



UNIVERSITÀ degli STUDI MAGNA GRÆCIA di CATANZARO

NOTICE OF PUBLIC SELECTION FOR THE ADMISSION TO THE PH. D. PROGRAMMES WITH
ADMINISTRATIVE SEAT AT THE UNIVERSITÀ DEGLI STUDI MAGNA GRÆCIA DI CATANZARO A.Y. 2022/23

**PLEASE NOTE: THE OFFICIAL VERSION OF THIS CALL IS IN ITALIAN AND IS AVAILABLE ON THE MAGNA
GRÆCIA UNIVERSITY WEBSITE (D.R. 861/2022)**

**THIS TRANSLATION CANNOT BE USED FOR LEGAL PURPOSES AND IS ONLY MEANT TO PROVIDE
INFORMATION IN ENGLISH ON THE CALL FOR APPLICATION**

DEADLINE: AUGUST 8TH 2022 – 12 A.M. (Italian time)

THE DEAN DECLARES

Art. 1 – Accreditation

In accordance with the provisions pursuant to Decree MUR n. 226 of 14.12.2021, pending the issuance of the Ministerial Decree of accreditation with the assent of ANVUR, the University of the Studies Magna Græcia of Catanzaro intends to establish and activate for the a.a. 2022/23 (XXXVIII cycle) the PhD courses, of triennial duration, indicated below:

DIGITAL MEDICINE

Curricula:

- Innovation in basic and clinical research for chronic rare and non-communicable diseases
- Innovative technologies for digital medicine and advanced therapies

MOLECULAR MEDICINE

Curricula:

- Experimental biotechnologies in medicine
- Technologies applied to molecular medicine

TRANSLATIONAL MEDICINE

Curricula:

- Precision medicine and theragnostic
- Advanced biomedical technologies

PSYCHOLOGY

TRANSLATIONAL RESEARCH AND INNOVATIVE TECHNOLOGIES APPLIED TO NUTRITION AND PREDICTIVE AND PRECISION MEDICINE

Curricula:

- Innovative technologies, nutraceuticals and functional foods
- Clinical, translational, predictive and precision medicine



UNIVERSITÀ degli STUDI MAGNA GRÆCIA di CATANZARO

CLINICAL AND EXPERIMENTAL BIOMEDICAL SCIENCES

Curricula:

- Endocrine-metabolic sciences and molecular profiles associated with the intestinal microbiome
- Pathophysiology and clinic of cardiovascular diseases and systems medicine

LIFE SCIENCES

Curricula:

- Basic life sciences
- Applied life sciences.

Art. 2 – Public Selection Announcement

We hereby announce the public selection, through competitive examinations, for admission to the 2022/23 Ph.D. programmes listed in the above art. 1 of the present Call for Applications.

The effectiveness of the selections carried out pursuant to this call is subject to the accreditation by the MUR of the relevant doctoral courses.

The award of scholarships on the DD.MM. 351 and 352 of 9.04.2022, listed in Annex A, is subject to the admission to funding of the relevant project proposals by the MUR following the verification of the consistency of the research projects on the National Recovery and Resilience Plan, NRRP (PNRR) with the requirements of D.M. 351/2022 and D.M. 352/2022 by ANVUR.

The award of scholarships under D.M. 352/2022 is also subject to the completion of the financing itself by the end of this call.

Candidates who have graduated from foreign universities can request to participate in reserved positions by submitting a specific request when completing the application form with the online procedure referred to in the following art. 4. If the reserved positions for candidates who have graduated from foreign universities are not assigned due to lack of suitable candidates, these positions will be made available for the admission procedures for ordinary positions.

The present Call for Applications acts as official notification. Amendments, updates or additions will be published **exclusively on the website of the University at the address <https://web.unicz.it/it/category/bandi-ateneo>.**

The University reserves the right to modify, to extend, to suspend this selection notice, in relation to the new provisions of law or for proven reasons of public interest, without raising any claim or right for the aspirants. In **Annex A – details of the PhD Courses in the Biomedical-Pharmacological Area - a.a. 2022/23**, an integral part of this call, are indicated the PhD Courses and training objectives, possible curricula, Consistency with the PNRR, Eligibility criteria, the duration of the course, the name of the Coordinator and their e-mail address, degrees required for admission, the places and the number of scholarships put in competition for each curriculum where present and for each type of scholarship, the proposed research projects (contained in Annexes A/1 to A/7, an integral part of this call), the date of the interview, the calendar of publication of the results of the evaluation of qualifications, the foreign language required.

Each winner, according to the order of the ranking list of merit, at the time of enrolment must choose one of the projects provided for in Annex A to this call that has not already been selected by the candidate/s preceding/are in the ranking, until the places assigned to each curriculum have been filled. To this end, the winners must express the order of priority of the projects of interest in the model available at <https://web.unicz.it/it/category/bandi-ateneo> . **Winners are required to select all projects financed or co-financed by the PNRR.**



UNIVERSITÀ degli STUDI MAGNA GRÆCIA di CATANZARO

In any case, it is **strongly recommended** to select in addition to all PNRR projects also all projects with a University grant / Without a scholarship

Due to the obligations imposed by the funding agency the allocation of places with scholarship funded ex D.M. 351/2022 and D.M. 352/2022 is subject to the verification of the eligibility for support on funds of the PNRR ex D.M. 351/2022 and D.M. 352/2022 performed by of the MUR.

The courses will be activated only on condition that there is the availability of at least n. 3 scholarships for each Ph.D. course.

Art. 3 – Admission requirements

They can apply for participation in the selections for admission to the PhD courses listed in Annex A-Details of PhD Courses a.a. 2022/23, without restrictions on age or citizenship, those who have a master's degree (D.M. n.270/2004) belonging to one of the classes indicated in the respective tables, or a master's degree (D.M. n.509/1999), or an old degree system (D.M. n.509/1999) equivalent to the D.I. of 9 July 2009, or a suitable foreign qualification, as well as those who obtain at an Italian University the qualification required for admission, on pain of forfeiture from admission in the event of successful selection, by the date of enrolment in the doctoral course and, in any case, by 31.10.2022 at the latest.

Foreign qualification suitability will be established by the Ph.D. committee following the guidelines and current regulations in Italy and in the qualification issuing Country, as well as of treaties or international agreements on qualification recognition for further study and will have to be confirmed by the Academic Senate.

In the case of a qualification obtained abroad, candidates must attach to their application in appropriate section "RICONOSCIMENTO TITOLO ESTERO" the request for recognition of the qualification (exclusively for purpose of participating in the competition) and any document which might be relevant to the assessment, translated and certified by the relevant Italian bodies in the country of origin, and following current regulations for the admission of foreign students to Italian University post-graduate programmes.

The fac simile of the request is available on the website <https://web.unicz.it/it/category/bandi-ateneo>. Anyone expected to obtain their Italian degree in the period between application and the and the date of enrolment in the course will be admitted conditionally and will be expected to present to Area Affari Generali, University Magna Graecia of Catanzaro, within five (5) days from the obtainment of the qualification, a statement *in lieu* of the certificate, containing the name of the qualification issuing University, the date of obtainment, the type of diploma (*vecchio ordinamento, specialistica/ magistrale*) and relative marks, accompanied by a valid piece of ID, **exclusively via PEC (certified electronic mail) at protocollo@cert.unicz.it.**

The PEC must be sent by the personal account of PEC and a copy of a valid identity document must be attached. Institutional PEC accredited to public bodies are not allowed. In the event that the candidate is not the holder of a PEC but makes use of the power of representation referred to in Article 38, c. 3 bis of Presidential Decree no. 445 of 28 December 2000 and subsequent amendments, it is necessary to transmit, in addition to the substitutive declaration of certification of the qualification, also the delegation conferred on the holder of the PEC. The proxy must be accompanied by the valid identity documents of both parties who sign the proxy (delegator and delegate).

The subject of the PEC must include: Declaration Laureando SURNAME PhD 38_____ (indicate *the doctoral course*).



UNIVERSITÀ degli STUDI MAGNA GRÆCIA di CATANZARO

The PEC must be sent by a certified e-mail personal user and a copy of a valid identity document must be attached. Institutional PECs accredited to public bodies are not allowed. In the event that the candidate does not have a certified e-mail address but makes use of the power of representation pursuant to art. 38, c. 3 bis of the Presidential Decree 28 December 2000, n. 445 and subsequent amendments, it is necessary to transmit, in addition to the substitutive declaration of certification of the qualification, also the delegation conferred to the holder of the PEC. The valid identity documents of both parties signing the proxy (delegating and delegated) must be attached to the proxy.

The following must be strictly indicated in the subject of the PEC: Declaration for Graduating SURNAME Doctorate 38_____ (indicate the doctoral course).

Art. 4 – Applications procedures

Candidates may apply separate applications, **one for each PhD course for which they intend to compete**. Candidates wishing to apply for more than one Ph.D. programme must present separate applications, **one for each Ph.D. programme they are applying for**.

In case of application to more than one Ph.D. programme, it is necessary to **declare in each application the order of priority of the Ph.D. programmes applied for; such order must be identical in each of the application forms; In the case in which the requests for participation were given a different order of priority, the order of priority expressed in the first application for participation submitted in chronological order shall be taken into account.**

Should the candidate result suitable for more than one Ph.D. programme, the order of priority expressed in their application will, through declaration *in lieu of affidavit*, be considered a binding criterion for programme admission.

Applicants can submit their application (including the documentation shown below) **exclusively using the online form** available at <https://unicz.esse3.cineca.it/Home.do>, **from the day following the publication of the present call for applications to 08.08.2022 at 12:00 A.M. (Italian time).**

The submission of the application takes place automatically with the definitive closure of the electronic procedure. **The validity of the application is subject to takes place with the payment of the participation fee** in the competition **within 08.08.2022 (see below)**. The date and time of submission of the application are provided by the computer system.

Candidates with qualifications obtained abroad who intend to participate in **reserved positions** must choose this option when completing the online application and must attach the relevant **request in pdf format, duly signed, in the appropriate section.** The facsimile of the request is available at <https://web.unicz.it/it/category/bandi-ateneo>.

The procedure involves an initial registration, after which you print the memo containing username and password for login to the Web portal.

However username and password will also sent via email from the email address "helpesse3@unicz.it".

N.B. It is required indicate a valid email address in order to recover the credentials in Esse3 System and for any communications.

For online application is available a Short Guide for admission to PhD announcement a.y. 2022/23 on the website at the following address <https://web.unicz.it/it/category/bandi-ateneo>.



UNIVERSITÀ degli STUDI MAGNA GRÆCIA di CATANZARO

When completing the online application, it is necessary to declare the order of priority of the courses in which you intend to participate. N.B. The completion of the "DOCTORAL QUESTIONNAIRE" in the section "LIST OF QUESTIONNAIRES", in which the order of priority is declared, is also mandatory for those who intend to submit a single application form.

For those who submit a single application form: the only choice made appears in the print of the application.

When completing the online application, it is necessary to upload documents in PDF (each file no larger than 20 megabytes):

- 1) **copy of passport;**
- 2) **curriculum vitae et studiorum** (the format of which must be the same as the *facsimile* available online <https://web.unicz.it/it/category/bandi-ateneo>;
- 3) the **declaration of certification exams** containing the indication of the grade, the date, **the grading system**, with the analytical indication of the exams taken during **the entire university career** (minimum 4 years), and non-approximate arithmetic average;
- 4) eventually, the publications, relating to the topics of the Doctorate including the degree thesis or the abstract;
- 5) **Post-graduate specialization course, research fellows, research grant** relating to the topics of the Doctorate;
- 6) any qualifications relating to the topics of the Doctorate;
- 7) eventually, **"Request to participate for reserved positions for candidates with qualifications obtained abroad"**;
- 8) eventually, **"Request for recognition of the foreign qualification exclusively for purpose of participating in the competition and any document and related documents (e.g. declaration of value, Diploma supplement, etc.): compulsory for candidates with qualifications obtained abroad**;
- 9) eventually, **"Reasoned request to conduct the interview electronically"**;
- 10) a **list of all documents provided**.

The fac simile indicated nr. 7, 8, and 9 are available on the website <https://web.unicz.it/it/category/bandi-ateneo>.

When completing the online application it is necessary to specify in "GESTIONE TITOLI E DOCUMENTI PER LA VALUTAZIONE", in field "TITOLO" for all documents you want to upload a meaningful name (e.g. curriculum_vitae, project, passport).

Until the application is completed - but always within the deadline of the call - it is possible to integrate or modify the attachments by canceling the process.

N.B. When you finish filling out online procedure and click on "COMPLETA AMMISSIONE AL CONCORSO" the application can not be modified, and you can not cancel the process.

After completing the application for admission - only in the case of incorrect or incomplete upload of the attachments during the online procedure – **foreign candidates residing abroad** can send exclusively by email



UNIVERSITÀ degli STUDI MAGNA GRÆCIA di CATANZARO

to the address affarigenerali@cert.unicz.it within the deadline **08.08.2022, 12:00** (Italian time) any requests for changes / additions, indicating the changes and / or additions to be made. A copy of passport must be attached to the aforementioned request.

The subject of the e-mail must indicate: Integrazione e/ o modifica Domanda SURNAME DOTTORATO 38 _____ (indicate, in abbreviated form, the PhD course to which the integration / modification refers).

Requests will not be considered if transmitted after deadline.

Online applications will automatically close at at 12:00 (Italian time) August 8th 2022.

After completing the application for admission - only in the case of incorrect or incomplete upload of the attachments during the online procedure – foreign candidates residing abroad can send exclusively by email to the address affarigenerali@cert.unicz.it within the deadline **08.08.2022, 12:00** (Italian time) any requests for changes / additions, indicating the changes and / or additions to be made. A copy of passport must be attached to the aforementioned request.

The subject of the e-mail must indicate: Integrazione e/ o modifica Domanda SURNAME DOTTORATO 38 _____ (indicate, in abbreviated form, the PhD course to which the integration / modification refers).

Requests will not be considered if transmitted after deadline.

Online applications will automatically close at at 12:00 (Italian time) August 8th 2022.

The closing date is preemptory and it is responsibility of the candidate to check the correct conclusion and sending off of the online application.

No complaints are accepted for late applications.

Candidates are strongly advised not to wait until the last few days for application. The University declines any responsibility due to technical problems, overload, or other, in its application and communication systems which may cause a delay in applications.

After filling out the online application form for selection must be printed but it is not necessary to send it within the deadline.

Application forms will be automatically excluded which:

- a. sent by PEC not in the name of the candidate or not accompanied by a delegation given to the holder of the PEC together with valid identity documents of both parties signing the delegation (delegate and delegate);
- b. sent by institutional PEC accredited to public bodies;
- c. ***Will not be taken into account the requests of candidates of foreign nationality residing abroad transmitted after 12:00 (Italian time) of 08.08.2022.***

The procedure for receiving applications online will be automatically closed at 12:00 A.M. (Italian time) of 08.08.2022. The deadline indicated is mandatory and it is the candidate's responsibility to verify the correct conclusion of the electronic application procedure and the correct insertion of all annexes. Therefore, complaints will not be accepted for possible malfunctions of the computer system.

Applicants are therefore invited not to wait for the last days before the deadline for submitting their applications; The University assumes no responsibility for any malfunctions due to technical problems and/



UNIVERSITÀ degli STUDI MAGNA GRÆCIA di CATANZARO

or overload of the communication line, and/ or the application systems or for any errors attributable to third parties, the event, force majeure.

Please note that for any technical and/or operational problems during the online application process, students must open a special ticket at the following link: <http://www.asi.unicz.it/helpdesk/>.

At the end of the online application procedure, the candidate must print the application

Candidates must pay € 50.00 for the selection process participation fees made by “Pago PA payment” by 08.08.2022. For each application a participation fee must be paid. **Applicants failing to pay within the deadline shall be excluded from the competition.** The fee is non-refundable.

Pay with PagoPA (online mode): allows you to choose between the payment instruments available: credit or debit card or prepaid card on the main circuits. Payment can be made with any credit card by selecting one of the banks that appear in the mask even if the credit card was issued by a bank other than those indicated.

The application form must be submitted exclusively through online procedure described above: therefore, no delivery or shipment of paper documents to the Offices must be made by the deadline. The application for participation in paper format, duly signed, must be submitted during the enrollment phase, for all legal purposes, with a copy of passport, exclusively from the winners of the competition, according following art. 8 of this announcement.

In their application form, candidates must state clearly and truthfully, under their own responsibility:

- their personal details, date and place of birth, tax payer number, citizenship, home and contact addresses;
- the title of the Ph.D. programme applied for and the chosen *curriculum*;
- to have an adequate knowledge of the Italian language;
- the degree possessed, stating the result, date and issuing University, or the academic qualification obtained from a foreign University, or to be graduating, with the commitment to send to the University, penalty forfeiture, no later than 5 days after obtaining the title, substitute declaration relating to the achievement of the degree;
- that they undertake the Ph.D. on a full-time basis, without prejudice to art. 12, c.1, of D.M. 226/2021;
- not to be handicapped or to be handicapped and to have need of aids or of additional times; the handicapped candidates, according to law 5/02/1992, n. 104, will have to ask in relation to the own handicap, the necessary aid, and any need for additional time to be able to take the selection tests;
- that they have read and accepted all clauses of the call for applications, and in particular that they are aware that the selection procedures will follow the calendar set out in **Annex A – Details of PhD Courses, which acts as official convocation for the exams themselves without further notice, and that any changes to such calendar will be communicated exclusively through publication on the University website <https://web.unicz.it/it/category/bandi-ateneo>**;
- **the order of priority** in case of useful placement for several programmes; in case of application for more than one Ph.D. Programme, **it is necessary to declare in the online application the order of priority for the chosen programmes; the order must be identical in each of the application forms received, In the case in which the requests for participation were given a different order of priority, the order of priority expressed in the first application for participation submitted in chronological order shall be taken into account**; For those with a single application form: in the printing of the application appears the only choice you make;
- that they are aware that the scholarships cannot be cumulated with research grants or other scholarship of any kind, except those granted by national or foreign institutions aiming at integrating the educational and research activity of the scholarship holder with trips and stays abroad;



UNIVERSITÀ degli STUDI MAGNA GRÆCIA di CATANZARO

- to undertake to notify in a timely manner any change of residence or address for the purpose of selection;
- to be aware that the University of Magna Graecia Studies of Catanzaro (P.I. 02157060795 - C.F. 97026980793), based in Viale Europa - 88100 Catanzaro (tel. 0961 3694001- PEC: proto cert@unicz.it), processes the data provided by candidates in accordance with current legislation on the protection of personal data, as best described in the extended information available at the University, which has been viewed on the institutional website <https://web.unicz.it>; the Data Protection Officer (DPO) can be contacted at dpo@unicz.it.

Any alternative form of application is excluded.

The verification of the validity of the applications and the payment of the contribution of € 50,00 within the deadline will be carried out by the Administration after the end of the call.

Applications will not be considered valid for the purposes of selection:

- a. not completed online in accordance with the electronic procedure described above;
- b. presented in any other form and manner;
- c. without a double copy of a valid online ID;
- d. of candidates who have not paid the "Contribution selection participation" of € 50,00 by the deadline of the call;

Following formal checks on the application received along the above stated guidelines, the list of candidates admitted to the selection process will be published, before results evaluation publication dates, on the University website at <https://web.unicz.it/it/category/bandi-ateneo>. The University will provide no other form of notification.

Candidates will be expected to give proof of Public Administration-issued qualifications by means of a declaration in lieu of certification (or self-certification) as set out by art. 46 of D.P.R.445/2000 and subsequent amendments. **All self-certifications must contain the date and authentic signature.**

The same procedures should also be followed by:

- EU citizens;
- citizens of non-EU states who are settled in Italy, limited to the verifiability of status, personal qualities and achievements from Italian public bodies (for example, if they obtained a degree from an Italian University).

Non EU candidates who have studied abroad must attach the original certificates and their relative translations (see art. 3 above). Such candidates will be admitted to selection conditionally, and will be excluded from the Ph.D. programme should it emerge, upon verification, that the title held does not correspond to the requisites listed by the present call for applications and therefore does not allow for enrolment in the Ph.D. programme.

Candidates must attach the adequate declaration in lieu of affidavit, in accordance with art. 47 of D.P.R. 445/2000 and subsequent amendments, in which they certify compliance to the original of the publications presented. Further, candidates must declare under their own responsibility and in accordance with D.P.R. n. 445/2000 the truthfulness of the data and information in the *curriculum vitae et studiorum*.

It is necessary to specify, for all qualifications and all information included in the *curriculum vitae et studiorum*, all elements which may aid the process of verification by the Administration (e.g. *Start/end date, institution/company, duration of grant/contract, marks, position filled, etc.*)

All candidates are admitted to selection upon condition of verification that they fulfil the requisites set out by the call for applications.



UNIVERSITÀ degli STUDI MAGNA GRÆCIA di CATANZARO

For reasons linked to organization of workload and timeliness, effectiveness, and efficiency of administrative action, the Administration will only carry out checks on those applicants who will have taken and passed the admission tests.

The University may, at any time during the process and following the start of the Ph.D. programme, carry out checks on the truthfulness of the information provided, in accordance with law DPR n. 445/2000 and its subsequent amendments.

Should motives for exclusion be determined after the start of the programmes, the University may arrange, through a provision justified by the Dean, for the exclusion of the candidate from the selection process or the Ph.D. programme and the revoking of any related benefits, with no prejudice to the penal responsibilities for falsification of documents and false/untrue/fraudulent statement as set out in art. 76 DPR 445/2000, as may apply.

Art. 5 - Judging Committees

The Judging Committee is appointed with an ordinance issued by the dean upon consultation with the coordinator of the Ph.D. programme; it is composed normally of the coordinator himself, President of the Committee, and the *curricula* coordinators, always guaranteeing an odd number of components through the appointment, where necessary, of an extra component taken from the teaching body.

The commission may be integrated with other College professors appointed by the Department.

For Ph.D. courses not articulated in *curricula*, the Commission is appointed by Rector's Decree, after consulting the Coordinator of the doctorate, and normally is constituted by the Coordinator of the doctoral course, as President, and two members of the College of Teachers.

The same decree appoints the alternate members appointed from among the members of the College of Teachers.

The composition of each commission will be published, after the call for applications deadline, on the website of the University at <https://web.unicz.it/it/category/bandi-ateneo>.

Art. 6 – Selection Process

Admission to the PhD programme is based on a selection procedure aimed at ascertaining the candidate's preparation and aptitude for scientific research.

The selection procedure consists of the evaluation of qualifications and an interview that will focus on the discussion of qualifications, previous scientific experience and knowledge of a foreign language.

For the evaluation of the titles 50 points are reserved as follows:

- a maximum of 35 points for the Curriculum vitae et studiorum (CV);

The candidates will be evaluated on the basis of the **entire university career**, that is, on the basis of the arithmetic average of the marks obtained during the three-year degree together with the votes of the two-year master's degree. For this purpose it is necessary to self-certify the Master's Degree (or equivalent) with the analytical indication of the exams taken, the date and the vote and declare the relative arithmetic average; in the case of a non single cycle degree, it is necessary to self-certify the exams taken during the three-year period and during the two-year specialist/ master's degree course, date and vote and declare the relative arithmetic average;

- a maximum of 12 points for any publications relevant to the Doctoral themes, including the thesis;
 - a maximum of 3 points for any Master's, scholarships and research grants relevant to the Doctoral themes.
- Typewritten or printing works not yet accepted by scientific journals will not be considered.



UNIVERSITÀ degli STUDI MAGNA GRÆCIA di CATANZARO

For the admission to the interview the candidate is considered eligible if he reaches a vote of not less than 30/50.

The interview is awarded a maximum score of 50 points.

The minimum threshold for passing the interview is 30/50.

The knowledge of the foreign language, according to the specifications indicated for each doctoral course in the aforementioned Annex A, will be ascertained during the interview.

The candidate may decide whether to take the interview in English or Italian.

The results of the evaluation of qualifications will be published by the Selection Boards through publication on the University's website at <https://web.unicz.it/it/category/bandi-ateneo> according to the calendar indicated in Annex A for each doctoral course.

The publication of the scores reported in the evaluation of the titles constitutes, for those who have obtained a vote of at least 30/50, convocation for the interview without further notice and/or communications.

The interview will normally take place in a classroom open to the public. At the request of the Commission, the Rector may authorize the interview in videoconference. **Subject to the option to carry out electronically, on specific request, for candidates of foreign citizenship and/or residing abroad, for any cases of compulsory quarantine and for candidates of Italian nationality working abroad with a regular employment relationship.** To this end, the candidate must submit in the manner described in art. 4 (p.5), reasoned request to the Rector who will authorize, if the conditions are met, the conduct of the interview at a distance. **Only in cases of mandatory quarantine**, the candidate in the days before the date of the interview may submit to the **PEC protocollo@cert.unicz.it** appropriate request to the Rector. Only candidates of foreign nationality residing abroad can send this request by ordinary e-mail to affarigenerali@cert.unicz.it, configured to accept ordinary e-mails.

In case it becomes necessary to adopt the modality of carrying out the interview electronically for all candidates and in case of any change in the schedule of the interviews will not be given any personal communication to the candidates.

Applicants are therefore responsible for checking any updates on the University's website at <https://web.unicz.it/it/category/bandi-ateneo> ; These notices will have the effect of notifying all applicants.

The date of completion of the interview, set for each doctoral course in Annex A, is a notification for all intents and purposes. Candidates admitted following the formal verification of applications pursuant to art.4 above and who have obtained a score of at least 30/50, following the evaluation of qualifications, are required to present themselves, without further notice, at the office, on the day and time indicated.

Only candidates of foreign citizenship and/ or resident abroad, candidates in compulsory quarantine and candidates of Italian nationality working abroad with regular employment relationship, which have been authorized by the Rector pursuant to the previous paragraphs, and have been admitted following the verification of applications pursuant to Article.4 above and have obtained a score of at least 30/50, following the evaluation of the titles, are required to connect electronically on the day and time that will be indicated by notice published at <https://web.unicz.it/it/category/bandi-ateneo> together with the virtual classroom access link. The timetable may be subject to increasing variations.

To take the test, candidates must present a valid identification document.

The interviews in telematic mode will be carried out in public session through the Meet Gmail platform. The Meet Gmail platform allows the public access to the virtual classroom where the session takes place. In any case, the interviews must be publicized.



UNIVERSITÀ degli STUDI MAGNA GRÆCIA di CATANZARO

Applicants are required to connect on the day and time that will be published in the aforementioned notice for the conduct of the interview on the MeetGmail platform. To this end, the Commission will, on the date and time set, invite applicants by e-mail to connect to the link for the conduct of the interview. By clicking on the link the name of the candidate will appear on the screen of the Commission; at this point the Commission will be able to see and hear the candidate. The commission will ask you to identify the student by asking him to bring the valid ID closer to the camera. The Commission can silence the microphone of all candidates, so that the other candidates can listen (both the Commission and the candidate questioned), making the test de facto public. At the end of the interview, the Commission will silence the microphone of the interviewed candidate and ask the next candidate to reactivate his microphone (the microphone cannot be reactivated directly by the Commission).

The candidate must be available to the account indicated in the application form on the day and time set for the interview. The Commission may agree with the applicant on a specific time for the start of the interview. The Commission may ask the candidate, before starting the interview, to frame the room and frame the table, on which there must be nothing outside the computer (it is not possible to keep books and notes, unless authorized by the Commission).

Excluded from the competition are candidates who have not indicated a valid e-mail address for the electronic link, who are unavailable on the day or time established, which do not provide a valid identity document or where the link of the candidate does not work.

The University of Magna Græcia Studies of Catanzaro declines any responsibility in the event that technical problems prevent the smooth conduct of the interview. Please note that the University of Magna Græcia Studies of Catanzaro does not provide technical assistance to candidates and that it remains the responsibility of the participants to verify both the functionality of their telematic link and that the device used is suitable and functional to the connection.

The committee shall draw up minutes for each meeting. At the end of each interview session, which will be held in public, the Commission shall draw up a list of the candidates examined, indicating the votes recorded by each candidate in the interview. The list, signed by the President and the Secretary of the Commission, shall be posted on the same day at the place where the test will be carried out and, in the case of an interview conducted electronically, the Selection Board will inform the candidates who have taken the interview of the score assigned electronically.

The results of the colloquium will be published at <https://web.unicz.it/it/category/bandi-ateneo> at a later date.

Any changes and updates to the call, including any changes to the dates and methods of conducting the interview will be disclosed exclusively through publication on the University website at <https://web.unicz.it/it/category/bandi-ateneo>.

Candidates are responsible for checking any updates on the University's website, even close to the scheduled dates for the interviews.

At the end, the Commission forms, in descending order, the general ranking of merit by adding the votes attributed to each candidate in the evaluation of qualifications and the score assigned to the interview.

The general ranking lists will be published on the University's website at <https://web.unicz.it/it/category/bandi-ateneo>.

The President of the Selection Board **promptly** sends the minutes of the selection operations to the Rector who, normally within 15 days., from the date of receipt of the above-mentioned minutes, it shall, by its own decree, approve the acts of the selection or postpone them for any regularization. **From the day following the date of publication of the Rector's Decree approving the selection documents on the website**



UNIVERSITÀ degli STUDI MAGNA GRÆCIA di CATANZARO

<https://web.unicz.it/it/category/bandi-ateneo>, they run, under penalty of forfeiture, the deadlines for the submission of the application for registration pursuant to art. 8.

Art. 7 – Rankings

The Commission forms the general ranking of merit on the basis of the scores obtained by the candidates in the assessment of qualifications and in the interview.

Admission to the courses with **the provisional allocation of the scholarship** will take place by Rector's Decree, on the basis of the general ranking of merit, within the limits of the availability of the places fixed by the call for applications for each curriculum, and on the basis of the priority order of the projects of interest expressed by the winning candidates.

Admission to the courses without a scholarship will be by Rector's Decree, on the basis of the general ranking of merit, within the limits of the availability of the places fixed by the call and on the basis of the order of priority of the projects expressed by the winning candidates. The winners of a place without a scholarship at the time of registration can choose only projects labeled "University/ without scholarship" or, for the PhD course in Life Sciences projects "Without scholarship".

In the event that the results of the admission tests lead to an ex aequo situation for a post with scholarship, the assessment of the economic situation determined pursuant to D.P.C. 9/04/2001 prevails.

To this end, **candidates in an ex aequo position** are required to submit, online, the request for the ISEE Model the day following the date of publication of the merit ranking; In any case, candidates in an ex aequo position **must transmit the ISEE model to the University Administration** (at the address affarigenerali@cert.unicz.it or affarigenerali1@unicz.it) **no later than September 26, 2022** in order to allow the award of PNRR scholarships by the ministerial deadline; to this end, **candidates admitted to the interview are invited to check in advance the documentation and the time necessary for the issuance of the ISEE.**

In case of further parity, the youngest candidate of age prevails pursuant to art. 3, c. 7 of law 127/1997, as supplemented by art. 2 of Law 191/1998.

In the event that the results of the admission tests lead to an ex aequo situation for a post without scholarship, the youngest candidate shall prevail.

If posts reserved for foreign graduates are not allocated for lack of suitable candidates, these posts will be made available for admission procedures for ordinary posts.

In the case of placement in a position useful in several doctoral courses, the order of priority expressed in the application for participation, by means of a declaration in lieu of the document of notoriety, will be a binding criterion for admission to the courses.

The activation of the curricula depends on the ranking of the candidates who have chosen a particular curriculum.

Therefore, only the curricula for which there are in the general ranking of merit winning candidates who had chosen those particular curricula will be activated.

Courses start on November 2nd 2022.

In the event that one or more scholarships financed or co-financed by the PNRR (ex D.M. 351/2022 and D.M. 352/2022) are not admitted to funding following verification by ANVUR, we will proceed - **even after**



UNIVERSITÀ degli STUDI MAGNA GRÆCIA di CATANZARO

the start of the courses - to reassign according to the order of the merit ranking the scholarships actually available and the places without scholarships. Candidates who, on the basis of the merit ranking, as a result of any aforementioned reassignment, were no longer entitled to the scholarship will continue the doctoral course without a scholarship within the limit of places without a scholarship and without prejudice to the ratio of n.1 place without scholarship every n.3 places with scholarship, pursuant to Ministerial Decree 226/2021.

Candidates who, on the basis of the ranking list of merit, will no longer be entitled to the scholarship will continue the doctoral course without a scholarship.

Candidates who on the basis of the ranking list of merit, following the aforementioned reassignment, will no longer be placed in a useful position in the ranking list will be declared forfeited; in this case, candidates will be entitled to the refund of € 360,00, relating to the registration fee and frequency, and € 150.00 relating to the fee for the right to study, in accordance with the procedures that will be communicated later.

The availability of at least No. 3 scholarships for each doctoral course for its activation remains limited.

Art. 8 – Required action for successful candidates

Upon enrolment , the winners must express the order of priority of the projects of interest **listed in Annex A to this call** by filling in the form available at <https://web.unicz.it/it/category/bandi-ateneo> . **Winners must select all projects financed or co-financed by the PNRR.**

In any case, it is **strongly recommended** to **select in addition to all PNRR projects also all projects with a University grant / Without a scholarship**

The winning candidates **will have to fill in the application online for the first year.**

The winners must connect to the University's website on the <https://unicz.esse3.cineca.it/Home.do> page, choose the 'Login' item and, using the username and password assigned by the system when registering for the competition (or in the possession of the student if student of the University of Catanzaro), follow the following path: "Segreteria-Immatricolazione/Scelta tipologia Corso di studio" (in case of loss of username and password, open a ticket to the following link <https://www.asi.unicz.it/helpdesk/>).

N.B. The conclusion of the online procedure alone does not complete the enrolment.

The winners, after completing online the application for registration in the first year by entering all the required data, will have to print the same application.

The application for registration for the first year must be accompanied by:

- **The application for participation in the selection** (printed exclusively by the online filling procedure) signed in original;
- **Form, drawn up according to the facsimile that will be made available at <https://web.unicz.it/it/category/bandi-ateneo> , duly completed, containing the choice of projects with the indication of the order of priority;**
- receipt of the payment, made by PagoPA payment, of the first installment of the registration fees and frequency of € 526.00 (euro five hundred twenty six/00) including "Tuition fee and PhD course attendance I installment - I year of € 360.00, Fee for the right to the PhD study of € 150.00 (subject to balance) and virtual stamp of € 16.00".
- photocopy of a valid identification document;
- photocopy of the tax code;



UNIVERSITÀ degli STUDI MAGNA GRÆCIA di CATANZARO

- (only for PhD students who have received a PNRR grant): declaration of commitment containing the obligations deriving from the funding body.

The successful candidates, under penalty of forfeiture, must send by PEC or by hand delivery, even by courier, the application for registration in the following prescribed terms:

The application for registration accompanied by the aforementioned annexes must be received no later than 3 (three) days starting from the day following the date of publication of the Rector's Decree approving the selection documents on the website <https://web.unicz.it/it/category/bandi-ateneo> in one of the following ways:

- sent by PEC to the certified e-mail address protocollo@cert.unicz.it.

The PEC must include in the subject: Enrolment I year PhD in _____ (specify the PhD course).

- delivered by hand, even by courier, no later than the aforementioned deadline at the Protocol Office of the University of Magna Græcia Studies of Catanzaro located on the ground floor - Office Building, University Campus, Viale Europa, Loc. Germaneto, 88100 Catanzaro, in the following opening hours:

from Monday to Friday, from 9.00 to 12.00

Monday and Tuesday from 15.00 to 16.00

No complaints are allowed for late applications. Registration requests received by priority mail are not allowed.

The address of the application for registration remains at the sole risk of the sender if, for whatever reason, the application itself does not reach its destination in due time.

If the expiry date indicated falls on a public holiday, the deadline shall be extended to the first working day. Applicants are also required to complete and attach to the application for registration the presumptive declaration of gross personal income available on the University website <https://web.unicz.it/it/category/bandi-ateneo> for the purpose of awarding the scholarship.

These declarations are subject to the verification of the veracity of their content by the University Administration, also in collaboration with the Tax Police Bodies.

Those who have not regularised their registration within the above terms will be considered as renouncers and the vacancies will be assigned, within two months from the beginning of the courses, to the suitable candidates according to the order of the ranking, without prejudice to a lower deadline for places with PNRR scholarships. In case of renunciation of the winners or availability of additional resources by the deadline of this call, it is possible to admit eligible candidates placed in a useful position in the ranking within two months from the beginning of the courses, without prejudice to a lower deadline for places with PNRR scholarships. The communication to the next candidate will be sent by registered letter, or other equivalent means, to the address indicated in the application for the participation in the selection and the candidate must produce the application form according to the procedures provided, in the previous paragraphs, for the winning candidates.



UNIVERSITÀ degli STUDI MAGNA GRÆCIA di CATANZARO

Those who are already enrolled in another doctoral course will not be taken into account in the phase of any ranking step after the beginning of the courses.

The University Administration assumes no responsibility for the case of dispersion of communications depending on incorrect indications of residence and delivery by the aspirant, or by failure or late notification of the change thereof, nor for any postal or telegraphic errors not attributable to the Administration itself.

Art. 9 – Scholarships

The scholarships are assigned by Rector's Decree according to the order defined in the general ranking of merit within the limits and with the modalities referred to in art. 7.

The acceptance of PNRR scholarships entails, among others, the following obligations, under penalty of revocation of the scholarship:

- a. for general PNRR grants ex D.M. 351/2022: spend a period of study and research abroad of at least six (6) months;
- b. for the grant PNRR D.M. 351/2022 - Digital and environmental transitions: spend a period of study and research abroad of at least six (6) months and carry out periods of study and research in companies, research centers or public administrations from a minimum of six (6) months to a maximum of twelve (12) months;
- c. for grants PNRR D.M. 352/2022: spend a period of study and research abroad of at least 6 months and carry out periods of study and research in the enterprise from a minimum of six (6) months to a maximum of twelve (12) months.

All grants funded under the PNRR are not compatible with the salary of an employee (temporary/ indefinite) of a private company, in order to avoid the occurrence of State aid hypotheses.

The yearly amount of the scholarship, before taxes, is of € 16,243.00; this is paid in monthly deferred instalments. This amount is increased by a maximum of 50 percent for a total period of no more than 12 months, if the PhD student is authorized by the College of Teachers to carry out research activities abroad. For the scholarship, the limit of total gross annual personal income is set at € 15.000,00. The income refers to the year of disbursement of the scholarship.

Income of property origin and emoluments of any other nature, whether recurrent or occasional, personal income from work with the exclusion of the amount of the grant or any income support benefits paid on the basis of the grant (maternity allowance).

The Ph.D. student is required to return, even in case of cancellation of the course, the accruals of the scholarship already received in cases where it exceeds the aforementioned income limit.

The scholarships have an annual duration and are renewed on condition that the PhD student has completed the program of the activities planned for the previous year according to the procedures provided for in art. 12 of the University Regulations on Ph.D. It remains the obligation to award the scholarship after passing the examination.

The scholarship cannot be combined with other scholarships for any title awarded, except those granted by national or foreign institutions useful to complement, with stays abroad, the training or research activities of PhD students.

The scholarship of the PhD is subject to the payment of the INPS social security contributions under separate management pursuant to Article 2, paragraph 26, of Law August 8, 1995, n. 335, and subsequent amendments, two thirds to be borne by the administration and one third by the grant holder. Doctoral students enjoy the protection and related rights.



UNIVERSITÀ degli STUDI MAGNA GRÆCIA di CATANZARO

Each PhD student is assured, within the existing financial resources in the budget of the University "Magna Græcia" of Catanzaro, a budget, determined annually by the Board of Directors, for research activities in Italy and abroad.

Those who have already received a scholarship for a doctoral course even for a single year, or a fraction of it, cannot benefit from it a second time.

The provisions of Article 4 of Law No. 476 of 13 August 1984 shall apply to the grant for the attendance of doctoral courses in tax matters.

The payment of the scholarships to the candidates winners of scholarships financed by D.M. 351/2022 and D.M. 352/2022 will be made after the confirmation of eligibility for the additional scholarship by the competent ministerial offices and the final awarding of scholarships to the winners.

Admission to the doctorate involves an exclusive and full-time commitment, without prejudice to the possibility of a specific discipline in relation to the provisions of art. 1, paragraph 6, from art 7 of the Regulations in the matter of doctoral studies pursuant to D.M. 226/2021.

The PhD students, as an integral part of the training project, can carry out, after approval of the College of Teachers and without this entailing any increase in the scholarship, tutoring activities, students of the degree and master's degree programmes and, in any case, up to a maximum of forty hours in each academic year, supplementary teaching activities. For the activities referred to in this paragraph, doctoral students are paid the allowances referred to in art.1, paragraph 1, letter b) of DL 105/2003 converted into law n.170/2003.

Civil servants admitted to doctoral courses shall enjoy, for the normal duration of the course, leave provided for in the collective agreement or, for employees under public law, special leave for study purposes, in accordance with the requirements of the administration, pursuant to Article 2 of Law No. 476 of 13 August 1984, as amended, with or without cheques and unless expressly waived, only if they are enrolled for the first time in a doctoral course, regardless of the disciplinary area.

The interventions foreseen by D.L. n. 68/2012 are extended to PhD students, with the modalities regulated therein.

The provisions on maternity protection set out in the decree of the Minister of Labour and Social Security of 12 July 2007, published in the Gazzetta Ufficiale No. 247 of 23 October 2007, apply to doctoral students.

Students enrolled in the Ph.D. program can carry out periods of training at Italian or foreign universities or research institutes. **All Ph.D. students have the obligation to carry out, during the three-year period, a research period abroad of at least 3 months (90 days) and not more than 18 months. The increase of the scholarship is established in the amount of 50%, for a total period not exceeding twelve months, for the conduct of research activities abroad authorized by the college of teachers, as established in art.9 of the D.M. 226/2021. The specific obligations for beneficiaries of grants financed under D.M. 351/2022 and D.M. 352/2022 remain unchanged.**

The acceptance of PNRR scholarships entails, among others, the following obligations, under penalty of revocation of the scholarship:

- a. for general PNRR grants ex D.M. 351/2022: spend a period of study and research abroad of at least six (6) months;**
- b. for the grant PNRR D.M. 351/2022 - Digital and environmental transitions: spend a period of study and research abroad of at least six (6) months and carry out periods of study and research in companies,**



UNIVERSITÀ degli STUDI MAGNA GRÆCIA di CATANZARO

research centers or public administrations from a minimum of six (6) months to a maximum of twelve (12) months;

c. for grants PNRR D.M. 352/2022: spend a period of study and research abroad of at least 6 months and carry out periods of study and research in the enterprise from a minimum of six (6) months to a maximum of twelve (12) months.

Upon submission of the application, the candidate is aware of the need to carry out, in case of awarding the doctoral grant, the planned research periods in the company and abroad, and that failure to respect the performance of even one of the two periods of research will lead to the revocation of the scholarship.

The Ph.D. student beneficiary of the PNRR scholarship, accepting the scholarship, must submit a declaration with which:

- a) formally undertakes to carry out the planned research periods in the company and abroad, at the same time certifying to be aware that failure to comply with the minimum period at the company or failure to comply with the minimum period abroad will result in the withdrawal of the scholarship;
- b) certifies that it is aware that the modification of the project objectives and the expected results (if it has not been previously authorised by the MUR) will lead to the withdrawal of the scholarship and the total refund of any amounts already paid;
- c) certifies that it is aware that any negative assessment by the Board of Lecturers and the consequent non-admission to the following year of the doctoral course will result in the withdrawal of the sums already paid for the current year, and that failure to obtain a qualification will result in the withdrawal of the sums already paid for the last year of the course;
- d) certifies that it does not benefit from any other scholarship at any time, and undertakes, for the duration of the grant, not to benefit from other scholarships for any title awarded, except for those eligible under national law in force.

In the above cases of withdrawal of the grant and in particular in the case of:

- modification of the project objectives admitted to funding and of the expected results, if the necessary authorisation by the MUR has not been previously requested and subsequently granted;
- failure to carry out the minimum research periods provided for in the undertaking and abroad; - any negative assessment by the Board of Lecturers and consequent non-admission to the following year of the doctoral course;
- refusal or failure to obtain the degree;

The University of Catanzaro will be entitled to recover the amounts received from the beneficiary.

At the end of each year, Ph.D. students present a report of their research to the Ph.D. College. This report is accompanied by an explanatory report by the Lecturer and is discussed by the candidate with the Ph.D. College.

It is expected the forfeiture from the status of Ph.D. student, with a rectoral decision, following a reasoned decision of the College of the Ph.D., after consulting the interested party, in the case of:

- a) negative opinion of the Doctoral College at the end of the year of attendance;
- b) unjustified and prolonged absences;
- c) conduct contrary to the rules of incompatibility.

In the event of suspension lasting more than thirty days, or exclusion from the course, no scholarship may be awarded.

It is the sole responsibility of the Board of Lecturers to authorize the Ph.D. student to work. The College of Teachers, upon request for authorization from the Ph.D. student, accompanied by a statement from the supervisor - certifying the compatibility of the work activities with the successful conduct of the training



UNIVERSITÀ degli STUDI MAGNA GRÆCIA di CATANZARO

activities - may authorize, by means of a reasoned resolution, Ph.D. students with or without a scholarship to carry out paid activities, verifying their compatibility with the profitable full-time development of training, teaching and research activities relating to the doctoral course. Compatibility is to be understood in the sense that the work activity is similar to the themes of the doctorate and is in any case compatible with the respect of the commitment required for the training activities of the course itself. In particular, it remains firm that for doctoral candidates with scholarship, the paid activities must be limited to those in any case related to the acquisition of skills related to the training field of the doctorate; for PhD students without scholarship, in any case, any incompatibility arising from their work must be assessed in concrete terms.

Any authorization to work for a doctoral candidate who is a public or private employee, for an indefinite or fixed period, may not be granted for more than 24 months for the entire doctoral course.

The Ph.D. student must annually ask the College of teachers for permission to carry out the work and transmit the decision of the College to the competent Office. In case of authorization, the PhD student can carry out, at the same time, the work and the doctoral training.

In the event of refusal of authorization, the Ph.D. student will have to choose whether to continue to attend the doctorate or give up for the benefit of work.

Failure to use the scholarship, which also occurred during the year, does not result in exemption from the payment of tuition and tuition fees for the whole year.

The use of the scholarship for the attendance to the doctorate is compatible with other income, even received continuously in the calendar year in which the grant is received, provided that they do not exceed the maximum amount established. If the income limit is exceeded, the grant is considered withdrawn for the whole year. The person concerned must declare his income annually and report any exceeding of the prescribed limit.

The tuition fees and attendance at the Ph.D. courses are determined for a.y. 2022/23, in the amount of € 1.124,45 to be paid in three installments according to the following table, and the Tax for the right to study determined by the Regione Calabria:

Category	Income	Annual amount university tax	I installment	II installment	III installment	Stamp duty paid virtual system	Tax for the right to study PhD programme
PhD student with grant	N.A.	€ 1.124,45	€ 360,00 at the time of enrolment	382,23 by 31.12.2022	382,22 by 30.04.2023	€ 16,00 at the time of enrolment	To be paid in the amount established by Regione Calabria,
PhD student without grant		exoneration				€ 16,00	To be paid in the amount established by Regione Calabria,

Ph.D. students who do not use a doctoral grant must pay the annual university fee for the entire academic year, the regional fee for the right to study and the stamp fees.



UNIVERSITÀ degli STUDI MAGNA GRÆCIA di CATANZARO

The registration fees and attendance to Ph.D. courses for the following academic years are determined according to the aforesaid prospectus, unless otherwise determined at the time of approval of the regulations on student contribution of the University.

Registrations shall be made by 31 October 2022.

It is allowed the joint attendance of the doctoral course and a course of medical specialization provided that both belong to the University of Catanzaro and in accordance with art.7 paragraph 1 letter a) of D.M. 226/21. It is allowed to reduce the doctoral course to a minimum of two years in compliance with the provisions of art.7 paragraph 2 of D.M. 226/21.

Students enrolled in a non-medical graduate school admitted to the Ph.D. programme are obliged to suspend the attendance of these courses from the beginning and for the duration of the doctoral course.

The Ph.D. student is obliged to respect, as far as compatible with the precepts expressed by the D.P.R. 16.04.2013, n. 62 bearing the "Code of conduct of civil servants, pursuant to art. 54 of Legislative Decree 165/2001" and the "Code of Conduct of the Magna Græcia University, issued with D.R. n. 370/2016". It is expected the forfeiture of the PhD course in case the PhD student fails to comply with the provisions of the aforementioned Codes of Conduct.

The above-mentioned Codes of Conduct are available on the University's website at <http://web.unicz.it/it/page/codice-disciplinaye-codice-di-condotta>.

Art. 11 – Attainment of the title

The title of Ph.D., abbreviated in Italian with "Dott. Ric." (PhD) is awarded by the Rector following the public discussion of a thesis that contributes to the advancement of knowledge and methodologies in the chosen field of research.

The procedures for obtaining the title are governed by Article 10 of the University Regulations in PhD topics mentioned in the introduction.

Art. 12 – Treatment of personal data

The personal data provided by the candidates will be collected and processed by the University of Magna Græcia Studies of Catanzaro (P.I. 02157060795 - C.F. 97026980793), based in Viale Europa - 88100 Catanzaro (Phone: 0961 3694001- PEC: protocollo@cert.unicz.it) for the purposes of managing this selection in accordance with current legislation on the protection of personal data (EU Regulation 2016/679 and d.lgs 30 June 2003, n. 196 as best described in the extended information available on the institutional site of the University <https://web.unicz.it>; the data protection officer (DPO) can be contacted at dpo@unicz.it.

Art. 13 – Ph.D. application procedure Manager

In accordance with the provisions of art. 5 of the law 7 August 1990, n. 241, dott.ssa Eleonora Consoli is responsible for the procedure, with exclusion of the selective phases, of the selections for the admission to the PhD courses listed below:

- 1) public selection for admission to the PhD programme in Digital Medicine;
- 2) public selection for admission to the PhD programme in Molecular Medicine;
- 3) public selection for admission to the PhD course in Translational Medicine;
- 4) public selection for admission to the PhD programme in Psychology;
- 5) public selection for admission to the PhD course in Translational Research and innovative technologies applied to nutrition and predictive and precision medicine;
- 6) public selection for admission to the PhD programme in Clinical and Experimental Biomedical Sciences;



UNIVERSITÀ degli STUDI MAGNA GRÆCIA di CATANZARO

7) public selection for admission to the PhD programme in Life Sciences.

The competent Organizational Unit is the General Affairs Area - Università Magna Græcia di Catanzaro - Campus Universitario - V.le Europa, Loc. Germaneto, Catanzaro, tel. + 39 0961/3696075- 0961/3696083 - affarigenerali1@unicz.it, consoli@unicz.it; Mrs. Viviana Borelli - tel. + 39 0961/3696075, e-mail affarigenerali1@unicz.it.

Art. 14 – Norms of reference

For anything not expressly provided for in this call, the laws and regulations on PhD apply.

Art. 15 – Publicity

This call, drawn up in Italian and English, will be published on the website of the University of Studies Magna Græcia of Catanzaro in the sections <https://web.unicz.it/it/category/bandi-ateneo> and <https://web.unicz.it/it/gory/dottorati>-Research on the European Euraxess site and the MUR site.

In case of litigation, the text of reference will be exclusively the original text in Italian.



**UNIVERSITÀ degli STUDI MAGNA GRÆCIA
di CATANZARO**

**Annex A – Details of PhD Courses Biomedical - Pharmacological Area – a.y.
2022/2023**

DIGITAL MEDICINE

Training objectives	<p>The Ph.D. in "Digital Medicine" is a multidisciplinary Ph.D. aimed at the theoretical-practical learning of the most advanced technologies in the field of bio-medical, bio-engineering, bio-informatics and artificial intelligence, for the application development of integrated research programmes in the fields of medical surgery, regenerative medicine and the planning and conduct of experimental clinical studies through the implementation of digital medicine and telemedicine. For its characteristics, the Ph.D.Course has as its aim the high training of doctors, engineers in the field of health, biologists, physicists, bio-informatics, and bio-statistics, able to transfer and integrate the technological know-how in the field of medical applicationsand, at the same time, to learn the use of advanced technologies for new diagnostic-therapeutic strategies and improvement of the quality of life of patients. The main objective of the Ph.D. is to prepare Ph.D. students to develop scientific research projects that address a complex problem that can be at different scales, from the molecular and cellular level to living organisms to biomedical systems. They investigate original methods, devices and systems with different purposes: to increase knowledge, to propose innovative methods for diagnosis and therapy, as well as to improve health and daily life facilities and services. The Ph.D. aims to develop engineering skills of high level problem solving in biomedical, health and life sciences, within research groups or in private/public industrial or clinical contexts, through a strong interdisciplinary training that combines engineering with medical/biological know-how.</p> <p>At the end of the Ph.D., candidates must be able to carry out innovative projects and research development in the field of digital medicine and bioengineering and advanced medical therapies, proposing new methodological and technical solutions and appropriately assessing the technological impact in healthcare, life sciences and biomedical industry. The Ph.D. Course aims, therefore, the post-graduate training of new highly specialized professional figures who, for their interdisciplinary skills, may have new and more qualified job opportunities in the Universities, in public or private research institutes, in hospitals or in the pharmaceutical and biomedical industry.</p>
Curricula provided	<ul style="list-style-type: none">➤ <i>INNOVATION IN BASIC AND CLINICAL RESEARCH FOR RARE AND NON-COMMUNICABLE CHRONIC DISEASES</i>➤ <i>INNOVATIVE TECHNOLOGIES FOR DIGITAL MEDICINE AND ADVANCED THERAPIES</i>
Coherence with PNRR	<p>The experience of the pandemic has highlighted the importance of being able to rely on the appropriate exploitation of the most advanced technologies, on high digital, professional and managerial skills, new processes for the delivery of services and care and a more effective link between research, data analysis, care and system-wide programming.</p>



UNIVERSITÀ degli STUDI MAGNA GRÆCIA di CATANZARO

	<p>The strategy pursued with mission 6 of the PNRR is aimed at addressing in a synergistic way all these critical aspects. A significant effort in terms of reforms and investments is aimed at aligning services to patient care needs in every area of the country. A large part of the resources is destined to improve the infrastructural and technological equipments, to promote the research and the innovation and to the development of technical-professional, digital and managerial competences of the staff.</p> <p>On this basis, the Ph.D. in Digital Medicine is fully consistent with Mission 6 (Health) of the PNRR. In particular, the Ph.D. training project and its objectives are in line with component 2 of Mission 6 (M6C2): Innovation, research and digitization of the National Health Service. The measures included in this component aim, on the one hand, at the renewal and modernisation of existing technological and digital structures, and, on the other, at scientific research and technology transfer, as well as strengthening the skills and human capital of the NHS. Within the M6C2, Investment 2.1 "Enhancement of biomedical research of the NHS" aims to strengthen the system of biomedical research in Italy, strengthening the response capacity of the centres of excellence in Italy by funding research programmes or projects in the field of rare diseases and highly disabling diseases.</p> <p>The Ph.D. course in Digital Medicine has as its aim the innovation of basic and clinical research for rare and non-communicable chronic diseases with high impact. Finally, the Ph.D. in Digital Medicine for its definition and highly innovative purposes is consistent with Mission 4 ("Education and Research") - Component 1 ("Enhancement of the offer of education services: from kindergartens to the University"), Investment 4.1 ("Extension of the number of innovative Ph.D. programmes for public administration and cultural heritage").</p>
Course duration	3 years
Coordinator	Prof. Daniele Torella
Coordinator e-mail	dtorella@unicz.it
Acceptance conditions and procedures	LM-6 Biology LM-8 Industrial Biotechnology LM-9 Medical, Veterinary and Pharmaceutical Biotechnology LM-13 Pharmacy and industrial pharmacy LM-17 Physics LM-18 Informatics LM-21 Biomedical Engineering LM-25 Engineering of Automation LM-26 Safety Engineering LM-27 Engineering of Telecommunications LM-29 Electronic Engineering LM-31 Management Engineering LM-32 Computer Engineering LM-33 Mechanical Engineering LM-40 Mathematics LM-41 Medicine and surgery LM-44 Mathematical-physical modelling for engineering



UNIVERSITÀ degli STUDI MAGNA GRÆCIA di CATANZARO

	LM-51 Psychology LM-54 Chemical Sciences LM-61 Sciences of Human Nutrition LM-82 Statistical Sciences LM-91 Techniques and methods for the information society		
Places with a scholarship n. 10 (including n. 1 reserved for graduates in foreign universities)	Curriculum Innovation in basic and clinical research for rare and non-communicable chronic diseases	n. 3 scholarship including:	<ul style="list-style-type: none">• n.2 with University scholarship• n.1 with PNRR DM 351 funds
	Curriculum Innovative technologies for digital medicine and advanced therapies	n. 7 scholarship including:	<ul style="list-style-type: none">• n.3 with University scholarship• n.1 with PNRR DM 351 funds• n.3 with PNRR DM 352 funds
Places without scholarship	n.2		
Proposed research projects	At the following link you can view Annex A/1 containing the proposed research projects https://drive.google.com/file/d/1LegH8INSKFFH-prddbWaxLxMDGyN94vGx/view?usp=sharing		
CUP PNRR DM 351 scholarships	CUP F63C22000340002		
CUP PNRR DM 352 scholarships	CUP F63C22000390009		
Publication of evaluation results	No later than 6 September 2022 on the University's website at https://web.unicz.it/it/category/bandi-ateneo		
Interview	7 September 2022, 2 p.m. , Room T, Body H, liv. 2 Campus Universitario, V.le Europa, Loc. Germaneto, Catanzaro, <u>any updates are viewable</u> at the link https://web.unicz.it/it/category/bandi-ateneo		
Foreign language	English		



UNIVERSITÀ degli STUDI MAGNA GRÆCIA di CATANZARO

MOLECULAR MEDICINE

Training objectives	<p>The objective of the Ph.D. course is the formation of professional figures with a solid interdisciplinary competence in medical research, autonomy in the planning, execution and interpretation of experiments, formulation of research projects and preparation of scientific articles. The Ph.D. program will provide candidates with scientific and technological support for the study and resolution of medical issues through the acquisition of a background in the basic disciplines of biomedical research. Strong emphasis will be placed in particular on molecular and cellular approaches to fundamental problems in the research areas covered by the participating departments. The multidisciplinary training that the Ph.D. students will undergo during the course of study, will allow them to develop research projects whose results can contribute to a better understanding of the molecular basis of diseases, through programs that are at the interface between the basic sciences and clinical medicine. The multidisciplinary nature of the program promotes, in fact, an ideal collaborative environment for the training of Ph.D. students, favoring a wide interaction between different skills, a characteristic element of the courses of study of the Magna Graecia University of Catanzaro.</p>
Curricula provided	<ul style="list-style-type: none">➤ <i>EXPERIMENTAL BIOTECHNOLOGY IN MEDICINE</i>➤ <i>TECHNOLOGIES APPLIED TO MOLECULAR MEDICINE</i>
Coherence with PNRR	<p>The National Recovery and Resilience Plan (PNRR) has allocated, with Decrees 351 and 352 of April 2022, a significant number of scholarships for Ph.D. students. This effort, which involves a commitment of about 300 million euros by the government, is aimed at enhancing the quality of higher education of Italian graduates, through specific programs, aimed at implementing the critical mass of young people engaged in research. This Ph.D. course in Molecular Medicine is fully consistent with the PNRR's M4C1 (Strengthening the Provision of Education Services from Kindergartens to University) and M4C2 (From Research to Enterprise) missions. It, in fact, introduces an original dual training path: the first, more traditional, characterized by basic research activities aimed at studying the molecular mechanisms of diseases, which uses multidisciplinary skills and advanced instrumentation available within the Germaneto Campus; the second highly innovative, with a strong technological vocation, aimed at design, creation and production of advanced bioengineering solutions for health technologies. The ultimate goal is to provide Ph.D. students with not only robust tools and knowledge that can be useful for the continuation of their career in the academic environment, in private research institutions or in industry, but to train a new generation of researchers capable of producing original ideas that find repercussions in the market of technologies for human health, encouraging the creation of spinoffs and innovative startups. A model thus conceived will be a driving force for the development of the regional economy, for the increase of qualified employment and for the reduction of brain emigration, which is so damaging to the South and Calabria in particular.</p> <p>Finally, it is important to underline a further element of coherence of this Ph.D. course with the PNRR, and in particular with Mission 6 (Health). The M6C2 component is, in fact, focused on the domains of training, scientific research and technology transfer. The PhD in Molecular Medicine aims to create modern professional figures, whose technical, professional, digital and managerial skills will find employment in the National Health System.</p>
Course duration	3 years



UNIVERSITÀ degli STUDI MAGNA GRÆCIA di CATANZARO

Coordinator	Prof. Giovanni Cuda		
Coordinator e-mail	cuda@unicz.it		
Acceptance conditions and procedures	LM-6 Biology LM-9 Medical, Veterinary and Pharmaceutical Biotechnology LM-13 Pharmacy and industrial pharmacy LM-17 Physics LM-18 Informatics LM-21 Biomedical Engineering LM-25 Engineering of Automation LM-29 Electronic Engineering LM-32 Computer Engineering LM-33 Mechanical Engineering LM-40 Mathematics LM-41 Medicine and surgery		
Places with a scholarship n.8 (including n. 1 reserved for graduates in foreign universities)	Curriculum Experimental biotechnology in medicine	n. 5 scholarship including:	<ul style="list-style-type: none">• n.3 with University scholarship• n.2 with PNRR DM 351 funds
	Curriculum Technologies applied to molecular medicine	n. 3 scholarship including:	<ul style="list-style-type: none">• n.2 with University scholarship• n.1 with PNRR DM 352 funds
Places without scholarship	n. 2		
Proposed research projects	At the following link you can view Annex A/2 containing the proposed research projects: https://drive.google.com/file/d/1NQE4HG_8jYzt6pjsow-47L5iX0eJoj7v/view?usp=sharing		
CUP PNRR DM 351 scholarships	CUP F63C22000350002		
CUP PNRR DM 352 scholarships	CUP F63C22000400009		
Publication of evaluation results	No later than 06 September 2022 on the University's website at https://web.unicz.it/it/category/bandi-ateneo		
Interview	08 September 2022, 2 p.m. , Room T, Body H, Liv. 2, Campus Universitario, V.le Europa, Loc. Germaneto, Catanzaro, <u>any updates are viewable</u> at the link https://web.unicz.it/it/category/bandi-ateneo		



**UNIVERSITÀ degli STUDI MAGNA GRÆCIA
di CATANZARO**

Foreign language	English
-----------------------------	---------



UNIVERSITÀ degli STUDI MAGNA GRÆCIA di CATANZARO

TRANSLATIONAL MEDICINE

Training objectives	<p>The objectives of the Ph.D. course are set out in the two curricula Curriculum 1: Precision medicine and theragnostics Curriculum 2: Advanced Biomedical Technologies. These curricula are characterized by a common vision and methodology, despite the diversity of knowledge of translational medicine for the first and bioengineering for the second. As already defined in the general description of the project, the objectives are aimed at the achievement by the Ph.D. student of an operational autonomy for the programming of the formal phases of development of the prototype, through original and highly innovative research through clearly defined programs in terms of milestones and final goals. This path will be essential for the enhancement of the innovation of the diagnostic/therapeutic offer, proceeding from the proof-of-concept to the actual phase of pre-competitive and competitive product development. To this end, Ph.D. students will be provided with the necessary skills for the preparation of formal procedures such as, for example, the elaboration of an "Investigational Medicinal Product Dossier" (IMPD) to be submitted to regulatory bodies. The present Ph.D. course in Translational Medicine therefore sets an ambitious goal which is not simply that of a pure addition of the procedures of translation to the clinic or to the market of the specific knowledge of the sector, but rather the training of highly qualified professionals who know how to shape their own path in every single phase to obtain the final transfer goals.</p>
Curricula provided	<ul style="list-style-type: none">➤ PRECISION MEDICINE AND THERAGNOSTICS➤ ADVANCED BIOMEDICAL TECHNOLOGIES
Coherence with PNRR	<p>This Ph.D. programme appears to be fully consistent with the objectives of the National Recovery and Resilience Plan (PNRR), which significantly supports higher education, including Ph.D. programmes.</p> <p>The PNRR devotes considerable resources to the empowerment of technological and knowledge networks for a drastic increase in innovation proposals on operational know-how issues, including in the biomedical field.</p> <p>Referring to the Ph.D. course in Translational Medicine, the PNRR missions that are recalled are the following: a) M4C1 (Strengthening the offer of education services from kindergartens to university), b) M4C2 (From research to business), c) M6C2 (Training, scientific research and technology transfer in human health).</p> <p>This Ph.D., in line with these objectives, is aimed at building the professionalism to make fully operational the system configured by the PNRR. A network, in fact, although highly technological, must make use of people with skills in the formal and operational paths to achieve a growth in the healthcare supply, its economic and social sustainability and for the strengthening in terms of innovation and originality of Italian industry. This, in fact, requires not only innovative ideas but also the construction of new paths aimed at the validation and approval of prototypes in the biomedical field.</p> <p>Therefore, in full coherence with the PNRR, the Ph.D. course in Translational Medicine has been configured to ensure, thanks to its multidisciplinary character, that the acquisition of skills by the Ph.D. student takes place in parallel with the growth of skills of transfer and validation of project ideas by the medical-scientific community and regulatory agencies.</p>
Course duration	3 years



UNIVERSITÀ degli STUDI MAGNA GRÆCIA di CATANZARO

Coordinator	Prof. Pierosandro Tagliaferri		
Coordinator e-mail	tagliaferri@unicz.it		
Classes of Bachelor required for admission	LM-6 Biology LM-9 Medical, Veterinary and Pharmaceutical Biotechnology LM-13 Pharmacy and industrial pharmacy LM-18 Informatics LM-21 Biomedical Engineering LM-25 Engineering of Automation LM-29 Electronic Engineering LM-32 Computer Engineering LM-33 Mechanical Engineering LM-40 Mathematics LM-41 Medicine and surgery LM/SNT1 Nursing and midwifery		
Places with a scholarship n.6 (including n. 1 reserved for graduates in foreign universities)	Curriculum Precision medicine and theragnostics	n. 4 scholarship including:	<ul style="list-style-type: none">• n.3 with University scholarship• n.1 with PNRR DM 351 funds
	Curriculum Advanced Biomedical Technologies	n. 2 scholarship including:	<ul style="list-style-type: none">• n.2 with University scholarship
Places without scholarship	n. 1		
Proposed research projects	At the following link you can view Annex A/3 containing the proposed research projects: https://drive.google.com/file/d/1jCZ0Gs_OKsEri6HKN4Bamr8XFC9J8eSZ/view?usp=sharing		
CUP PNRR DM 351 scholaschip	CUP F63C22000360002		
Publication of evaluation results	No later than 06 September 2022 on the University's website at https://web.unicz.it/it/category/bandi-ateneo		
Interview	08 September 2022, 4:30 p.m. , Room R, Body H, liv. 1, Campus Universitario, V.le Europa, Loc. Germaneto, Catanzaro, <u>any updates are viewable</u> at the link https://web.unicz.it/it/category/bandi-ateneo		
Foreign language	English		



UNIVERSITÀ degli STUDI MAGNA GRÆCIA di CATANZARO



**UNIVERSITÀ degli STUDI MAGNA GRÆCIA
di CATANZARO**

PSYCHOLOGY

Training objectives	<p>The main objectives of the Course are: to provide in-depth knowledge in the field of basic and applied psychological research, with particular attention to the aspects of relevance of clinical and evolutionary-educational; to train scholars able to analyze psychological processes in a multidisciplinary and interdisciplinary perspective and to address application problems with adequate and non-sectoral scientific skills of a systemic type. In line with the most recent scientific evidence, in fact, it is considered appropriate to use an integrated approach, of a bio-psycho-social nature, both for prevention and for intervention on psychological discomfort. The integration between the latest developments in neuroscience and behaviour analysis, Among other things, it represents a scientific challenge that proves increasingly valid for a wider and complete understanding of processes and to make easier and more effective the task of psychologists working in the clinical and educational field.</p> <p>For these reasons, the course aims to train students able to analyze the systemic relationships of the main cognitive and emotional-motivational processes with biological and social processes and to monitor their development throughout the life cycle, providing knowledge and skills useful for the understanding of processes and the testing of integrated intervention protocols, of a bio-psycho-social nature, both preventive and clinical, aimed at the prevention and treatment of discomfort and diseases and the consolidation of psycho-physical well-being and quality of life.</p> <p>Finally, the course aims to provide Ph.D. students with the knowledge and skills necessary for an adequate integration in the international scientific-academic world, in line with the requirements of Italian and European regulations.</p> <p>The training program can be consulted at: https://sites.google.com/unicz.it/phdinpsicologia/home-page/programma-formativo?authuser=0</p>
Curricula provided	Nothing
Coherence with PNRR	<p>Today, more than ever, the role of scientific research in many fields of application are clear to all. Scientific research, especially in its "applied" sense, can play a fundamental role where we are faced with emerging problems. The results of scientific research can improve the quality of life, foster well-being and promote pro-active change in society.</p> <p>The themes that applied research faces are multiple, multifactorial and complex. They therefore require multidisciplinary skills and holistic and interdisciplinary approaches capable of taking into account the non-linearity of the phenomena being studied. Moreover, science must respond to the social and psychological demand to identify timely strategies also from a preventive perspective.</p> <p>With the primary objective of providing graduates, with a different basic education, with knowledge and skills that make them suitable not only for carrying out scientifically valid research projects, but to do so in a transdisciplinary and multidisciplinary perspective, The Ph.D. in Psychology was established and activated with the participation of Biologists, Doctors, Pharmacologists, Pedagogists and Psychologists.</p>



UNIVERSITÀ degli STUDI MAGNA GRÆCIA di CATANZARO

	<p>Specifically, the aim of the course is to create training opportunities that can foster the connection between the world of research, development and the productive fabric and innovative services in many thematic areas. Already from the first year of activation, the Doctorate in "Psychology" has activated 4 research grants funded by the PON "Research and Innovation" 2014-2020, Axis IV - Action IV.4 "Doctorates and research contracts on innovation issues" and 1 scholarship funded under action IV.5 "Doctorates on green issues".</p> <p>The collaboration with social enterprises and, in particular, with the Cooperative Social Tice, has been expressed, since the first year, with the activation of a Stock Exchange "Industrial". Tice is a Social Cooperative (type a), focused on the design and implementation of innovative psychological interventions able to respond to the needs and psychological needs of children, adolescents and young adults, and which is characterized by a constant relationship with the academic world. Starting from the 38 Cycle, the Cooperative proposes the co-financing of a grant to be valid on the PNRR, Mission 4, component 2 "From Research to Enterprise" - Investment 3.3 "Introduction of innovative doctorates that meet the needs of innovation companies and promote the recruitment of researchers from companies". The shared objective is to increase the stock of human capital capable of responding to the needs of innovation of companies and, in particular, of social cooperatives, focusing in particular on the promotion of health and well-being and the inclusion and social cohesion of children with special psychological needs and their families. In line with the objectives of innovation of psychological, educational and social methodologies and techniques of the Course, the co-financed research project will be aimed at promoting innovation and the dissemination of scientific technologies mainly in the field of psycho-education and teaching. In particular, the Ph.D. student who should be winner of the co-funded grant must design and carry out a research aimed at verifying the effectiveness of a psychological intervention in telematic mode aimed at subjects of school age and to their families.</p> <p>Studies in the literature highlight the potential and limitations of interventions mediated by smartphones and PCs, but the results available so far, in terms of effectiveness, are discordant</p> <p>In line with the PNRR, the definition of a psychological intervention protocol or at least of guidelines with solid scientific bases, could have a significant impact in terms of "e-health" and "e-therapy"; it would, in fact, allow to provide assistance services socio-evidence-based healthcare, via video-calls, emails, computer platforms and consequently increase the accessibility to psychological and educational care of individuals or families, which, for different reasons, have difficulty or are unable to reach the locations providing such services.</p>
Course duration	3 years
Coordinator	Prof.ssa Francesca Cuzzocrea
Coordinator e-mail	fcuzzocrea@unicz.it
Classes of Bachelor required for admission	All classes of Master's Degree



UNIVERSITÀ degli STUDI MAGNA GRÆCIA di CATANZARO

Places with a scholarship n. 7 including n.6 with University scholarship n.1 with PNRR DM 352 funds	n.7 ordinary places (including n. 3 financed by University of Messina and n.3 financed by University of Catanzaro n.1 with PNRR DM 352 funds)
Places without scholarship (including n.1 reserved for graduates in foreign universities)	n. 2
Proposed research projects	At the following link you can view Annex A/4 containing the proposed research projects: https://drive.google.com/file/d/1dv-RHnAPPnj60gv4DbRgF5fkAr2LNcEZ/view?usp=sharing
CUP	CUP F63C22000420009
Publication of evaluation results	No later than 02 September 2022 on the University's website at https://web.unicz.it/it/category/bandi-ateneo
Interview	5 September 2022, 2:00 p.m. , Room T, Body H, Livello 2, Campus Universitario, V.le Europa, Loc. Germaneto, Catanzaro, <u>any updates are viewable</u> at the link https://web.unicz.it/it/category/bandi-ateneo
Foreign language	English



**UNIVERSITÀ degli STUDI MAGNA GRÆCIA
di CATANZARO**

**TRANSLATIONAL RESEARCH AND INNOVATIVE TECHNOLOGIES APPLIED TO
NUTRITION AND PREDICTIVE AND PRECISION MEDICINE**

Training objectives	<p>The training objectives will be oriented towards making the link between basic research and medicine even closer, shortening the time needed to bring the results of research into practice, making full use of the hypotheses suggested by science. It will give ample space to laboratory research (benchside), to the application of the results of the research "to the patient's bed" (bedside) and to the dialogue with the community (community) that aims to combine skills, innovative technologies and infrastructures to train researchers capable of planning research activities aimed at improving key aspects of medicine, such as prevention, diagnosis and therapy, with the aim of studying and proposing solutions that improve prognoses, prevention, screening and treatment of the patient and to improve, on a large scale, the health of the population and public health. Particular attention will also be paid to training in the research area of increasingly indicative biological models for predictive parameters and biomarkers, foreseeing the retrospective evaluation and the continuous refinement of the preclinical model through the critical review and the correct and considered use of the health result. Therefore, the Ph.D. course will be aimed at training figures of Ph.D. students who have a complete understanding of translational, predictive and precision medicine with application in the different specialties, of medical and surgical area, and that they are able to use the most modern engineering, information technology, bioinformatics and nutrition technologies, in order to aim at a scientific activity of excellence. With a view to facilitating the transition from "curing disease" to "maintaining health", a specific focus will be on nutraceuticals, functional foods and information technologies (e.g. high-performance computing, data mining and artificial intelligence) necessary to organize and analyze big data generated in the healthcare sector, so as to build predictive algorithms. The acquisition of skills for a "precision assessment" will be promoted to allow the planning of studies aimed at verifying accurately risk factors and susceptibility to physiological changes, that predispose to the development or maintenance of a certain disorder. It is also intended to stimulate an increasing attention to the global understanding and consideration of the individual, which will allow young participants to acquire the ability to cope, so that they can face the current challenges of sustainability of health systems, carrying out clinical, preclinical and/or translational research projects in the fields of medical, surgical, public health and information sciences. There will also be in-depth studies on activities in the field of basic research management, epidemiological and experimental, with a specific focus on innovative study designs (e.g. umbrella trial and basketball trial) advanced public health and health data analysis strategies, knowledge management of European and international research systems, exploitation and dissemination of results, open access to research data and products, the fundamental principles of ethics, gender equality and integrity. Finally, attention will be paid to the exploitation of research results, technology transfer and the methodologies governing the protection of industrial property through patenting.</p>
Curricula provided	<ul style="list-style-type: none">➤ INNOVATIVE TECHNOLOGIES, NUTRACEUTICALS AND FUNCTIONAL FOODS➤ CLINICAL, TRANSLATIONAL, PREDICTIVE AND PRECISION MEDICINE
Coherence with PNRR	<p>The topics covered in the Ph.D. course are in line with and consistent with the PNRR and in particular with:</p> <ul style="list-style-type: none">- MISSION 4 (Education and Research), Component 2: FROM RESEARCH TO ENTERPRISE, by expanding the offer of Ph.D. courses and strengthening research, by promoting the dissemination of innovative models for basic and applied research, supporting innovation and technology transfer processes and enhancing research and innovative infrastructures, capital and



UNIVERSITÀ degli STUDI MAGNA GRÆCIA di CATANZARO

	<p>innovation support skills. The technology transfer system will also be enhanced in terms of knowledge of patent registration procedures;</p> <p>- MISSION 6 (HEALTH), Component 2: INNOVATION, RESEARCH AND DIGITISATION OF THE NATIONAL HEALTH SERVICE. The training activity, in fact, aims to strengthen the system of biomedical research, strengthening research programs on highly disabling diseases (e.g. infections related to the assistance of multi-antibiotic resistant microorganisms). Scientific progress and technological innovation require that professionals are regularly updated and trained to ensure the effectiveness, adequacy, safety and efficiency of the assistance provided by the National Health System, ensuring the strengthening of the managerial and digital skills of healthcare personnel. Necessity emerged in all its evidence coinciding with the pandemic crisis. A process of acquisition of skills for healthcare professionals and others will be activated, in order to prepare them to face current and future challenges in an integrated, sustainable, innovative, flexible, always result-oriented perspective. Technical, digital and managerial skills will be enhanced through the provision of specific training courses in perfect consistency with the objectives of the PNRR. They will also be oriented to the development and definition of guidelines for local and national policies related to food consumption and research on novel foods capable of improving diets and the nutritional status of the person to prevent multifactorial diseases. Research activities will be developed to increase the adoption of sustainable nutrition and improve the quality of the diet and nutrition of consumers, so as to make available a wealth of skills oriented to the promotion of food welfare, as well as to carry out research aimed at improving the diet also in harmony with a sustainable "environment".</p>
Course duration	3 years
Coordinator	Prof. Arturo Pujia
Coordinator e-mail	Pujia@unicz.it
Classes of Bachelor required for admission	LM-6 Biology LM-8 Industrial Biotechnology LM-9 Medical, Veterinary and Pharmaceutical Biotechnology LM-13 Pharmacy and industrial pharmacy LM-17 Physics LM-18 Informatics LM-21 Biomedical Engineering LM-25 Engineering of Automation LM-26 Safety Engineering LM-27 Engineering of Telecommunications LM-29 Electronic Engineering LM-31 Management Engineering LM-32 Computer Engineering LM-33 Mechanical Engineering LM-40 Mathematics LM-41 Medicine and surgery LM-44 Mathematical-physical modelling for engineering LM-51 Psychology LM-54 Chemical Sciences LM-61 Sciences of Human Nutrition LM-67 Preventive and adapted motor activities LM-68 Sports Sciences and Techniques



**UNIVERSITÀ degli STUDI MAGNA GRÆCIA
di CATANZARO**

	LM-82 Statistical Sciences LM-91 Techniques and methods for the information society LM/SNT1 Nursing and midwifery LM/SNT2 Rehabilitation sciences of health professions LM/SNT3 Science of Technical Health Professions LM/SNT4 Health Sciences of Prevention		
Places with a scholarship n. 7 (including n.1 reserved for graduates in foreign universities)	Curriculum Innovative technologies, nutraceuticals and functional foods	n. 4 scholarships including:	<ul style="list-style-type: none">• n.3 with University scholarship• n.1 with PNRR DM 351 funds
	Curriculum Clinical, translational, predictive and precision medicine	n. 3 scholarships including:	<ul style="list-style-type: none">• n.2 with University scholarship• n.1 with PNRR DM 351 funds
Proposed research projects	At the following link you can view Annex A/5 containing the proposed research projects: https://drive.google.com/file/d/1h1Jy7SitzVKNiTQh23a9Oc2KVYpQgsuM/view?usp=sharing		
CUP	CUP F63C22000330002		
Publication of evaluation results	No later than 6 September 2022 on the University's website at https://web.unicz.it/it/category/bandi-ateneo		
Interview	7 September 2022, 10:00 a.m. , Room T, Body H, liv. 2, Campus Universitario, V.le Europa, Loc. Germaneto, Catanzaro, <u>any updates are viewable</u> at the link https://web.unicz.it/it/category/bandi-ateneo		
Foreign language	English		



UNIVERSITÀ degli STUDI MAGNA GRÆCIA di CATANZARO

CLINICAL AND EXPERIMENTAL BIOMEDICAL SCIENCES

Training objectives	<p>The objectives that the Ph.D. program aims to achieve relate to higher education on the clinical and biomolecular fundamental issues of the medical endocrine-metabolic, cardiovascular, and inflammatory and immunomediated diseases of the digestive system, encouraging the maturation of translational skills that allow each participant, concrete opportunities for occupational integration in public or private research and health care facilities. In particular, full-time attendance is provided at the Research Laboratories and the Operational Units of the Department of Health Sciences and other affiliated locations. During this period, the Ph.D. students will be supported by tutors in the medical or biomedical area defined by the College of Doctoral Teachers and by the Bodies who periodically verify the work done, follow the training process and the preparation of the thesis. There will also be theoretical lessons and seminars on topics related to cardiovascular, metabolic, digestive and immune system pathophysiology, together with the One Health approach and the consequences on chronic non-communicable diseases of emerging and re-emerging zoonoses. The training activity will also be aimed at learning basic research methodologies, epidemiological and experimental clinical and preclinical, as well as regulations, legal provisions, code of ethics and advanced techniques of health and laboratory data analysis "high-throughput homicides" (e.g. genomics, transcriptomics, proteomics, metabolomics, and microbiomics) or from new wearable technologies (e.g. Wearable devices and biosensors for monitoring ECG, EEG, glucose levels etc.) useful to interpret and define new models of disease in the specialized branches of medicine, carried out by internal teachers, experts or external scholars and by the Ph.D. students themselves called to discuss the results obtained gradually during their training period. The University "Magna Græcia" of Catanzaro is the main teaching center of the Ph.D. course and the formative activity carried out by the Ph.D. student. However, as part of the individual training courses oriented to the exercise of research activity and the improvement of specific techniques (e.g. studies on transgenic and knock-out animal models, improvement of genetic and biochemical techniques for the purification and characterisation of proteins and metabolites, comparative studies of microbiome and parasite with ecological and biotechnological implications, immunophenotyping and study of mechanisms effectors of immune response and cytokine profiling, clinical and preclinical design and testing), as well as the development and enhancement of scientific collaborations with other research bodies, Fellowships will be organized at Foreign Universities (e.g. University of California San Francisco - San Francisco, CA, USA; Charité Universitätsmedizin - Berlino, Germania; Instituto Maimónides de Investigación Biomédica IMIBIC - Cordoba, Spagna; Queens Medical Research Institute, University of Edinburgh, UK; Duke University - Durham, NC, USA, University of Medicine and Pharmacy "Iuliu Hațieganu"- Cluj Napoca, Romania).</p>
Curricula provided	➤ ENDOCRINE AND METABOLIC SCIENCES AND MOLECULAR PROFILES ASSOCIATED TO INTESTINAL MICROBIOME



UNIVERSITÀ degli STUDI MAGNA GRÆCIA di CATANZARO

	➤ PATHOPHYSIOLOGY AND CLINIC OF CARDIOVASCULAR DISEASES AND SYSTEMS MEDICINE		
Coherence with PNRR	<p>This Ph.D. course is fully consistent with the objectives of the National Recovery and Resilience Plan (PNRR). Mission 4 of the PNRR devotes considerable resources to strengthening the conditions for the development of a knowledge-intensive and competitive economy by strengthening the provision of education services, including advanced university skills and research doctorates (Mission M4C1), and the expansion of the biomedical technology infrastructure (Mission M4C2).</p> <p>The Ph.D. course in "Clinical and Experimental Biomedical Sciences" participates in the training and mobility of new highly qualified researchers, able to contribute to the economic and social sustainability of the National Health System, through the identification of new models of prevention, diagnosis and treatment for chronic diseases, highly prevalent in the general population (e.g. obesity, type 2 diabetes mellitus, metabolic syndrome, hypertension, cardiovascular disease, inflammatory pathologies) often interlinked (multi-chronic), and whose current welfare path constitutes the largest chapter of health care expenditure. In addition, the Ph.D. course supports technological enhancement in research and technology transfer in human health, and contributes to the validation of innovative high-throughput methods (e.g. proteomics, microbiomics, transcriptomics, genomics) biosensors and wearable technologies in the clinical-specialist field. Finally, the Ph.D. course in "Clinical and Experimental Biomedical Sciences", with administrative headquarters in Catanzaro, contributes significantly to the relaunch of the Mezzogiorno, the primary objective of the PNRR, and has been configured to ensure a multidisciplinary character to the training of each Ph.D. student, such as to make it highly competitive at the National and International level, as well as in Southern Italy itself.</p>		
Course duration	3 years		
Coordinator	Prof. Antonio Brunetti		
Coordinator e-mail	brunetti@unicz.it		
Classes of Bachelor required for admission	LM-6 Biology LM-9 Medical, Veterinary and Pharmaceutical Biotechnology LM-13 Pharmacy and industrial pharmacy LM-21 Biomedical Engineering LM-41 Medicine and surgery LM-42 Veterinary medicine		
Places with a scholarship n. 6 (including n.1 reserved for graduates in foreign universities)	Curriculum Endocrine and metabolic sciences and molecular profiles associated to intestinal microbiome	n. 3 scholarships including:	<ul style="list-style-type: none"> • n.2 with University scholarship • n.1 with PNRR DM 351 funds
	Curriculum Pathophysiology and clinic of cardiovascular diseases and systems medicine	n. 3 scholarships including:	<ul style="list-style-type: none"> • n.2 with University scholarship • n.1 with PNRR DM 351 funds
Places without scholarship n. 2	Curriculum Endocrine and metabolic sciences and molecular profiles associated to intestinal microbiome		<ul style="list-style-type: none"> • n.1 with University scholarship



UNIVERSITÀ degli STUDI MAGNA GRÆCIA di CATANZARO

	Pathophysiology and clinic of cardiovascular diseases and systems medicine	• n.1 with University scholarship
Proposed research projects	At the following link you can view Annex A/6 containing the proposed research projects: https://drive.google.com/file/d/1B4ruuNEBSS-NCcTG4qpGk6O-BZrARkzr/view?usp=sharing	
CUP	F63C22000300002	
Publication of evaluation results	No later than 2 September 2022 on the University's website at https://web.unicz.it/it/category/bandi-ateneo	
Interview	5 September 2022, 2:00 p.m. , Room R, Body H, liv. 1, Campus Universitario, V.le Europa, Loc. Germaneto, Catanzaro, <u>any updates are viewable</u> at the link https://web.unicz.it/it/category/bandi-ateneo	
Foreign language	English	



UNIVERSITÀ degli STUDI MAGNA GRÆCIA di CATANZARO

LIFE SCIENCES

Training objectives	<p>The aim of the Ph.D. course in Life Sciences is to propose a path of Higher Doctoral Education in Life Sciences to a large group of graduates belonging to different master's degree classes ranging from Pharmacy and Industrial Pharmacy, Chemical Sciences, Biology and Industrial Biotechnology, Physics, various paths of Engineering, Medicine and Surgery, Dentistry and dental prostheses. The aim is to train Ph.D. students of all curricula to do research at a high scientific level, favoring interdisciplinarity, the opportunities that arise from interaction with companies through specific projects (PON, POR and PNRR) complete the application experiences of students and periods of international internships at qualified public or private bodies, mainly in the European Union. The course is also very suitable for foreign students, who find in the laboratories of the research groups of the members of the Faculty College excellent opportunities for integration and scientific cooperation. In addition, the Ph.D. in Life Sciences, thanks to the collaboration of the Magna Græcia University with local research bodies, such as the CRISEA center in Condoleo di Belcastro and the university spinoff Net4Science, born in 2018 by professors and former-students of this course, offers its Ph.D. students unique professional opportunities in the Calabrian territory also projected to technology transfer.</p>
Curricula provided	<ul style="list-style-type: none">➤ BASIC LIFE SCIENCES➤ APPLIED LIFE SCIENCES
Coherence with PNRR	<p>The Ph.D. Course in Life Sciences in cycle XXXVII has implemented additional PNRR scholarships pursuant to DM 1061/2021, both in the category "green" and "innovation". The Ph.D. in Life Sciences includes in its College of Lecturers several research groups that make use of methodologies strongly linked to innovation issues, enabling technologies and the broader theme of digital and issues oriented to ecosystem conservation, biodiversity, and the reduction of climate change impacts and the promotion of sustainable development. Taking into account scientific collaborations in Italy and abroad, they are consistent with the lines of the National Strategy of Smart Specialization, with particular reference to the thematic area "Health, nutrition, quality of life" involving the following development trajectories:</p> <ul style="list-style-type: none">•E-health, advanced diagnostics, medical devices and mini invasiveness;•Regenerative, predictive and personalized medicine;•Biotechnology, bioinformatics and pharmaceutical development;•Development of precision agriculture and agriculture of the future;•Systems and technologies for packaging, storage and traceability and safety of food production;•Nutraceuticals, Nutrigenomics and Functional Foods. <p>In relation to the provisions of the National Recovery and Resilience Plan, these methodologies are consistent with the following trajectories:</p> <ul style="list-style-type: none">•Health;• Food, natural resources, agriculture, environment.
Course duration	3 years
Coordinator	Prof. Stefano Alcaro
Coordinatore e-mail	alcaro@unicz.it
Classes of Bachelor	LM-6 Biology LM-8 Industrial Biotechnology LM-9 Medical, Veterinary and Pharmaceutical Biotechnology



UNIVERSITÀ degli STUDI MAGNA GRÆCIA di CATANZARO

required for admission	LM-13 Pharmacy and industrial pharmacy LM-17 Physics LM-21 Biomedical Engineering LM-22 Chemical Engineering LM-29 Electronic Engineering LM-41 Medicine and surgery LM-46 Dentistry and dentures LM-53 Materials Science and Engineering LM-54 Chemical Sciences LM-60 Sciences of Nature LM-69 Agricultural Sciences and Technologies LM-70 Food Science and Technology LM-71 Science and Technology of Industrial Chemistry LM-73 Forest and Environmental Science and Technology LM-75 Sciences and technologies for the environment and the territory LM/GASTR Economics and Social Sciences of Gastronomy		
Places with a scholarship n.8 (including n. 1 reserved for graduates in foreign universities)	Curriculum Basic life sciences	n. 4 scholarships including:	<ul style="list-style-type: none"> • n.3 with University scholarship <ul style="list-style-type: none"> • n.1 with PNRR DM 351 funds – Digital and environmental transitions
	Curriculum Applied life sciences	n. 4 scholarships including:	<ul style="list-style-type: none"> • n.2 with University scholarship • n.1 with PNRR DM 351 funds • n.1 with PNRR DM 352 funds
Places without scholarship n. 2	Curriculum Basic life sciences		<ul style="list-style-type: none"> • n.1 without scholarship
	Curriculum Applied life sciences		<ul style="list-style-type: none"> • n.1 without scholarship
Proposed research projects	At the following link you can view Annex A/7 containing the proposed research projects https://drive.google.com/file/d/112DRCxPHU6Y26e7TF_NgNo8pNodo5vXT/view?usp=sharing		
CUP DM 351 scholarship	CUP F63C22000310002		
CUP Scholarship in programs dedicated to digital and environmental transitions DM 351	CUP F63C22000430002		
CUP DM 352 scholarship	CUP F63C22000320009		



UNIVERSITÀ degli STUDI MAGNA GRÆCIA di CATANZARO

Publication of evaluation results	No later than 6 September 2022 on the University's website at https://web.unicz.it/it/category/bandi-ateneo
Interview	8 September 2022, 9.00 a.m. , Room T, Body H, Liv. 2, Campus Universitario, V.le Europa, Loc. Germaneto, Catanzaro, <u>any updates are viewable</u> at the link https://web.unicz.it/it/category/bandi-ateneo
Foreign language	English