



<b>PhD programme</b>	<b>SCIENZE DELLA VITA-LIFE SCIENCES</b>
Coordinator	<b>Massimo Valoti</b> , massimo.valoti@unisi.it
Department	Scienze della Vita DSV
Open positions	<b>15</b> (candidates may apply to more than one position following the online procedures)
of which:	

<i>n.</i>	<i>Funding institution(s)</i>	<i>Research topic</i>	
<b>Positions with scholarship</b>			
A.	1	University of Siena	Role of the placenta in fetal-maternal crosstalk(PLA-NET)
B.	1	University of Siena	Functional proteomics investigations in rare disorders. (ProRARE)
C.	1	University of Siena	The extracellular matrix in benign proliferative pathologies(EXTRAPOL)
D.	1	University of Siena	Biochar and wood distillate for a sustainable agriculture (BIODAS)
E.	1	DSV (Univ. Siena)	Advancement of Innovative Delivery Systems for the development of effective Multivalent Vaccine (IDSMV)
F.	1	University of Siena/Stelvio National Park	Ecosystem relationships in a community of vertebrates (REVERT)
G.	1	University of Siena/Vismederi	Development and validation of bioanalytical method for evaluation of the efficacy of of new vaccines against SARSCov2 (NVAX)
H.	1	Gran Paradiso National Park	Interspecific relationships of alpine chamois (RICAM)
I.	1	Regione Toscana/Borsa Pegaso, 6 monts abroad/ 3 months traineeship	Study of the nutraceutical properties of Tuscan functional foods such as extra virgin olive oil through a multidisciplinary approach of Big Data Analysis, target fishing and artificial intelligence models (NUTRAFISHING)
J.	1	Regione Toscana/Borsa Pegaso, 0 months abroad, 3 months traineeship	Smart foods for innovative health technologies (SOOTHIES)
K.	1	Regione Toscana/Borsa Pegaso, 6 monts abroad	Characterization of the cytotoxic activity of natural and engineered SMAPS in chronic lymphocytic leukemia (SMAP-CLL)
L.	1	Regione Toscana/Borsa Pegaso, 6 monts abroad	MOlecular tools to study historic and recent pathways of entry and spread for the invasive JAPanese beetle (MOJAP)
M.	1	Regione Toscana/Borsa Pegaso, 6 monts abroad	Role of oxidative metabolism in neuro-degeneration promoted by xenobiotics (MOLINA)
<b>Positions reserved for High level apprenticeship</b>			
N.	1	Vismederi	Evaluation of immune responses elicited by SARSCov2 vaccine administration by different validated analytical assays (SAGS)
<b>Positions without scholarship</b>			
O.	1		Terpene profiling in leaves and flower of improved hemp genotypes (PROFHEMP)

Type of rankings	Single ranking list for every position with a defined research topic
Documents required for evaluation (to be attached during online application)	<ul style="list-style-type: none"> <li>• <b>Curriculum vitae et studiorum</b> (duly signed at the bottom with the following declaration “<i>Hereby I declare that what reported above corresponds to the truth, according to the Decree of the President of the Italian Republic 445/2000</i>”), indicating qualification obtained (or to be obtained by 31 October 2021) with the issuing institution and a list of publications</li> <li>• <b>Cover letter</b> (in English): (description of the reasons for the frequency of the Doctorate in Life Sciences with references to the interest in the project for which the candidate would apply). To be repeated for each application</li> <li>• <b>Reference letters</b>, if any (not more than 2) of Italian or international university professors and/or research professionals (no letters must be uploaded, but the email address(es) of the persons be indicated during the application procedure)</li> <li>• <b>Thesis abstract</b> of <i>Laurea Magistrale/Specialistica/Vecchio ordinamento</i> or</li> </ul>

	<p>equivalent foreign degree translated into Italian, English or French (2 pages max.)</p> <ul style="list-style-type: none"> <li>• <b>English language certification</b> (min. level B2), if any</li> </ul> <p>Eligibility of foreign degrees (to be translated into Italian, English or French) is ascertained by the selection committee in accordance with relevant regulations and international agreements on the recognition of qualifications for further studies.</p> <p>The knowledge of the English language level B1, if not certified, will be verified by the selection committee.</p> <p>Candidates who achieved (or will achieve by 31 October 2021) the <b><u>diploma di laurea at an Italian university</u></b> have to specify, in their curriculum, all the data on the university path and the title of admission, in particular:</p> <ul style="list-style-type: none"> <li>• University issuing the title</li> <li>• type of <i>laurea – vecchio ordinamento/specialistica/magistrale</i>;</li> <li>• degree course name</li> <li>• list of exams with marks</li> <li>• date of obtaining the title and final mark or expected date of obtaining the title (by 31 October 2021).</li> </ul> <p>Candidates who achieved (or will achieve by 31 October 2021) their <b><u>degree at a foreign university</u></b> (with a duration of at least four years) have to specify in their curriculum:</p> <ul style="list-style-type: none"> <li>• University issuing the title</li> <li>• type of degree (min. duration four years) – <i>Bachelor’s degree/ Master’s degree</i> date of obtaining the the title and final mark or expected date of obtaining the title (by 31 October 2021).</li> </ul> <p>Candidates with a foreign degree have to attach to the online presentation also the following documentation:</p> <ul style="list-style-type: none"> <li>• <b>transcript</b> – certification of the title with the list of exams and votes – with a translation in Italian or English</li> <li>• <b>Diploma supplement</b> (if available).</li> </ul>
Web site for further information	<a href="https://www.dsv.unisi.it/it/didattica/post-laurea/dottorati">https://www.dsv.unisi.it/it/didattica/post-laurea/dottorati</a>
Selection modalities	<ul style="list-style-type: none"> <li>• Evaluation of qualifications and curriculum vitae</li> <li>• Interview</li> </ul>
Admission requirements	<b>All types of masters’ degree</b>
Exam procedures	<p>The overall score is given by the sum of scores achieved in the single evaluations and exam(s). The minimum score for eligibility is 60/100.</p> <p><b>Evaluation of qualifications:</b> presence of applicants is not allowed during the evaluation procedure</p> <p>Minimum score for admission to the oral examination: 20/40.</p> <p><b>Interview:</b> The availability of accepting the research topic will be ascertained for topic-specific scholarships during the interview.</p> <p>Minimum score for passing the oral examination: 40/60.</p> <p>Candidates admitted and resident or domiciled abroad can make the interview by video conference. The virtual classroom on the Google Meet platform to connect to will be communicated on the website: <a href="https://www.dsv.unisi.it/it/didattica/post-laurea/dottorati">https://www.dsv.unisi.it/it/didattica/post-laurea/dottorati</a>.</p> <p>The results of each test will be published on the PhD website <a href="https://www.dsv.unisi.it/it/didattica/post-laurea/dottorati">https://www.dsv.unisi.it/it/didattica/post-laurea/dottorati</a>. and be communicated to the participants by the selection committee.</p>
Dates of evaluation and exam(s)	6 September 2021 – evaluation of qualifications 15, 16, 17 September 2021 - interviews of selected candidates
Selection committee	The composition of the selection committee will be published after the deadline for application.