PhD in	**Medical Biotechnologies**
Coordinator	Francesco Iannelli (francesco.iannelli@unisi.it)
Department	Biotecnologie Mediche DBM
Attendance	Non mandatory
Positions	**20**
of which:	

	n.	Funding institution(s)	Research topic
Positions with scholarship			
A.	3	Università di Siena	No research topic restriction
B.	1	Dipartimento di Biotecnologie Mediche	Specific research topic: Virus-host interaction and monitoring of emergent viruses
C.	1	Dipartimento di Biotecnologie Mediche	Specific research topic: Development of experimental tools to measure antibodies neutralizing activity against viruses of interest for Global Health
D.	2	Dipartimento di Biotecnologie Mediche	Specific research topic: Investigating the immune response to bacterial infections
Positions with DM 118 scholarship			
E.	2	MUR/Università di Siena	PNRR research pursuant to DM 118 of 2 March 2023 (6 months abroad)
Positions with DM 117 scholarship			
F.	1	MUR/Kedrion Spa	Specific research topic: Artificial intelligence techniques for optimising plasma-derived therapies (6 months abroad, 6 months traineeship/internship)
G.	1	MUR/Bioarte	Specific research topic: Establishment of a model for in vitro studies of fecal microbiota composition, stability and metabolic activity (6 months abroad, 6 months traineeship/internship)
H.	1	MUR/Qasir Alsham	Specific research topic: Operative dentistry with direct and indirect dental restorations (6 months abroad, 6 months traineeship/internship)
I.	1	MUR/VANEST Medical and Dental Ltd	Specific research topic: Operative dentistry with direct and indirect dental restorations (6 months abroad, 6 months traineeship/internship)
Positions reserved for scholarship holders from foreign countries			
J.	2		No research topic restriction
Positions without scholarship			
K	5	//	No research topic restriction

Type of rankings	● One single ranking list for positions with no research topic restrictions (positions A, J, K) ● Stand-alone ranking lists for each position with specific research topic (positions B, C, D) ● Stand-alone ranking list for positions with DM 118 scholarship (position E) ● Stand-alone ranking lists for positions with DM 117 scholarship (positions F, G) ● One single ranking list for positions with DM 117 scholarship and specific research topic (positions H and I)
Documents required for evaluation (to be attached during online application)	● **Curriculum vitae et studiorum**, containing a statement of the access title held with the issuing institution in addition to a list of any publications ● **Research project** (max. 1 page in English) ● **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 ordinamento* or equivalent foreign degree translated into Italian or English (max. 1 page) ● English language certification, level B2, if available (optional) 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.

	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: ● University issuing the degree ● 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). 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: ● University issuing the degree ● 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). Candidates with a foreign degree must attach to the online presentation also the following documentation: ● **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://sites.google.com/a/dbm.unisi.it/medicalbiotechnologies/home
Selection modalities	1 – Evaluation of qualifications 2 – Oral examination
Admission requirements	All masters' degrees
Exam procedures	The overall score is the sum of the scores obtained in the evaluation of qualifications and the interview. The minimum score for eligibility is 60/100. Evaluation of qualifications: minimum score 20 points, maximum score 40 points. A minimum of 20 points is required for admission to the oral examination. Oral examination: minimum 40 points, maximum 60 points. The examination will consist of the candidate's presentation of his or her research project in English. English language abilities will be assessed during the test. The presentation should ideally be completed in 7 minutes, but may last up to a maximum of 10 minutes. The results of each test will be published on the PhD website.
Dates of evaluation and exam(s)	Evaluation of qualifications: 11 September 2023 Oral examination: **15 September 2023, 09:00** Complesso Didattico del Policlinico le Scotte
Selection committee	The composition of the committee will be published after the deadline for application.