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Università  
degli Studi di  
Messina

**NOTICE OF AMENDMENT**  
**PUBLIC COMPETITION, BY QUALIFICATIONS AND EXAMINATIONS, FOR**  
**ADMISSION TO PHD COURSES ACTIVATED AT THE UNIVERSITY OF MESSINA**  
**39<sup>TH</sup> CYCLE**  
**(D.R. No. 1854 of 15<sup>th</sup> June 2023)**

**THE RECTOR**

IN VIEW OF Law of 3<sup>rd</sup> July 1998, No. 210, and in particular Art. 4 in the matter of PhD courses, as amended by Art. 19, paragraph 1, of Law of 30<sup>th</sup> December 2010, No. 240;

IN VIEW OF the Statute of the University, issued with D.R. No. 1244 of 14<sup>th</sup> May 2012 (published on G.U. - General Series No. 116 of 19<sup>th</sup> May 2012) and amended with D.R. No. 3429 of 30<sup>th</sup> December 2014 (published on G.U. - General Series No. 8 of 12<sup>th</sup> January 2015);

IN VIEW OF D.M. No. 226 of 14<sup>th</sup> December 2021 concerning "*Regulation laying down procedures for the accreditation of PhD centers and PhD courses and criteria for the establishment of PhD courses by accredited bodies*";

IN VIEW OF *the Regulation of the University of Messina concerning PhD courses*, issued with D.R. No. 834 of 25<sup>th</sup> March 2022;

IN VIEW OF Ministerial Decree No. 117 of 2<sup>nd</sup> March 2023 which decrees for a. y. 2023/2024 the allocation of resources aimed at co-financing PhD scholarships for dedicated programs with the contribution and the involvement of companies, under the PNRR, Mission 4, Component 2, Investment 3.3;

IN VIEW OF letters of intent and agreements proposed by Italian and foreign Companies for the activation and/or financing of PhD courses at the University of Messina - 39<sup>th</sup> cycle, among which the one signed by Micerium Spa, where the latter, pending the establishment of the specific Agreement based on the scheme of the University, declared its availability to co-fund a PhD scholarship under the resources of D.M. No. 117/2023, with regard to the PhD Course in "**BIOENGINEERING APPLIED TO MEDICAL SCIENCES**", 39<sup>th</sup> Cycle (prot. No. 51647 of 21<sup>st</sup> April 2023);

IN VIEW OF the resolutions of the Academic Senate and the Academic Board of 30<sup>th</sup> May 2023, respectively, prot. No. 76167/23 and prot. No. 76163/23 with which, the publication of a Call for public competition, by qualifications and examinations, for admission to the PhD Courses activated at the University of Messina, 39<sup>th</sup> Cycle, was authorized;

IN VIEW OF Rector's Decree No. 1854 of 15<sup>th</sup> June 2023 (prot. No. 81934/2023), with which the public competition, by qualifications and examinations, for admission to the PhD Courses activated at the University of Messina - 39<sup>th</sup> Cycle, whose notice was published on the University Register at no. 58 of 15<sup>th</sup> June 2023, was announced and in particular, **Attachments No. 2, 7, 13 and 15**;

NOTED THAT in response to the request of 1<sup>st</sup> June 2023, with which UniMe sent the scheme for the finalization of the Agreement concerning the co-financing of the scholarship under D.M. No. 117/2023 to Micerium Spa, the aforementioned Company communicated its intention not to adhere to it and, therefore, not to sign it, by mail prot. No. 85046/2023, on 22<sup>nd</sup> June 2023;

GIVEN THAT Art. 1 of the aforementioned Call establishes that "*PhD Scholarships referred to in D.M. No. 117/2023 and D.M. No. 118/2023, can be activated and launched **only after the finalization of the Agreement with the Companies partners** in innovative PhD Courses available to co-fund at 50%, and only after the positive outcome of the*





*eligibility and consistency verification of the research projects carried out by MUR and ANVUR, in relation to the scholarships selected according to the eligibility requirements identified by the aforementioned Ministerial Decrees. **Any negative outcome of the aforementioned finalization and/or evaluation, which affects the assignment of the aforementioned Scholarships, will be communicated to the candidates by means of the publication on the institutional website. In this case, no claim can be laid by the candidates against the University of Messina***;

NOTED THAT

therefore, with regard to the PhD Course in **"BIOENGINEERING APPLIED TO MEDICAL SCIENCES"** the Scholarship under D.M. No. 117/2023 co-funded by Micerium Spa, cannot be activated within the PhD Call for admission to the PhD Courses activated at the University of Messina – 39<sup>th</sup> Cycle;

NOTED

also that in **Attachment No. 7**, PhD Course in **"MATHEMATICS AND COMPUTATIONAL SCIENCES"**, the CUP and the identifying logo of the Project "IR00011 – EBRAINS Italy – M4C2" under the MUR Public Call No. 3264 of 28<sup>th</sup> December 2021 that has foreseen the presentation of project proposals for "Strengthening and creation of Research Infrastructure" to be funded within the PNRR Mission 4, "Education and Research" – Component 2, "From research to company" – Investment Line 3.1. "Fund for the implementation of an integrated system of research and innovation infrastructures", financed by European Union – NextGenerationEU, were not indicated;

IN VIEW OF

the minutes of the PhD Academic Board of the PhD Course in Bioengineering Applied to Medical Sciences, prot. No. 85917 of 26<sup>th</sup> June 2023, with which the examination date for admission to the aforementioned PhD Course is postponed from 18<sup>th</sup> July 2023 to **20<sup>th</sup> July 2023** at 10:00 a.m. on Microsoft Teams;

IN VIEW OF

the mail of the Coordinator of the PhD Course in Humanistic Sciences of 27<sup>th</sup> June 2023, with which the postponement of the examination date for admission to the aforementioned PhD Course from 19<sup>th</sup> July 2023 to **24<sup>th</sup> July 2023** at 8:30 a.m. in rooms D and E of the former Pharmacy Department complex - Viale Annunziata, was communicated;

IN VIEW OF

the mail of the Coordinator of the PhD Course in Translational Molecular Medicine and Surgery of 22<sup>nd</sup> June 2023, with which the postponement of the examination date for admission to the aforementioned PhD Course from 17<sup>th</sup> July 2023 to **20<sup>th</sup> July 2023** at 3:00 p.m. on Microsoft Teams was communicated;

WITHOUT

PREJUDICE TO

any subsequent amendments and/or additions to the Call that will be advertised on the website of the University of Messina at the following link <https://www.unime.it/bandi-e-concorsi>.

## DECREES

for the aforementioned reasons, Rector's Decree No. 1854 of 15<sup>th</sup> June 2023 (prot. No. 81934/2023) is amended as follows:

- in **Attachment No. 2**, PhD Course in **"BIOENGINEERING APPLIED TO MEDICAL SCIENCES"**, the scholarship funded by **Micerium Spa under D.M. No. 117/2023** must be deleted from the *Positions and Scholarships available for competition*; if the candidates have chosen, together with other scholarships, also the one funded by Micerium Spa, the PhD Examination Board will not carry out the evaluation with regard to the aforementioned scholarship. The examination date for admission to the aforementioned PhD Course is postponed from 18<sup>th</sup> July 2023 to **20<sup>th</sup> July 2023** at 10:00 a.m. on Microsoft Teams;





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- in **Attachment No. 7**, PhD Course in “**MATHEMATICS AND COMPUTATIONAL SCIENCES**”, with regard to the Scholarship funded by CNR – IBF Institute of Biophysics under the Project “IR00011 – EBRAINS Italy – M4C2”, the CUP and the identifying logo of the research Project funded, must be included, together with the indication of the MUR Public Call No. 3264 of 28<sup>th</sup> December 2021.

The examination dates of the following PhD Courses are also postponed:

- **Humanistic Sciences** from 19<sup>th</sup> July 2023 to **24<sup>th</sup> July 2023** at 8:30 a.m. in rooms D and E of the former Pharmacy Department complex - Viale Annunziata;
- **Translational Molecular Medicine and Surgery** from 17<sup>th</sup> July 2023 to 20<sup>th</sup> July 2023 at 3:00 p.m. on Microsoft Teams.

**The information sheets of the Call, Attachments No. 2, 7, 13 and 15, as amended, are attached to this Decree.**

This Decree, written both in Italian and in the English language, will be published on the Register of the University at the following links <https://archivio.unime.it/it/ateneo/amministrazione/albo-online> and <https://www.unime.it/bandi-e-concorsi>.

THE RECTOR  
Professor Salvatore Cuzzocrea

*R.p.a. dott.ssa Angelina Venezia*



**NOTICE OF AMENDMENT**  
**PUBLIC COMPETITION, BY QUALIFICATIONS AND EXAMINATIONS, FOR THE**  
**ADMISSION TO PHD COURSES - 39<sup>TH</sup> CYCLE**  
**(D.R. n° 1854 of 15<sup>th</sup> June 2023)**

**ATTACHMENT No. 2**

[Title of the PhD course](#)

**PhD course in:** BIOINGEGNERIA APPLICATA ALLE SCIENZE MEDICHE (Bioengineering Applied to Medical Sciences)

**PhD Coordinator:** Professor Michele Gaeta  
E-mail: [michele.gaeta@unime.it](mailto:michele.gaeta@unime.it)

Information on the characteristics of the PhD Course can be consulted on the website:  
<https://bioingegneria-applicata-scienze-mediche.phd.unime.it/it>

[Affiliated Institutions/Companies](#)

- Dental Hi Tech Srl
- Mega Gen Italia Srl

[Positions and scholarships available for competition](#)

AVAILABLE POSITIONS	TYPE OF POSITIONS/ PHD SCHOLARSHIP	RESEARCH TOPICS RELATED TO FUNDED SCHOLARSHIPS	PROCEDURE FOR CARRYING OUT THE TRAINING PROJECT
<b>PHD Scholarships funded ex D.M. No 117/2023</b> <i>M4C2 – Inv. 3.3. “Introduction to innovative doctorates responding to the innovation needs of companies and promoting the recruitment of researchers in companies”</i> CUP J34D23000900009	<b>No 1 Dental Hi Tech Srl</b>	The research topic is the redesign and updating of the dental unit, after adequate experimentation, to fully exploit the possibilities of digitization in this field. The candidate must have a dental degree.	The research program includes a 12 -month research period in the company, and a 6 -month research period abroad.
	<b>No 1 MegaGen Italia Srl</b>	The research topic is the evaluation of the different characteristics of the surfaces of implant abutments, their treatment methods and surface interactions. The candidate must have a dental degree.	
<b>PHD Scholarships funded ex D.M. No 118/2023</b> <i>M4C1 – Inv. 4.1 “PNRR Research”</i> CUP J44D23000880002	<b>No 4</b>	The research topics, starting from technological and biomedical knowledge, must be inherent to interdisciplinary and innovative research activities for an improvement of productivity and competitiveness in the private and corporate sector, in companies and industries of design, production and marketing of the biomedical sector: development of materials, devices, processing algorithms, designed and developed in synergy between researchers in the various areas and which together form the development chain from basic concepts to creation of new solutions and/or methodologies. Furthermore, technology transfer is well regarded, strongly believing	The research program includes a 6-month research period abroad.

		that the industrial research of new PhD students can fall within and broaden the objectives of the PNRR.	
<b>PHD Scholarships funded by further University resources</b>	<b>No 1 SAMOTHRACE</b>  CUP - J43C22000310006	In the context of the development of wearable sensory systems for real-time monitoring of vital parameters (e.g. blood oxygenation, blood pressure, PPG, heart rate, neuromuscular functions) and of chronic diseases with a dismetabolic imprint (e.g. diabetes), the PhD student will participate in the analysis of the data received and the evaluation of their statistical and clinical significance, collaborating in the validation of the same by verifying consistency with the anamnestic and objective information already in possession. He will also collaborate on the activities of task 3.5 related to the development of the platform dedicated to the integration of data from the various sensor devices, as well as data storage and their remote management. The candidate will have informatics, medical or biomedical skills and a degree in disciplines of the CUN AREAS: 02, 06.	
<b>Positions without scholarship</b>	<b>No 2</b>		

Type of qualification required:

LM-09 Biotecnologie mediche, veterinarie e farmaceutiche (Medical, veterinary and pharmaceutical Biotechnologies)  
 LM-17 Fisica (Physics)  
 LM-18 Informatica (Computer Science)  
 LM-21 Ingegneria biomedica (Biomedical Engineering)  
 LM-25 Ingegneria dell'automazione (Automation Engineering)  
 LM-29 Ingegneria elettronica (Electronic Engineering)  
 LM-32 Ingegneria informatica (Computer Engineering)  
 LM-33 Ingegneria meccanica (Mechanical Engineering)  
 LM-40 Matematica (Mathematics)  
 LM-41 Medicina e chirurgia (Medicine and Surgery)  
 LM-44 Modellistica matematico-fisica per l'ingegneria (Mathematical-physical modelling for engineering)  
 LM-46 Odontoiatria e protesi dentaria (Dentistry and dental prosthesis)  
 LM-53 Scienza e ingegneria dei materiali (Science and Material Engineering)  
 LM-54 Scienze chimiche (Chemical Sciences)

Procedures and criteria for the selection and evaluation of candidates

**1. Titles**

The maximum score attributable to the qualifications will be **15/100** points.

**2. Project**

The maximum score attributable to the project will be **20/100** points.

It is pointed out that the PHD Scholarships funded ex D.M. 117/2023 and D.M. n. 118/2023 and the PHD Scholarships referred to the PNRR, the research project on specific topics of the Doctorate must be elaborated by the candidate taking into consideration for the places in the restricted Project concerning the disciplinary areas and the topics referred to, as well

as in the eligibility criteria established by art. 7 of Ministerial Decree No 117/2023 and by the art. 8 of Ministerial Decree No 118/2023.

### 3. Examination: oral test

The exam will take place on the date and according to the procedures hereafter referred.

Exam date	Procedures
10:00 of 20 July 2023	Online

The maximum score attributable to oral test will be **65/100** points, with a minimum score to be exceeded by **42/100** points.

During the interview, the knowledge of the **English language is verified**.

**Minimum overall assessment to be considered eligible: 60/100 points.**

Full details of the participation procedure can be found in the PhD Call.

**NOTICE OF AMENDMENT**  
**PUBLIC COMPETITION, BY QUALIFICATIONS AND EXAMINATIONS, FOR THE**  
**ADMISSION TO PHD COURSES - 39<sup>TH</sup> CYCLE**  
**(D.R. n° 1854 of 15<sup>th</sup> June 2023)**

**ATTACHMENT No. 7**

Title of the PhD course

**PhD course in:** **MATEMATICA E SCIENZE COMPUTAZIONALI (Mathematics and Computational Sciences)**

**Curricula:** The candidates must indicate on the application the curriculum of the course he intends to participate:

1. Pure Mathematics
2. Applied Mathematics
3. Computational Sciences

**PhD Coordinator:** **Professor Oliveri Francesco**  
E-mail: [francesco.oliveri@unime.it](mailto:francesco.oliveri@unime.it)

Information on the characteristics of the PhD Course can be consulted on the website:

<https://matematica-e-scienze-computazionali.phd.unime.it/it>

Affiliated Institutions/Companies

- INGV
- CNR - IBF Istituto di Biofisica

Positions and scholarships available for competition

AVAILABLE POSITIONS	TYPE OF PHD SCHOLARSHIP	SCHOLARSHIP JOINED RESEARCH TOPIC	PROCEDURE FOR CARRYING OUT THE TRAINING PROJECT
<b>PHD Scholarships funded ex D.M. No 118/2023</b> <i>M4C1 - Inv. 4.1 "Public Administration"</i>  CUP J44D23001000002	<b>No 1</b>	Innovative Workflows Orchestrated Through Computing Continuum Architectures. Machine Learning algorithms for Big Data. AI algorithms for decision-making processes of public administrations. Analysis of network security (financial transactions). Creation and analysis of knowledge networks for investigating social phenomena.	The research program includes a 6 month research period in the company, and a 6 month research period abroad.
<b>PHD Scholarships funded by affiliated Public Institution</b>	<b>No 1 INGV</b>	Data Science and AI applications to volcanic processes	
<b>PHD Scholarships funded by PNRR research project funds</b>	<b>No 1 CNR - IBF Istituto di Biofisica</b> Funded by "IR00011 - EBRAINS-Italy - M4C2" Project funds	Computational neuroscience (modelling, data analysis, high performance computing). Mathematical models of neurons and neuronal networks.	

	<p>CUP B51E22000150006</p> <p><i>MUR Public Call n. 3264 of 28<sup>th</sup> December 2021 which provided for the submission of project proposals for the "Strengthening and creation of Research Infrastructures" to be financed under PNRR Mission 4, "Education and Research" - Component 2, "From research to enterprise" - Investment line 3.1 "Fund for the implementation of an integrated system of research and innovation infrastructures", funded by the European Union - NextGenerationEU</i></p>	<p>Computational approaches for neuronal networks and comparison with experimental data.</p>	
<p><b>Positions funded by other Universities</b></p>	<p><b>No 3 University of Palermo D.M. n. 118/2023</b> <i>M4C1 – Inv. 4.1 "PNRR Research"</i></p> <p>CUP J24D23000690002</p>	<p>Models and mathematical methods for image reconstruction. Mathematical theory of optimal transport and applications. Computer vision in agri-food. Computational models in artificial vision. Encryption applied to security. PDE and variational methods in river flood modeling. Mathematical models for optimizing the energy efficiency of power electronic converters (variational methods, direct methods or topological methods). Mathematical models for graded nanomaterials and thermoelectric efficiency. PDE mathematical models for neurodegenerative diseases. Mathematical models in epidemiology. Computational models, algorithms and data structures for the management, analysis, and indexing of big data.</p>	<p>The research program includes a 6 month research period abroad.</p>
	<p><b>No 1 Università di Palermo</b></p>		
	<p><b>No 1 University of Catania D.M. n. 118/2023</b> <i>M4C1 – Inv. 3.4 "Environmental and Digital Transition"</i> CUP</p>	<p>Mathematical models of ecological systems. Mathematical models for desertification. Mathematical models for environmental pollution.</p>	<p>The research program includes a 6 month research period in the company, and a 6 month research period abroad.</p>



	J14D23001370002		
	<b>N<sub>o</sub> 1 University of Catania RESTART - PNRR project</b>	Deterministic and stochastic optimization in networks and dynamical systems.	
	<b>N. 1 University of Catania NQSTI - PNRR project</b>	Quantum effects and charge transport in new technologies and new materials. Thermal transport and energy dissipation in low dimensional structures.	
<b>PHD Scholarships funded by University/MUR</b>	<b>N<sub>o</sub> 2</b>		
<b>Positions without scholarship</b>	<b>N<sub>o</sub> 4</b>		

### Type of qualification required

All Master's degrees.

During the admission tests, the candidate, in addition to illustrating in detail to the Commission the articulation of the research project, the state of the art and the methods he intends to use, will have to demonstrate his basic preparation in the mathematical and computational disciplines and his critical capacity, with particular reference to the project issues.

### Procedures and criteria for the selection and evaluation of candidates

#### 1. Titles

The maximum score attributable to the qualifications will be **20/100** points.

#### 2. Project

The maximum score attributable to the project will be **30/100** points.

It is pointed out that the PHD Scholarships funded *ex* D.M. n. 118/2023 and the PHD Scholarships referred to the PNRR, the research project on specific topics of the Doctorate must be elaborated by the candidate taking into consideration for the places in the restricted Project concerning the disciplinary areas and the topics referred to, as well as in the eligibility criteria established by art. 7 of Ministerial Decree N<sub>o</sub> 117/2023 and by the art. 7, 8 and 9 of Ministerial Decree N<sub>o</sub> 118/2023.

#### 3. Examination: oral test

The exam will take place on the date and according to the procedures hereafter referred.

Exam date	Procedures
24/07/2023, 10:00 a.m.	ONLINE

The maximum score attributable to oral test will be **50/100** points, with a minimum score to be exceeded by **26/100** points.

During the interview, the knowledge of the **English** language is verified.

**Minimum overall assessment to be considered eligible: 60/100 points.**

Full details of the participation procedure can be found in the PhD Call.

**NOTICE OF AMENDMENT**  
**PUBLIC COMPETITION, BY QUALIFICATIONS AND EXAMINATIONS, FOR THE**  
**ADMISSION TO PHD COURSES - 39<sup>TH</sup> CYCLE**  
**(D.R. n° 1854 of 15<sup>th</sup> June 2023)**

**ATTACHMENT No. 13**

[Title of the PhD course](#)

**PhD course in:** SCIENZE UMANISTICHE (Humanistic Sciences)

**Curricula:** In the application form the candidate will have to specify the curriculum of the PhD course for which he/she intends to participate:

1. Filologia Antica e Moderna (Ancient and Modern Philology)
2. Antropologia e Storia dal Medioevo all'età contemporanea (Anthropology and History from the Middle Ages to the Contemporary Age)
3. Archeologia e Storia Antica (Archaeology and Ancient History)
4. Filosofia (Philosophy)

**PhD Coordinator:** Professor Caterina Malta  
E-mail: [caterina.malta@unime.it](mailto:caterina.malta@unime.it)

Information on the characteristics of the PhD Course can be consulted on the website:  
<https://scienze-umanistiche.phd.unime.it/it>

[Positions available for competition](#)

AVAILABLE POSITIONS	TYPE OF PHD SCHOLARSHIP	SCHOLARSHIP JOINED RESEARCH TOPIC	PROCEDURE FOR CARRYING OUT THE TRAINING PROJECT
<b>PHD Scholarships funded ex D.M. No 118/2023</b>			
<i>M4C1 – Inv. 4.1</i> <i>"Cultural heritage"</i> CUP J44D23001110002	<b>N° 4</b>	Archaeology. History of cultural heritage, in line with the research areas of the doctoral program: historical, anthropological, philosophical, philological-literary. Palaeography. Aesthetics.	The research program includes a 6 month research period in the company, and a 6 month research period abroad.
<i>M4C1 – Inv. 4.1</i> <i>"Public Administration"</i> CUP J44D23001050002	<b>N° 1</b>	Archives and assets of public administration: the contribution of historical and anthropological methodology. Archives and assets of public administration: the contribution of philology. Archives and assets of public administration: the contribution of archaeological studies. Professional ethics and philosophical-legal foundations of public administration. Communicative strategies of public administration.	

<p>M4C1 – Inv. 4.1 “PNRR Research” CUP J44D23000950002</p>	<p><b>N<sub>o</sub> 4</b></p>	<p>Italian literature; Italian philology; Medieval and Humanistic philology and literature (Greek, Latin, vernacular texts); Author archives; History of the Italian language and linguistics; Classical philology; Greek literature; Latin literature. Anthropology; Medieval history; Modern history; Contemporary history; History of religions; History of Christianity and of Churches. Ancient history; Ancient and medieval numismatics; Archaeology. Theoretical philosophy; Moral philosophy; History of philosophy; Philosophy of science; Aesthetics.</p>	<p>The research program includes a 6 month research period abroad.</p>
<p><b>Positions without scholarship</b></p>	<p><b>N<sub>o</sub> 3</b></p>		

Type of qualification required

- LM-1 Antropologia culturale ed etnologia (Master’s degree in Cultural Anthropology and Ethnology)
- LM-2 Archeologia (Master’s in Archaeology)
- LM-5 Archivistica e biblioteconomia (Master’s degree in Archival Science and librarianship)
- LM-11 Scienze per la conservazione dei beni culturali (Master’s degree in Science for the conservation of cultural heritage)
- LM-14 Filologia moderna (Master’s degree in Modern Philology)
- LM-15 Filologia, letterature e storia dell'antichità (Master’s degree in Philology, literature and history of antiquity)
- LM-19 Informazione e sistemi editoriali (Master’s degree in Information and publishing systems)
- LM-39 Linguistica (Master’s degree in Linguistics)
- LM-52 Relazioni internazionali (Master’s degree in International Relations)
- LM-62 Scienze della politica (Master’s degree in Political Sciences)
- LM-63 Scienze delle pubbliche amministrazioni (Master’s degree in public administration sciences)
- LM-64 Scienze delle religioni (Master’s degree in Religious Sciences)
- LM-78 Scienze filosofiche (Master’s degree in Philosophical Sciences)
- LM-80 Scienze geografiche (Master’s degree in Geographical Sciences)
- LM-84 Scienze storiche (Master’s degree in Historical Sciences)
- LM-14 Filologia moderna (abilitazione A043) Master’s degree in Modern Philology (qualification A043)
- 1/S (specialistiche in antropologia culturale ed etnologia) (master’s degrees in cultural anthropology and ethnology)
- 2/S (specialistiche in archeologia) (master’s degrees in archeology)
- 5/S (specialistiche in archivistica e biblioteconomia) (master’s degrees in archival science and librarianship)
- 13/S (specialistiche in editoria, comunicazione multimediale e giornalismo) (master’s degrees in publishing, multimedia communication and journalism)
- 15/S (specialistiche in filologia e letterature dell'antichità) (master’s degrees in philology and literature of antiquity)
- 16/S (specialistiche in filologia moderna) (master’s degrees in modern philology)
- 17/S (specialistiche in filosofia e storia della scienza) (master’s degrees in philosophy and history of science)
- 18/S (specialistiche in filosofia teoretica, morale, politica ed estetica) (master’s degrees in theoretical, moral, political and aesthetic philosophy)

- 24/S (specialistiche in informatica per le discipline umanistiche) (master's degrees in computer science for the humanities)  
40/S (specialistiche in lingua e cultura italiana) (master's degrees in Italian language and culture)  
44/S (specialistiche in linguistica) (master's degrees in linguistics)  
70/S (specialistiche in scienze della politica) (master's degrees in political sciences)  
72/S (specialistiche in scienze delle religioni) (master's degrees in religious sciences)  
93/S (specialistiche in storia antica) (master's degrees in ancient history)  
94/S (specialistiche in storia contemporanea) (master's degrees in contemporary history)  
96/S (specialistiche in storia della filosofia) (master's degrees in history of philosophy)  
97/S (specialistiche in storia medievale) (master's degrees in medieval history)  
98/S (specialistiche in storia moderna) (master's degrees in modern history)  
99/S (specialistiche in studi europei) (master's degrees in European studies)

### Procedures and criteria for the selection and evaluation of candidates

#### **1. Titles**

The maximum score attributable to the qualifications will be **15/100** points.

#### **2. Project**

The maximum score attributable to the project will be **15/100** points.

It is pointed out that the PHD Scholarships funded *ex D.M. n. 118/2023*, the research project on specific topics of the Doctorate must be elaborated by the candidate taking into consideration for the places in the restricted Project concerning the disciplinary areas and the topics referred to, as well as in the eligibility criteria established by the art. 8, 9 and 10 of Ministerial Decree No 118/2023.

#### **3. Examination: oral test**

The exam will take place on the date and according to the procedures hereafter referred.

Exam date	Procedures
<b>July 24, 2023</b>	At 8.30, in rooms D and E of the former Pharmacy Department complex - Viale Annunziata

The interview will also include:

- Presentation and discussion of the research project;
- Verification of the candidate's language proficiency as indicated in the application (choice among English, French, German, or Spanish).

The maximum score attributable to oral test will be **70/100** points, with a minimum score to be exceeded by **50/100** points.

**Minimum overall assessment to be considered eligible: 60/100 points.**

**Full details of the participation procedure can be found in the PhD Call.**

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**PUBLIC COMPETITION, BY QUALIFICATIONS AND EXAMINATIONS, FOR THE**  
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**(D.R. n° 1854 of 15<sup>th</sup> June 2023)**

**ATTACHMENT No. 15**

Title of the PhD course

**PhD course in:** TRANSLATIONAL MOLECULAR MEDICINE AND SURGERY

**PhD Coordinator:** Professor Gaetano Caramori  
E-mail: [gaetano.caramori@unime.it](mailto:gaetano.caramori@unime.it)

Information on the characteristics of the PhD Course can be consulted on the website:  
<https://scienze-veterinarie.phd.unime.it/it>

Affiliated Institutions/Companies

- UCB Pharma S.p.a
- COT S.p.a.

Positions available for competition

AVAILABLE POSITIONS	TYPE OF PHD SCHOLARSHIP	SCHOLARSHIP JOINED RESEARCH TOPIC	PROCEDURE FOR CARRYING OUT THE TRAINING PROJECT
<p><b>PHD Scholarships funded ex D.M. No 117/2023</b> M4C2 – Inv. 3.3. "Introduction to innovative doctorates responding to the innovation needs of companies and promoting the recruitment of researchers in companies" CUP J84D23001070009</p>	<p><b>N° 1 UCB Pharma S.p.a</b></p>	<p>Research proposal regarding the discovery of new molecular markers of neuromuscular disorders, using biomolecular techniques. The ideal candidate should hold a degree in LM6 or LM9</p>	<p>The research program includes a mandatory 6 months research period in the company, and a 6 months research period abroad.</p>
<p><b>PHD Scholarships funded ex D.M. No 117/2023</b> M4C2 – Inv. 3.3. "Introduction to innovative doctorates responding to the innovation needs of companies and promoting the recruitment of researchers in companies" CUP</p>	<p><b>N° 1 COT S.p.a</b></p>	<p>Research proposal regarding the research of biomarkers in bone specimens that could predict the clinical outcome of bone surgery and in particular of osteo-integration following robotic or traditional procedures - the ideal candidate should hold a degree in LM6 or LM9.</p>	<p>The research program includes a mandatory 6 months research period in the company, and a 6 months research period abroad.</p>

J84D23001070009			
<b>PHD Scholarships funded ex D.M. No 118/2023</b> <i>M4C1 – Inv. 4.1</i> <i>“PNRR Research”</i> CUP J44D23000970002	<b>N° 6</b>	Research proposal on the topics of the translational research in medical and bio-molecular sciences, focusing on aspects related to the wellbeing of the general population in accordance with the principles of the PNRR- the ideal candidate should hold a degree in LM6 or LM9 or LM13 or LM41 or LM67	The research program includes a mandatory 6 months research period abroad.
<b>PHD Scholarships funded by further University resources</b>	<b>N° 1</b> <b>SAMOTHRACE</b> CUP - J43C22000310006	Research proposal focus on devices useful for the monitoring of vital parameters (e.g. blood oxygenation, blood pressure, PPG, heart rate, neuromuscular functions) and of chronic diseases with a dismetabolic imprint (e.g. diabetes). The ideal candidate should hold a degree in LM41, LM6 or LM9 and perform research activities within the framework of the Samothrace research group	
<b>Positions without scholarship</b>	<b>N° 3</b>		

### Type of qualification required

LM-6 Biologia (Master's degree in Biology)

LM-9 Biotecnologie mediche, veterinarie e farmaceutiche (Master's degree in Medical, veterinary and pharmaceutical Biotechnologies)

LM-13 Farmacia e Farmacia Industriale (Master's degree in Pharmacy and Industrial Pharmacy)

LM-41 Medicina e Chirurgia (Master's degree in Medicine and Surgery)

LM-67 Scienze e tecniche delle attività motorie preventive e adattate (Master's degree in Sciences and techniques of preventive and adapted motor activities)

### Procedures and criteria for the selection and evaluation of candidates

#### 1. Titles

The maximum score attributable to the qualifications will be **10/100** points.

#### 2. Project

The maximum score attributable to the project will be **40/100** points.

It is pointed out that the PHD Scholarships funded ex D.M. 117/2023 and D.M. n. 118/2023 and the PHD Scholarships referred to the PNRR, the research project on specific topics of the Doctorate must be elaborated by the candidate taking into consideration for the places in the restricted Project concerning the disciplinary areas and the topics referred to, as well as in the eligibility criteria established by art. 7 of Ministerial Decree No 117/2023 and by the art. 8 of Ministerial Decree No 118/2023.

#### 3. Examination: oral test

The exam will take place on the date and according to the procedures hereafter referred.

Exam date	Procedures
<b>20/7/2023 3:00 pm</b>	<b>Microsoft Teams</b>

The maximum score attributable to oral test will be **50/100** points, with a minimum score to be exceeded by **20/100** points.

During the interview, the knowledge of the **English language is verified**.

**Minimum overall assessment to be considered eligible: 60/100 points.**

Full details of the participation procedure can be found in the PhD Call.