

PhD Programme	SCIENZE DELLA VITA – LIFE SCIENCES		
COORDINATOR	Massimo Valoti massimo.valoti@unisi.it		
Department	Scienze della Vita -		
Duration	3 years		
	Candidates can apply to more than one position Online registrations will open on 9 May 2019		
Total number of position	13		
Of which:			
Positions with scholarships funded by the University of Siena mandatory: 3 months to be spent abroad	1	Research topic: “Study on terrestrial invertebrate communities and ecosystem responses to climate change disturbance in the “low biodiversity” habitats of Antartica (INCOREPOLAR)”	
	1	Research topic: “Identification and characterization, by functional proteomic approaches, of biomarkers and molecular pathways of onset, development and therapeutic monitoring of interstitial lung diseases (BioPathILD)”	
	1	Research topic: “Characterization of the signaling pathways governing astrocytes functional polarization, release of extracellular vesicles and responses to therapy during neuroinflammation: focus on the molecular adaptor ShcC/Rai (AstroPREV)”	
Positions with scholarships funded by Department of Life sciences mandatory: 3 months to be spent abroad	1 to be established	DEPARTMENT OF LIFE SCIENCES	Research topic: “Deep characterization of the molecular Mode of Action of host responses to GMMA vaccines (HRGMMA)”
Positions with scholarships funded by external bodies mandatory: 3 months to be spent abroad	1 to be established	Strada del Vino Nobile di Montepulciano e dei Sapori della Valdichiana	Research topic: “Geographical traceability of olive oil from Valdichiana Senese (TRACOIL)”
	1 To be established	VisMederi Research SRL	Research topic: “Development and validation of bioanalytical method for the registration of new vaccines (DEVAX)”
Positions with scholarships funded by Regione Toscana/Pegaso 2019 FSE progetto giovanisì mandatory: 6 months to be spent abroad	1	Regione Toscana/Pegaso 2019 FSE scholarship	Research topic: “Characterization of genetic and qualitative profiles (nutraceutical, toxicological) of ancient Tuscan varieties (NUTRAPIANTE)”
	1	Regione Toscana/Pegaso 2019 FSE scholarship	Research topic: “Nanosystems based on natural compounds from the Tuscan agro-food sector for cardiovascular applications (NUTRAHEART)”
	1	Regione Toscana/Pegaso 2019 FSE scholarship	Research topic: “Synthesis and pharmacological evaluation of novel endocannabinoid modulators potentially useful in neurodegenerative disorders (NEUROCAN)”
	1	Regione Toscana/Pegaso	Research topic:

		2019 FSE scholarship	“Characterization of the intraflagellar transport system in lytic granule biogenesis in cytotoxic T cells (LYGRIFT)”
	1	Regione Toscana/Pegaso 2019 FSE scholarship	Research topic: “Assessment and harmonization of immunological assays for vaccines against emerging viral diseases (EmerVax)”
	1	Regione Toscana/Pegaso 2019 FSE scholarship	Research topic: “Characterization of sugary secretions involved in plant-animal relationships (CaSSPAR)”
Positions reserved for employees engaged in highly qualified activities (with salary maintenance)	0		
Positions reserved for graduate students at foreign universities	0		
Positions reserved for foreign scholarship holders	0		
Positions reserved for scholarship holders within international mobility projects	0		
Positions reserved for research fellows	0		
Positions without a scholarship	1		Research topic: “Exploring barriers to immunization Coverage in Urban Areas within a Sub-Saharan African Setting (IcovAfr)”
Type of ranking	ONE RANKING LIST FOR EACH POSITION WITH A DEFINED TOPIC		
Documents required for evaluation (to be provided along with mandatory documents by the online procedure)	<p>Declaration (the form is available on this page) that must be signed in accordance with DPR 445/2000 and include the Curriculum Vitae et Studiorum with the following information:</p> <ul style="list-style-type: none"> • applicant’s personal details • type of degree and final mark achieved (or to be obtained within October 31, 2019) in Italy; • type of degree and final mark achieved (or to be obtained within October 31, 2019) abroad (indicating type of the Degree - Bachelor's Degree / Master's Degree, duration of at least four years); • University that issued (or will issue) the title • list of exams with marks - only for qualifications obtained in Italy • date of graduation, or expected date of graduation (within October 31 2019) • list of publications (if any) • language, technical and computer skills • other skills and competences • any other useful information by the applicant <p>Applicants who have obtained (or will obtain by October 31 2019) the foreign academic qualification (lasting at least four years) must also submit online:</p> <ul style="list-style-type: none"> • transcript - certificate of the title with list of exams and grades – translated into Italian or English; • Diploma supplement (if available). 		

	<p>All applicants must also submit by the online procedure:</p> <ul style="list-style-type: none"> • Cover letter (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 intends to compete) 1 for each project • Letters of reference (no more than two) from University professors and/or professional researchers; the candidate will have should provide their email addresses during the registration • Abstract of degree thesis (Italian or English) • Level B2 English knowledge certificate (if acquired); • copy of any other document useful to support the admissibility of the qualification title <p>The compliance of the foreign qualification is verified by the Examining Board in accordance with the relevant laws and international agreements concerning the recognition of qualifications for the purpose of continued education Knowledge of English at level B2, if not certified, will be ascertained by the Examining Board.</p>
In-depth website	https://www.dsv.unisi.it/it/didattica/post-laurea/dottorati
Selection method	Evaluation of qualifications and curriculum vitae Interview
Access requirement	<p>LM-6 Biologia LM-7 Biotecnologie agrarie LM-8 Biotecnologie industriali LM-9 Biotecnologie mediche, veterinarie e farmaceutiche LM-13 Farmacia e farmacia industriale LM-41 Medicina e chirurgia LM-42 Medicina veterinaria LM-54 Scienze chimiche LM-60 Scienze della natura LM-61 Scienze della nutrizione umana LM-69 Scienze e tecnologie agrarie LM-70 Scienze e tecnologie alimentari LM-73 Scienze e tecnologie forestali ed ambientali LM-75 Scienze e tecnologie per l'ambiente e il territorio 6/S (specialistiche in biologia) 7/S (specialistiche in biotecnologie agrarie) 8/S (specialistiche in biotecnologie industriali) 9/S (specialistiche in biotecnologie mediche, veterinarie e farmaceutiche) 14/S (specialistiche in farmacia e farmacia industriale) 46/S (specialistiche in medicina e chirurgia) 47/S (specialistiche in medicina veterinaria) 62/S (specialistiche in scienze chimiche) 68/S (specialistiche in scienze della natura) 69/S (specialistiche in scienze della nutrizione umana) 74/S (specialistiche in scienze e gestione delle risorse rurali e forestali) 77/S (specialistiche in scienze e tecnologie agrarie) 78/S (specialistiche in scienze e tecnologie agroalimentari) 82/S (specialistiche in scienze e tecnologie per l'ambiente e il territorio)</p>
Methods of conducting the tests	<p>Minimum score for eligibility 60/100.</p> <p>Evaluation of qualifications: presence of applicants is not allowed during the evaluation procedure Minimum score for admission oral test: 20/40.</p> <p>Interview: 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 who, due to proven impossibility, could not present themselves for interview, may ask to the Commission for taking the test by video conference (Skype) (please insert the the video-conference request during the online procedure)</p> <p>The results of each test will be published on the doctoral website and will be communicated to the participants by the examining commission.</p>
Date of the tests	<p>Oral test: July 24 and 25 2019 at 9.30 am, Aula seminari Department of Life sciences– Siena – Via Aldo Moro 2</p>
Examining Board	<p>President: Luca Bini (Professore ordinario – UNISI)</p> <p>Members: Massimo Nepi (Professore associato - UNISI) Cristina Ulivieri (Ricercatore – UNISI)</p> <p>Experts: Silvia Grappi (VisMederi srl) Stefano Biagiotti (Qualità e sviluppo rurale – Montepulciano – SI)</p> <p>Substitute members: Pietro Lupetti (Professore ordinario – UNISI) Marco Macchia (Professore ordinario – UNISI) Massimo Valoti (Professore ordinario – UNISI)</p>