

Second selection notice for admission to PhD courses – 39th cycle
Annex 13

PhD in	Scienze della Vita – Life Sciences Administrative seat Università degli Studi di Siena - in cooperation with Università di Pisa, Università di Firenze and CNR-IBE
Coordinator	Simona Maccherini , simona.maccherini@unisi.it
Department	Scienze della Vita (DSV)
Attendance	mandatory
Open positions	17
Of which:	

	n.	Funding institution(s)	Research topic
Positions with scholarship			
A.	1	Università di Siena	Proteomic analysis for biomarkers and molecular pathways identification for the diagnosis, treatment and monitoring of rare and infective diseases (ProRareInf)
B.	1	Università di Siena	High-resolution surface morphometry of erythrocytes: experimental validation of a new biomarker for Autism Spectrum Disorders (ASD) (AUTMARK)
C.	1	Università di Pisa	Study of nutraceutical compounds in Tuscan functional foods and in processing wastes (TOSCONUTRA)
D.	1	Università di Firenze	The effects of a chronotype- adjusted diet on weight loss and on the gut microbiota-immunity axis (ON-TIME)
E.	1	CNR-IBE	Urban water resources for improvement of agricultural and tree production: technological advancements and impact on the formation of secondary metabolites in olive (IMPROWATER)
F.	1	Dipartimento di Scienze della Vita/GSK	An integrated in vitro approach to enhance the predictive capabilities of preclinical studies on the balance of human toxicity VS “good reactogenicity” (PIA)
G.	1	Regione Toscana/Pegaso	Bioactives from plant extracts and application in nanomaterials for biomedical device-tissue interface (BASILAR) (Specific research topic, 6 months abroad, 3 months traineeship/internship)
H.	1	Regione Toscana/Pegaso	Microbiota-Immunity Axis: Functional food for the modulation of inflammation and muscle damage in gastrointestinal pathologies (AMICI) (6 months abroad)
I.	1	Regione Toscana/Pegaso	Search for new pharmacological targets to restore apoptosis of chronic lymphocytic leukemia cells (DEATH-CLL) (6 months abroad)
J.	1	Regione Toscana/Pegaso	Role of gut microbiota on mucosal and systemic immunity and inflammation in ageing (MICROIMMAGE) (6 months abroad)
K.	1	Regione Toscana/Pegaso	Effect of maternal environmental stress on fetal brain vasculature (Brain-EVA) (6 months abroad)
Positions with DM 118 scholarship			
L.	1	MUR/Università di Siena	Transizioni ambientali e digitali: Characterization of Eco-chemical Interaction between floral Nectar, Pollinators and Yeasts (CEINPY) (6 months abroad, 6 months traineeship/internship)
M.	1	MUR/ Università di Siena	Ricerche PNRR: Characterization of molecular mechanisms involved in cytotoxic T cell migration (CYT-MIG) (6 months abroad)
N.	1	MUR/ Università di Siena	Ricerche PNRR: Cardiovascular targets for novel naturally-occurring and synthetic compounds (OCTOPUS) (6 months abroad)
Positions with DM 117 scholarship			
O.	1	MUR/Vismederi s.r.l.	Development and validation of bioanalytical method for evaluation of serological and cellular assays for new emerging infectious disease and neglected viruses (VALVIR) (6 months abroad, 6 months traineeship/internship)

P.	1	MUR/Vismederi s.r.l.	Global Health and immunization; antibody titer and vaccines coverage in development countries (GLOIM) (6 months abroad, 6 months traineeship/internship)
Q.	1	MUR/Fondazione TLS	Mechanisms of SARS-CoV-2 immunosuppression mediated by the interactions of viral proteins with T lymphocytes (SARS-T) (6 months abroad, 6 months traineeship/internship)

Type of rankings	<ul style="list-style-type: none"> Stand-alone ranking lists for each position (A-Q)
Documents required for evaluation (to be attached during online application)	<ul style="list-style-type: none"> Curriculum vitae et studiorum, containing a statement of the access title held with the issuing institution in addition to a list of any publications Cover letter in English: description of motivations for attending the PhD in Scienze della Vita - Life Sciences with any references to the interest in the project(s) for which the candidate intends to apply. The cover letter can be the same for each project. Reference letters (no more than two) of Italian and international academics and/or research professionals (letters shall not be uploaded, but e-mail addresses of the contact persons are to be provided) Thesis abstract of Laurea Magistrale/Specialistica/vecchio or equivalent foreign degree translated into Italian, English or French (max. 2 pages) English language certification, level B2, if available (optional) <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>Candidates who achieved (or will achieve by 31 October 2023) the diploma di laurea at an Italian university 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"> University issuing the title type of laurea – vecchio ordinamento/specialistica/magistrale; degree course name list of examinations with votes date of obtaining the title and final vote or expected date of obtaining the title (by 31 October 2023). <p>Candidates who achieved (or will achieve by 31 October 2023) their degree at a foreign university (with a duration of at least four years) must specify in their curriculum:</p> <ul style="list-style-type: none"> University issuing the title type of degree (min. duration four years) – Bachelor’s degree/ Master’s degree date of obtaining the title and final vote or expected date of obtaining the title (by 31 October 2023). <p>Candidates with a foreign degree must attach to the online presentation also the following documentation:</p> <ul style="list-style-type: none"> transcript – certification of the title with the list of exams and votes – with a translation in Italian or English Diploma supplement (if available)
Web site for further information	https://www.dsv.unisi.it/it/didattica/post-laurea/dottorati
Selection modalities	<ul style="list-style-type: none"> Evaluation of qualifications and curriculum vitae Interview
Admission requirements	All masters’ degrees (<i>lauree magistrali, specialistiche, a ciclo unico e vecchio ordinamento</i>)
Exam procedures	The overall score is the sum of the scores obtained in the individual assessments and tests. The minimum score for eligibility is 60/100 .

	<p>Evaluation of qualifications: Candidates are not allowed to be present during the evaluation. Minimum score for admission to the interview: 20 (maximum 40).</p> <p>Interview: during interview, the willingness to accept the research topic will be ascertained. Minimum score for passing the oral examination: 40 (maximum 60).</p> <p>Candidates admitted to the interview and residing or domiciled in Italy or abroad will be allowed to take the test online via videoconference. The virtual classroom on the Google Meet platform to connect to will be notified on the PhD website: https://www.dsv.unisi.it/it/didattica/post-laurea/dottorati</p> <p>The candidates who are eligible for the interview after the evaluation of qualifications will be convened by the selection committee.</p> <p>The results of each test will be published on the PhD website (see link above).</p>
Dates of evaluation and exam(s)	<p>Evaluation of qualifications: 30 August 2023 Interview: 11, 14 and 15 September 2023</p>
Selection committee	<p>The composition of the committee will be published after the deadline for application.</p>