it/en/education/call-application-2022-23-phd-biorobotics) <p>i) indication of maximum three supervisors (potential, with priority order) wished by the candidate and selected among the members of the Faculty of the BioRobotics Institute (https://www.santannapisa.it/en/institute/biorobotics/faculty) and the members of the Faculty Board of the PhD in BioRobotics (https://www.santannapisa.it/en/education/faculty-board); the actual supervisor for</p>



	<p>each student will be appointed by the Faculty Board keeping into account the student's preferences (as stated in the application for admission) and the availability of the potential supervisors.</p>
Test examinations	<p>Qualifications and Interview</p> <p>The selection will be performed through an assessment of the qualifications listed in the section “documentation to be annexed to the online application”, from points c) to f) inclusive, with the awarding of a maximum of 50 points, and an interview, for a maximum of 50 points. The Board will therefore award a score from 0 to 100, out of one hundred.</p>
	<p><i>Assessment of qualifications – maximum score: 50</i></p> <p><i>Interview – maximum score: 50</i></p> <p>1. The Examining Board will assess the scientific qualification, expressing a concise judgement and awarding a score out of fifty. Those candidates obtaining a score of at least 35/50 in the assessment phase will be accepted for interview.</p> <p>Candidates are not required to be present during the assessment of qualifications.</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, aimed at verifying the background knowledge and the scientific/technical skills, and the research prospective, with the aim of ascertaining the candidate's motivation and inclination for research. Candidates obtaining a score below 35/50 will be excluded from the merit ranking list.</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>
Test schedule	<p>The test schedule, the list of candidates selected for the interview and the general merit ranking list will be published at: https://www.santannapisa.it/en/education/phd-biorobotics</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>
Information	<p>info-phdbiorobotics@santannapisa.it tel. +39.050.883.136 - + 39. 050.883.420 - +39.050.883.528</p>