

PHD PROGRAMME TABLE
Announcements of competition for admission to PhD Courses
41st cycle, Academic Year 2025/2026

PhD Course: MOLECULAR AND REGENERATIVE MEDICINE

Available positions: 8

Evaluation Methods: based on academic and research record and interview

Number of selections: 4

The Course provides for four selective procedures depending on the type of positions available. Candidates interested in more than one selection procedure must submit an application and pay the relevant fee of € 25.00 for each procedure in which they wish to participate.

The selection is intended to verify the candidate's preparation and aptitude for conducting research activities related to the topics of the PhD Course.

Available positions:

Selection	Place n.	Description	Financial support	Specific research topic
Selection 1	1	Scholarship	University scholarship	-
Selection 1	2	Scholarship	University scholarship	-
Selection 1	3	Scholarship	University scholarship funded by Fondazione di Modena	-
Selection 1	4	Position without scholarship	-	-
Selection 1	5	Position without scholarship	-	-
Selection 2	6	Scholarship	Scholarship funded by Local Health Unit / IRCCS Reggio Emilia	Identification of transcriptional circuits involved in the progression of malignant pleural mesothelioma
Selection 3	7	Scholarship	Scholarship funded by MUR "Excellent Departments 2023-27" - Department of Maternal, Child and Adult Medical and Surgical Sciences – University of Modena and Reggio Emilia - CUP E53C23000170001	Molecular and gene-targeted therapies for iron overload diseases (genetic disorders and chronic diseases with complex genetic basis)
Selection 4	8	Scholarship	Scholarship funded by SustainableATMP project - Fondo Italiano per le Scienze Applicate (FISA 2022) CUP E53C24004200001 - Prof.ssa G. Pellegrini	Sustainable new strategic model for a sustainable development and Maintenance of advanced therapies

Areas of the PhD Programme: The PhD course includes two training courses: the curriculum in Molecular and Regenerative Medicine and the curriculum in Nanotechnologies and Modeling for Industrial Biomedical Applications. The courses include, in addition to research and laboratory activities, lectures and seminars on molecular and cellular mechanisms of human diseases, mechanisms of cell differentiation and gene therapy, structural biology, computational biology, biomaterials.

Official course language: English. However, all the PhD students are encouraged to learn the Italian language during the course of study.

Further information is available from the PhD Programme website at:

<http://www.mrm.unimore.it/site/home.html>

Selection 1: Main selection procedure (for positions funded by scholarships without a specific topic and for positions without scholarships)

Admission requirements:

Italian second cycle master's degree ("laurea magistrale", under D.M. 270/04) in the following disciplines: LM-6 Biology, LM-8 Industrial biotechnology, LM-9 Medical, veterinary and pharmaceutical biotechnology, LM-13 Pharmacy and industrial pharmacy, LM-41 Medicine and surgery, LM-54 Chemical Sciences, or equivalent Italian second cycle master's degree ("laurea specialistica", under D.M. 509/99) in one of the following disciplines: 6/S Biology, 8/S Industrial biotechnology, 9/S Medical, veterinary and pharmaceutical biotechnology, 14/S Pharmacy and industrial pharmacy, 46/S Medicine and surgery, 62/S Chemical Sciences; Italian degree obtained prior to D.M. 509/99 (the previous Italian regulations) in biological sciences, in agro-industrial biotechnology, in biotechnology for industrial biotechnology, in biotechnology for pharmaceutical biotechnology, in biotechnology for medical biotechnology, in biotechnology for veterinary biotechnology, in pharmaceutical chemistry and technology or chemistry and pharmaceutical technology, in pharmacy, in medicine and surgery, in chemistry, or Second cycle non-Italian Master's degree, equivalent to the Italian degrees mentioned above, in accordance with Article 2 of this Call.

Evaluation criteria:

In the evaluation of candidates' qualifications, the Selection Committee assigns scores up to a total of 60 points, as follows:

- degree mark, if already obtained, or marks obtained in the exams: from 0 to 30 points,
- curriculum and professional experience: from 0 to 10 points,
- publications: from 0 to 5 points,
- Statement of Research Interest: from 0 to 15 points.

Candidates awarded at least 40/60 in the assessment of academic and research record will be admitted to the interview.

Candidates may opt to have their interview in English.

The interview consists of:

- an evaluation of basic knowledge of cell biology, molecular biology, chemistry, biochemistry, genetics, general pathology;
- a discussion on the research activity previously carried out,
- a discussion on the research interests expressed in the Statement of Research Interest,
- verification of knowledge of the English language.

Candidates obtaining a minimum score of 40/60 on the interview will be considered eligible.

Selection 2: Selection procedure for a position funded by scholarship with topic: "Identification of transcriptional circuits involved in the progression of malignant pleural mesothelioma "

Admission requirements:

Italian second cycle master's degree ("laurea magistrale", under D.M. 270/04) in the following disciplines: LM-6 Biology, LM-8 Industrial biotechnology, LM-9 Medical, veterinary and pharmaceutical biotechnology, or equivalent Italian second cycle master's degree ("laurea specialistica", under D.M. 509/99) in one of the following disciplines: 6/S Biology, 8/S Industrial biotechnology, 9/S Medical, veterinary and pharmaceutical biotechnology or an Italian degree obtained prior to D.M. 509/99 (the previous Italian regulations) in Biological Sciences, in Industrial Biotechnology, in Pharmaceutical Biotechnology, in Medical Biotechnology, in Veterinary Biotechnology, or Second cycle non-Italian Master's degree, equivalent to the Italian degrees mentioned above, in accordance with Article 2 of this Call.

Evaluation criteria:

In the evaluation of candidates' qualifications, the Selection Committee assigns scores up to a total of 60 points, as follows:

- degree mark, if already obtained, or marks obtained in the exams: from 0 to 30 points,
- curriculum and professional experience: from 0 to 10 points,
- publications: from 0 to 5 points,
- Statement of Research Interest: from 0 to 15 points.

Candidates awarded at least 40/60 in the assessment of academic and research record will be admitted to the interview.

Candidates may opt to have their interview in English.

The interview consists of:

- an evaluation of basic knowledge of cell biology, molecular biology, chemistry, biochemistry, genetics, general pathology;
- a discussion of the aetiology of pleural mesothelioma;
- a discussion on the research activity previously carried out;
- a discussion on the research interests expressed in the Statement of Research Interest;
- verification of knowledge of the English language.

Candidates obtaining a minimum score of 40/60 on the interview will be considered eligible.

Selection 3: Selection procedure for a position funded by scholarship with topic: "Molecular and gene-targeted therapies for iron overload diseases (genetic disorders and chronic diseases with complex genetic basis)"

Admission requirements:

Italian second cycle master's degree ("laurea magistrale", under D.M. 270/04) in the following disciplines: LM-8 Industrial biotechnology, LM-9 Medical, veterinary and pharmaceutical biotechnology, or equivalent Italian second cycle master's degree ("laurea specialistica", under D.M. 509/99) in one of the following disciplines: 8/S Industrial biotechnology, 9/S Medical, veterinary and pharmaceutical biotechnology; Italian degree obtained prior to D.M. 509/99 (the previous Italian regulations) in Biotechnology - Industrial Biotechnology, in Biotechnology - Pharmaceutical Biotechnology, in Biotechnology - Medical Biotechnology, in Biotechnology - Veterinary Biotechnology, or Second cycle non-Italian Master's degree, equivalent to the Italian degrees mentioned above, in accordance with Article 2 of this Call.

Evaluation criteria:

In the evaluation of candidates' qualifications, the Selection Committee assigns scores up to a total of 60 points, as follows:

- degree mark, if already obtained, or marks obtained in the exams: from 0 to 30 points,
- curriculum and professional experience: from 0 to 10 points,
- publications: from 0 to 5 points,
- Statement of Research Interest: from 0 to 15 points.

Candidates awarded at least 40/60 in the assessment of academic and research record will be admitted to the interview.

Candidates may opt to have their interview in English.

The interview consists of:

- an evaluation of basic knowledge of cell biology and molecular biology;
- a discussion on the research activity previously carried out and on the research interests expressed in the Statement of Research Interest;
- an assessment of knowledge on the regulation of iron metabolism and the aetiopathogenesis of metabolic dysfunction-associated steatotic liver disease (MASLD).
- verification of knowledge of the English language.

Candidates obtaining a minimum score of 40/60 on the interview will be considered eligible.

Selection 4: Selective procedure for a position funded by scholarship with topic: "Sustainable new strategic model for a sustainable development and Maintenance of advanced therapies"**Admission requirements:**

Italian second cycle master's degree ("laurea magistrale", under D.M. 270/04) in the following disciplines: LM-6 Biology, LM-8 Industrial biotechnology, LM-9 Medical, veterinary and pharmaceutical biotechnology, or equivalent Italian second cycle master's degree ("laurea specialistica", under D.M. 509/99) in one of the following disciplines: 6/S Biology, 8/S Industrial biotechnology, 9/S Medical, veterinary and pharmaceutical biotechnology;; Italian degree obtained prior to D.M. 509/99 (the previous Italian regulations) in Biological sciences, in Biotechnology - Industrial Biotechnology, in Biotechnology - Pharmaceutical Biotechnology, in Biotechnology - Medical Biotechnology, in Biotechnology - Veterinary Biotechnology or Second cycle non-Italian Master's degree, equivalent to the Italian degrees mentioned above, in accordance with Article 2 of this Call.

Evaluation criteria:

In the evaluation of candidates' qualifications, the Selection Committee assigns scores up to a total of 60 points, as follows:

- degree mark, if already obtained, or marks obtained in the exams: from 0 to 30 points,
- curriculum and professional experience: from 0 to 10 points,
- publications: from 0 to 5 points,
- Statement of Research Interest: from 0 to 15 points.

Candidates awarded at least 30/60 in the assessment of academic and research record will be admitted to the interview.

Candidates may opt to have their interview in English.

The interview consists of:

- an evaluation of basic knowledge of cell biology, molecular biology, nanotechnology applied to biology, biomaterials, biochemistry, ocular pathology;
- a discussion on the research activity previously carried out,
- a discussion on the research interests expressed in the Statement of Research Interest,
- verification of knowledge of the English language.

Candidates obtaining a minimum score of 40/60 on the interview will be considered eligible.

Documents to be attached to the application (for all selections)

- 1) Degree certificate (or self-certification for Italian degrees); and Transcript of Records - list of examinations taken and marks. Applicants with a degree obtained abroad must attach the degree certificate with the list of examinations taken translated and legalised or Diploma Supplement and, if available, the Declaration of Value ("Dichiarazione di Valore in loco") issued by the competent Italian diplomatic-consular Representation or the certificates issued by the CIMEA - ENIC-NARIC center. If the degree certificate is not yet available or if the degree has not yet been obtained, the candidate must attach a description of the degree with a list of the examinations taken using [Annex A](#);
- 2) a curriculum vitae of his/her scientific and teaching activity drafted in English using the model in [Annex B](#);
- 3) an English-language summary of the thesis, or equivalent, consisting of no more than two pages and comprising the following points: purpose of the thesis, methods of investigation, results obtained
- 4) a short text in English (Statement of Research Interest) illustrating the candidate's motivations for attending the Course and his/her specific research interests, using the model in [Annex C](#);
- 5) certification of English language skills (FIRST, TOEFL, Proficiency or others);
- 6) a cover letter/reference; in the online application, applicants must enter all the personal details of the professor/researcher/expert who will be sending the letter of recommendation. Once the application has been submitted, the computer system will send an automatic e-mail to the contact person requesting the letter of recommendation. The deadline for uploading letters is June 30th, 2025, 11.59 p.m. (CET); applicants can check on the application summary page whether the contact person has sent the cover letter/recommendation. Within the aforementioned deadline, applicants may send a reminder to the contact person who has not yet done so by selecting the 'reminder' item from the application summary page;
- 7) any documents deemed useful for the evaluation and/or scientific publications with relevant lists;
- 8) copy of a valid identity document.

A list of the candidates admitted to the interview, and any variation in the selection procedure, will be published by July 15th, 2025 at the following University website address: <https://www.unimore.it/en/bando-phd-41>.

INTERVIEW SCHEDULE – (for all the selective procedures)

Interview via Microsoft Teams (allowed for each candidate, regardless of their residence): July 22nd, 2025, 9:00 am. In the event of a large number of candidates, the interview will continue on July 23rd, 2025, 9:00 am

The operational indications on how to carry out the interview via Microsoft Teams will be communicated at the time of publication of those admitted to the interview.