


Annex 1

Ph.D. in BioRobotics

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

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<p>Language</p>	<p>Italian, English</p>
<p>Duration</p>	<p>3 years</p>
<p>Number of positions available</p>	<ul style="list-style-type: none"> • n. 20 positions with scholarship funded as described below: <ul style="list-style-type: none"> ○ n.1 scholarship related to the activities of the Department of Excellence in Robotics & AI ○ n. 2 scholarships related to the NRRP Project of Research Infrastructure Biorobotics Research and Innovation Engineering Facilities (BRIEF, CUP: J13C22000400007) ○ n. 6 scholarships co-funded by Scuola Superiore Sant'Anna and BioRobotics Institute; ○ n. 11 scholarships co-funded by Scuola Superiore Sant'Anna funds and with the European Union – NextGenerationEU, National Recovery and Resilience Plan (NRRP), as below detailed: <div style="display: flex; align-items: center; margin-top: 10px;">  <div> <p>Funded by the European Union NextGenerationEU</p> </div> </div> <ul style="list-style-type: none"> - 6 “NRRP Ph.D. Scholarships” co-funded by Scuola Superiore Sant'Anna funds and with the European Union – NextGenerationEU, National Recovery and Resilience Plan (NRRP) Mission 4, Component 1, Investment 4.1, in compliance with Ministerial Decree n. 118/2023, and focusing on the following areas of interest of the NRRP: <ul style="list-style-type: none"> • Green transition • Digital transformation • Smart, sustainable, and inclusive growth • Social and territorial cohesion • Health and economic, social and institutional resilience • Policies for new generations, women, children, and young people - 1 “NRRP Ph.D. Scholarship” co-funded by Scuola Superiore Sant'Anna funds and with the European Union – NextGenerationEU, National Recovery and Resilience Plan (NRRP) Mission 4, Component 1, Investment 3.4, in compliance with Ministerial Decree n. 118/2023, “Digital and Environmental Transitions” and focusing on the following areas of interest of the NRRP: <ul style="list-style-type: none"> • Green transition • Smart, sustainable, and inclusive growth • Social and territorial cohesion • Health and economic, social and institutional resilience



- 2 "NRRP Ph.D. Scholarships" co-funded by Scuola Superiore Sant'Anna funds and with the European Union – NextGenerationEU, National Recovery and Resilience Plan (NRRP) Mission 4, Component 1, Investment 4.1, in compliance with Ministerial Decree n. 118/2023, "Public Administration" and focusing on the following areas of interest of the NRRP:

- Digital transformation
- Social and territorial cohesion
- Health and economic, social and institutional resilience

- 1 "NRRP Ph.D. Scholarship" funded by the European Union – NextGenerationEU, National Recovery and Resilience Plan (NRRP) Mission 4, Component 2, Investment 3.3, in compliance with Ministerial Decree n. 117/2023, "Introduction of innovative doctorates that respond to the innovation needs of businesses and promote the recruitment of researchers from businesses" co-funded by MEDICA SpA and focusing on the research theme "*Development of spectral sensors for analysis of physiological parameters and markers.*"

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Based on specific agreements with individual companies, additional scholarships funded by the European Union – NextGenerationEU, under the National Recovery and Resilience Plan (NRRP), Mission 4, Component 2, Investment 3.3, in compliance with Ministerial Decree n. 117/2023 – "Introduction of innovative doctorates that respond to the innovation needs of businesses and promote the recruitment of researchers from businesses" may become available.



Funded by
the European Union
NextGenerationEU

Further positions may be activated on the basis of additional financial resources, for specific agreements or for apprenticeship contract. Moreover, additional scholarships may be available in the framework of the following projects funded by the European Union - NextGenerationEU:

- Project "**THE** - Tuscany Health Ecosystem" (CUP J13C22000420001), Mission 4, Component 2, Investment 1.5 of NRRP;
- Project "**EBRAINS** European Brain ReseArch INfrastructureS-Italy", area ESFRI "Health and Food" (CUP B51E22000150006), Mission 4, Component 2, Investment 3.1 of NRRP;
- Project "**ROGER** - RObot-Assisted Gross pathology Examination of solid tumoRs" (CUP J85E22000810009), Mission 6, Component 2, Investment 2.1 of NRRP;
- Project "**MNESYS** - A Multiscale integrated approach to the study of the NErvous SYStem in health and disease" (CUP J83C22001400002), Mission 4, Component 2, Investment 1.3 of NRRP;
- Project "**MAD-2022-12376927** The etiopathological basis of gait derangement in Parkinson's disease: decoding locomotor network dynamics" (CUP J84E22000650006), Mission 6, Component 2, Investment 2.1 of NRRP;



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	<p>Additional positions will be published on the page https://www.santannapisa.it/en/training/call-application-phd-biorobotics-23-24</p>
Scholarship amount	<p>Euro 18.800 gross beneficiary paid in deferred monthly instalments. The amount is inclusive of social security charges.</p> <p>In addition, students can take advantage:</p> <ul style="list-style-type: none"> • 26 free monthly meals at the school canteen excluding academic holiday periods; • an increase of € 4.700 gross beneficiary for the period of study and research abroad, subject to the authorization of the Faculty Board; • a budget of € 5.640 to be allocated to cover expenses related to the research activity • an additional contribution of € 2,200/year as reimbursement for accommodation costs to be paid based on Equivalent Economic Status Index (ISEE).
Submission deadline for the online application	<p>May 31st, 2023 (1:00 PM CEST)</p>
Documentation to be attached to the online application	<ol style="list-style-type: none"> copy of a valid identity document (pdf); motivation letter (3 pages maximum); this must include: (i) motivation to pursue a Ph.D. in BioRobotics; (ii) possible research objectives; (iii) possible research activities aimed at reaching such objectives (please use the attached template). The actual Ph.D. research plan will be defined by each student together with his/her supervisor; Curriculum vitae et studiorum; 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; 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). 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 September 30th, 2023, must submit a draft or a summary of their degree thesis; 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; indication of maximum three research lines of potential interest among those published on the page https://www.santannapisa.it/it/formazione/phd-biorobotics/linee-di-ricerca
Test examinations	<p>Qualifications and Interview</p> <p>The selection, aimed at evaluating the specific knowledge and skills and the motivation and inclination for research, will be performed through an assessment of the qualifications listed in the section “documentation to be attached to the online</p>

	<p>application", from points c) to f) inclusive, and of the received reference letters, 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.</p>
	<p><i>Assessment of qualifications – maximum score: 50</i> <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 and on the research perspectives, aimed at verifying: a) the background knowledge and the scientific/technical skills; b) 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>