



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. 2021/22

**PLEASE NOTE: THE OFFICIAL VERSION OF THIS CALL IS IN ITALIAN AND IS AVAILABLE ON THE MAGNA
GRÆCIA UNIVERSITY WEBSITE**

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

DEADLINE: 25 AUGUST 2021 – 12.00 A.M. (Italian time)

THE DEAN DECLARES

Art. 1 – Accreditation

The following three-year-long Ph. D. programmes have been planned by the Catanzaro *Magna Graecia* University for academic year 2021/22 (XXXVII cycle):

BIOMARKERS OF CHRONIC AND COMPLEX DEASESES

Curricula:

- Analysis of imaging data, neurophysiological biosignals and molecular profiling for the identification of biomarkers applied to Neurosciences
- New biomedical technologies for identifying dysmetabolic and nutritional disease markers
- Molecular and physiopathological aspects of chronic-degenerative and inflammatory diseases
- Chronic cardio-pulmonary diseases and biotechnological and engineering solutions for regenerative medicine
- Methods and techniques of computer engineering for processing, management and for efficient analysis data

MOLECULAR AND TRANSLATIONAL ONCOLOGY AND INNOVATIVE MEDICAL-SURGICAL TECHNOLOGIES

Curricula:

- Molecular oncology
- Biomedical engineering, systems and nanotechnologies applied to oncology
- Medical and translational oncology
- Innovative technologies and therapies in urological and gynecological surgery and fertility preservation

LIFE SCIENCES

Curricula:

- Pharmaceutical Sciences
- Toxicology and food sciences
- Biotechnological and veterinary sciences
- Medical Sciences and Public Health



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EUROPEAN LEGAL AND ECONOMIC SYSTEMS

Curricula:

- *Theory and history of law*: sociality and public sphere supranational
- Laws, protections, markets: negotiating autonomies and business disciplines
- Companies, institutions and markets in the European Union
- Migration, European health systems and protection of fundamental rights – MISED

PSYCHOLOGY

Art. 2 – Public Selection Announcement

We hereby announce the public selection, through competitive examinations, for admission to the 2021/22 Ph.D. programmes listed in the above art. 1 of the present Call for Applications.

For each of the Ph.D. programmes, **Annex A – Details of A.Y. 2021/22 Ph.D. Programmes, integral part of the present Call for applications**, outlines the scientific-disciplinary sectors and the academic fields, educational objectives, proposed *curricula*, duration, name of the Coordinator and his e-mail, degrees required for admission, number of positions and scholarships offered, project details, date of the qualifying examinations, dates of results publication for qualifications evaluation and foreign language requirement.

The number of positions, listed in Annex A, may be increased if additional scholarships financed by MUR within the framework PON - Research and Innovation or other European programmes are made available.

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 in Annex A 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>.**

Candidates must present a research project that must be inherent to the topics related to the educational objectives described for each course in Annex A of this announcement, with reference to the chosen curriculum. The project must be drafted according to the details indicated for each PhD course in the aforementioned Annex A; the research project can be presented in English or in Italian. The research project developed by the candidate does not oblige the Ph.D. Teaching Body on the subsequent assignment of the Doctoral thesis.

Art. 3 – Admission requirements

Anybody possessing a “**laurea magistrale**” belonging to one of the degree classes indicated in the respective programme profile, that is a degree obtained under regulations prior to Italian D.M. 509/1999, approved with D.I. 9 July 2009, **or any suitable foreign degree**, as well as those who will obtain at an Italian University the required qualifications for admission by no later than 31 October 2021 (failure to do so will result in exclusion from the selection process), may apply to take part in the selection process for admission to the Ph.D. programmes listed in **Annex A – Details of A.Y. 2021/22 Ph.D. programmes**, without age or citizenship limits.

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



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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 31 October 2021 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, and in any case and no later than 5 November 2021 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 mail)** at protocollo@cert.unicz.it. Failure to do so will result in their exclusion.

Art. 4 – Applications procedures

Candidates may apply for more than one Ph.D. programme but they may choose only one curriculum for each programme. Failure to do so will result in their exclusion.

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; failure to comply will result in exclusion.**

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 25 August 2021 at 12:00 noon (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 25 August 2021 (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.



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For online application is available a Short Guide for admission to PhD announcement a.y. 2021/22 on the website at the following address <https://web.unicz.it/it/category/bandi-ateneo>.

When completing the online application, it is necessary to declare the order of priority of the courses in which you intend to participate. This order must be identical in each of the submitted applications (for those who submit a single application form: the only choice made appears in the printing of the application).

N.B. The “QUESTIONARIO”, in the section “ELENCO QUESTIONARI” is compulsory, even if you want apply for only one PhD course. When you finish filling out online procedure and click on “CONFERMA” the “Questionario” cannot be modified.

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) the **research project** that must be inherent to the topics related to the educational objectives described for each course in Annex A of this announcement, with reference to the chosen curriculum. The project must be drafted according to the details indicated for each PhD course in the aforementioned Annex A;
- 3) **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>;
- 4) the **declaration of certification exams** containing the indication of the grade, the date, **the grading system** ;
- 5) eventually, the publications, relating to the topics of the Doctorate including the degree thesis;
- 6) **Post-graduate specialization course, research fellows, research grant** relating to the topics of the Doctorate
- 7) any qualifications relating to the topics of the Doctorate;
- 8) eventually, **“Request to participate for reserved positions for candidates with qualifications obtained abroad”**;
- 9) 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**;
- 10) eventually, **“Request to participate for reserved positions for employees Tice Cooperativa Sociale, Alta Val Tidone (PC), Italy;**
- 11) **a list of all documents provided.**

The fac simile indicated nr. 8, 9 and 10 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.



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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 to the address affarigenerali@cert.unicz.it within the deadline **25 August 2021, 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 37 _____ (indicate, in abbreviated form, the PhD course to which the integration / modification refers: e.g. Biomarcatori, Oncologia).

Requests will not be considered if transmitted after deadline.

Online applications will automatically close at 12:00 (Italian time) August 25th 2021.

The closing date is peremptory 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.

Candidates must pay € 50.00 for the selection process participation fees made by "Pago PA payment" by 25 August 2021. 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*;
- the degree possessed, stating the result, date and issuing University, or the academic qualification obtained from a foreign University, or for those in the process of finishing their Italian degree, a statement declaring the candidate's commitment to providing the declaration in lieu of degree certificate by the 31.10.2021;



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- that they undertake the Ph.D. on a full-time basis, without prejudice to art. 12, c.1, of D.M. 45/2013;
- that they commit to informing the University in a timely manner of any changes to their home or contact address;
- 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, 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, should it not be so the candidate will be excluded;**

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;
- that they are aware of and consent to treatment of the personal data provided in the application exclusively for purposes of the selection process and future relations with the University, in accordance with European and Italian law.

In accordance with law 5/2/1992 n.104, disabled candidates or applicants with learning disabilities must explicitly state their special requirements and whether, given their handicap, they will require extra time to complete the selection exams.

Any alternative form of application is excluded.

Failure to online application by 25 August 2021 at 12:00 a.m. (Italian time) or failure payment € 50.00 for the selection process participation fees by 25 August 2021 will result in the exclusion of the candidate from the selection process.

Application forms will be automatically excluded which:

- a. Do not completed online by 25 August 2021, 12:00 a.m. (Italian time);
- b. If submitted in any different form and way;
- c. are missing the payment of €50.00 for the selection process participation fees made by 25 August 2021;
- d. do not contain electronic copy of passport;
- e. in case of application to more than one Ph.D. Programme, applications containing a different order of priority in each application will be automatically excluded.

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:



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- 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.

For reasons linked to organisation 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 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 same ordinance appoints also substitute components taken from the teaching body.

Only for PhD course in Psychology: 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 of the coordinator himself, President of the Committee, and two components taken from the teaching body.

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



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Admission to the Ph.D. programme will be granted on the basis of a selection process testing the candidate's knowledge and aptitude for scientific research.

For all candidates the selection process consists of evaluation of the qualifications, evaluation of a research project prepared by the candidate and in an interview that will focus on the discussion of the proposed research project and the scientific experiences.

50 points are reserved for the evaluation of the qualifications and of the project:

The project can be awarded a maximum score of 25 points.

Titles can be assigned a maximum score of 25 points:

max 10 for the Curriculum Vitae (CV) with attached Master's Degree certificate (or equivalent) with analytical indication of the exams taken and relative grades; for undergraduates it is sufficient to certify the exams taken and the relative marks;

max 10 points for publications related to the themes of the Doctorate, including the thesis;

max 5 points for postgraduate courses, research scholarships related to the PhD themes.

Typescripts and forthcoming papers which have not already been accepted for publication will not be considered.

For admission to the interview, the candidate is considered suitable with a score of no less than 30/50 (sum of the points relating to the evaluation of the qualifications and of the research project).

50 points are reserved to the interview. The minimum score for passing the interview is 30/50.

During the interview will be tested knowledge of English. The candidate can decide whether to take the interview in English or in Italian.

Exam dates for each of the programmes are listed in Annex A; this will be the only notification. In accordance with art. 4, **successful applicants will be expected to attend the examinations via videoconference, dates and times indicated below.**

Changes to the calendar will be communicated only on the University website at the following address <https://web.unicz.it/it/category/bandi-ateneo> .

Results of the qualifications evaluation and of research project will be published by the Judging Committee, by the date indicated for each programme in Annex A only **on the University website <https://web.unicz.it/it/category/bandi-ateneo> .**

Published evaluation of the qualifications and the research project scores will constitute, for those with a score of no less than 30/50, notice of convocation to interview, with no further notification from the University.

Candidates admitted following the formal verification of applications pursuant to Article 4 above and who have achieved **a score of no less than 30/50**, following the evaluation of qualifications and the project, **are required to login Meet Gmail on the day and at the time indicated in Annex A for the interview.** Hours may be subject to increasing variations.

The link to access the virtual classroom will be published <https://web.unicz.it/it/category/bandi-ateneo>.

For the interview candidates must have a passport.

The interviews will be carried out via Meet Gmail platform on the date established for each course in Annex A unless the Committee notifies candidates a new date. *The Committee, on the established day and time, will communicate via e-mail to candidates the link to connect. Clicking on the link, the name of the candidate will appear on the screen of the Committee that will be able to see and hear it. The Committee will ask to identify the student by asking him to bring the valid identity document to the camera. The Committee can mute the microphone of all candidates; in this way the other candidates can listen (both the*



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Committee and the candidate questioned), effectively making the exam public. At the end of the interview the Committee will silence the microphone of the interviewed candidate and will ask the next candidate to reactivate his / her microphone (the microphone cannot be reactivated directly by the Committee).

The candidate must be available on the account indicated in the application form on the day scheduled for the interview, according to the calendar in Annex A. The Committee can agree with the candidate a specific time for the beginning of the interview. In any case, the publicity of the interviews must be guaranteed.

The Committee has the right to 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 Committee).

Candidates who have not indicated a valid e-mail address for the electronic connection, who are unavailable on the day or at the established time, who do not exhibit passport or if the connection does not work, are excluded from the competition.

The University of Magna Græcia of Catanzaro is not responsible in the event that technical problems prevent the regular interview. Please note that the University of Magna Græcia of Catanzaro does not provide technical assistance to candidates in any way and that it is the responsibility of the participants to verify both the functionality of their connection and whether the device used is suitable and functional for the connection.

Therefore, candidates are responsible for checking for any updates on the University website at <https://web.unicz.it/it/category/bandi-ateneo> even in the vicinity of the scheduled dates.

Changes to results publication dates for qualification and interview will be communicated only through the University website at <https://web.unicz.it/it/category/bandi-ateneo>.

The committee will produce a written report with the minutes for each of the meetings. At the end of each interviewing session the Committee lists the interviewed candidates and establishes their scores. The list, undersigned by the Committee President and Secretary, is posted on the same day as the interviews. At completion of all examinations, the Committee produces a general list, in descending order, summing the scores obtained by candidates in the single examinations and the score obtained from the qualifications and research project evaluation.

The general list of merit will be published on the website of the University at <https://web.unicz.it/it/category/bandi-ateneo>.

The President of the Judging Committee promptly forwards the reports to the Dean who within 15 days approves by ordinance the proceedings of the selection process or rejects them where further regularisation is deemed appropriate.

From the day following the date of publication of the said official approval of the selection proceedings, on the website <https://web.unicz.it/it/category/bandi-ateneo> , shall take effect, on pain of forfeiture, the terms of submission of the application registration referred to in art. 8 of this notice.

Art. 7 – Admission to the programmes

Candidates are admitted to the programmes and granted scholarship following the order of the list of merit until the number of places offered for each programme is filled. For position with grant, in accordance with art. 4 of law 210/1998, in a case of equal positioning in the general merit ranking, an evaluation of the financial situation in accordance with d.P.C.M. 09/04/2001 will prevail. In case of equality in financial assessment, the younger candidate will prevail, in accordance with art. 3, c.7 of law 127/1997, as integrated by art. 2 law 191/1998.



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The candidates in the *ex aequo* position are required to submit the ISEE (“ISEE parificato” for candidate residing abroad) request online or at the authorized counters within 3 days of the request for the ISEE form made by the university administration.

For position without grant, the younger candidate will prevail, in accordance with art. 3, c.7 of law 127/1997, as integrated by art. 2 law 191/1998.

Admission to the PhD courses with the relative scholarship will be carried out with a rectoral decree, on the basis of the general merit ranking.

If 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.

In case of useful placement for more than one Ph. D. Programme, the order of priority expressed in the application form will act as a binding criterion for admission.

The activation of *curricula* depends on the success of candidates having chosen a certain *curriculum*. This means that only the *curricula* chosen by winning candidates will be activated.

Should the successful candidate, civil servant or public institution employee admitted to the programme renounce their scholarship, in accordance with art. 2 Law 476/1984 and subsequent amendments, included the later art. 10, the next suitable candidate in the list of merit will be admitted to the programme with scholarship.

The start date for the programmes is the **November 2nd 2021**.

Art. 8 – Required action for successful candidates

Successful candidates must fill online, in accordance with informations available on the website <https://web.unicz.it/it/category/bandi-ateneo>, an enrolment form to first year; for this purpose **successful candidates must login** on the website <https://unicz.esse3.cineca.it/Home.do>, choose LOGIN, and then “Segreteria- Immatricolazione /Scelta tipologia corso di studio”. Connect with the same username and password used for the initial registration. If you have lost the username and password, you can send an you can send a ticket: <http://www.asi.unicz.it/helpdesk/>.

N.B. Only registration online does not perfect the enrolment to first year.

Enrolment form to first year **must be sent in paper format** (a print-out of the online application) with a **payment receipt made by Pago PA payment**.

The following documents must be attached to the Enrolment form:

- Application form printed from online procedure (see above art. 4), duly signed;
- a payment receipt of € 526,00 made by PagoPA for payment “Tassa iscrizione e frequenza corso di dottorato di ricerca (including I rata - I anno € 360,00, tax for the right to study PhD programme € 150,00 + stamp duty paid virtual system € 16,00”;
- copy of passport;
- copy of the taxpayer code (CODICE FISCALE).

Successful candidates must send by registered post with notification of receipt, the enrolment form to the following address: Magnifico Rettore – Università degli Studi Magna Græcia di Catanzaro – Ufficio Protocollo, Edificio Direzionale, Campus Universitario, Viale Europa, Loc. Germaneto - 88100 Catanzaro.

Failure to do so will result in their exclusion.



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Request of enrolment (with documents attached) must arrive within and no later than 7 (seven) days after the issuing of D.R. approving selection documents and reports on the University website <https://web.unicz.it/it/category/bandi-ateneo> in one of the following ways:

a- sent by e-mail (only for foreign candidates residing abroad) affarigenerali@cert.unicz.it;

b- sent via registered post with notification of receipt by and no later than the above stated date.

In accordance with art. 2 of the D.P.R. n. 1077/70, the post office stamp and date will certify the date of conveyance. In any case, applications which for ever reason are not delivered within 7 (seven) days from the deadline above shall not be considered even where they have been sent in good time.

No complaints are accepted for late applications. No applications sent with priority mail will be accepted.

Should the application not arrive at the destination in good time, for whatever reason, the sole responsibility for the delay lies with the sender.

Should the deadline fall on a bank holiday, it will be extended to the first next working day.

In the enrolment form candidates will have to provide/declare the following, in accordance with articles 46 and 47 of P.D.R. 445/2000 and its subsequent modifications:

- name/surname, date and place of birth, home and contact address for Ph.D. related correspondence;
- nationality and CODICE FISCALE;
- secondary school diploma or for non-Italians, the highest school diploma obtained (original document);
- a degree certificate;
- that they are not currently enrolled in any other university course (I or II cycle degrees, non-medical specialisation school, other Ph.D. programme) or their commitment to giving this up before the start of the courses; or that they are enrolled in the last year of a medical specialisation school at the University of Catanzaro, thereby recognising the University as administrative centre of the school;
- their commitment to exclusive and full time attendance of the Ph.D. course with no prejudice to the provisions of art. 12, ch.1 of D.M. 45/2013;
- that they have not previously benefited from a Ph.D. scholarship;
- that they are not in a situation of accumulation of research grants or scholarships, except for those granted by national or foreign institutions aimed at integrating, with trips or stays abroad, the educational and research activity of the scholarship holders and that they commit to respecting this condition for the duration of their Ph.D.;
- whether they are civil servants or employees of a public law institution, and in this case that they have requested and obtained paid or unpaid time off or special leave for reasons of further study, in accordance with art. 2 law 476/1984 and subsequent amendments, and if they receive payment that they renounce their scholarship;
- that they undertake to inform the University Administration in good time of any changes in any of the above stated conditions;
- that they accept the norms of treatment of personal data.



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Candidates for assignment of the scholarship are also required to attach to the enrollment application the presumptive declaration relating to the total gross personal income. The fac simile is available on the website <https://web.unicz.it/it/category/dottorati-di-ricerca>.

The above conditions are subject to Administration checks in collaboration with the tax and revenue authorities.

Anyone who will not have thus officialised their enrolment will be considered to have renounced their post and the vacant positions will be assigned to the remaining candidates based on the merit list, within two months of the start of the programmes. Candidates selected from the waiting list will be notified via registered post with notification of receipt, or via e-mail, with the same procedures as for successful candidates, to the contact address provided in the selection process; candidates will have to proceed to taking the above stated steps for enrolment for successful candidates.

In selecting candidates from the waiting list based on merit after the beginning of the programmes, candidates resulting already enrolled in other Ph.D. programmes will not be considered.

The number of people admitted to the programmes in the two months after their start will correspond exactly to the number of people who renounce their positions.

The University administration will not be responsible for any communication problem dependant on inaccurate or inexact candidate contact details, nor lack or delay in communicating a change, nor for any glitch or problem with the post or communication system which are not imputable to the Administration itself.

Art. 9 – Scholarships

Scholarships are assigned by ordinance of the Dean following the order established by the list of merit and the procedures set out in art. 7 above.

The yearly amount of the scholarship, before taxes, is of € 15.343,28; this is paid in monthly deferred instalments. The amount may be increased by 50% for a period of no longer than 18 months should the Ph.D. candidate be authorised by the Teaching Body 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.

The determination of this income is made up of income of patrimonial origin, as well as emoluments of any other nature, having a recurring and occasional nature, personal income deriving from work services with the exclusion of the amount of the scholarship or any benefits to support income paid on the basis of the scholarship (maternity allowance).

The PhD student is required to return, even in the event of renunciation of the Course, the installements of the scholarship already received in cases where the aforementioned income limit is exceeded.

The scholarship has a yearly duration and is renewed upon completion by the Ph.D. candidate of the planned activities for the previous year. At the end of each year, candidates present a written report on their research to the Teaching Body. This is accompanied by an explicative report of the supervising professor and discussed by the candidate before the Ph.D. Teaching Body.

Scholarships cannot be cumulated with research grants or other scholarships, except for those granted by national or foreign bodies aimed at integrating the research activities of the Ph.D. candidate with trips or stays abroad.

The scholarship is subject to the payment of INPS social contributions in accordance with art. 2, c. 26, of law 8 August 1995, n. 335, and subsequent amendments, in the measure of two thirds by the administration and one part by the scholarship holder. The Ph.D. candidates benefit from all relative security and rights.



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Anyone who has already benefited from a Ph.D. scholarship even for a year or a fraction of a year will not be able to benefit from one again.

Starting from the second year, to each Ph.D. candidate, excluding the supernumerary student, is assigned a budget, annually established by the Board of Directors within the existing financial resources of the University, for research activity in Italy and abroad.

As regards tax, art. 4 Law 13 August 1984 n. 476 apply to the scholarships for Ph.D. programme attendance.

Art. 10 – Ph.D. students Rights and Duties

Admission to the Ph.D. programme involves exclusive and full time commitment, without prejudice to the possibility of a specific discipline as established by art. 7 and 12, comma 4, of D.M. 45/2013.

The Ph.D. students, as integral part of the educational project and provided that they have the *nulla osta* of the Teaching Body without this involving an increase in scholarship, may carry out tutoring activities for undergraduate students, as well as supplementary didactic activities, in any case not exceeding a maximum of forty hours per academic year. After the third year of Ph.D. the limit is revoked. Medical field Ph.D. students may participate in clinical activities.

Civil servants admitted to the Ph.D. programme benefit for the duration of the programme of the time off work as provided for by collective bargaining or, for employees in the public sector, of special leave for reasons of study, as compatible with the needs of the administration they belong to, in accordance with art. 2 of Law 13 August 1984 n. 476 and subsequent amendments, with or without pay and except in case of explicit renunciation, only if they are enrolled in a Ph.D. programme for the first time, and notwithstanding the disciplinary ambit.

The provisions of legislative decree 29 March 2012 n.68 are extended to Ph.D. students, within the modalities herein established.

Female Ph.D. students benefit from the maternity provisions of the Ministero del Lavoro e Previdenza Sociale decree 12 July 2007, published in the Gazzetta Ufficiale della Repubblica Italiana n. 247 on 23 October 2007.

Ph.D. students may carry out training or study periods at Italian or foreign universities and research centres. All Ph.D. students are required carry out a period of no less than over the three-year period, a research period abroad of no less than 3 months (90 days) and not exceeding 18 months.

Failure to benefit from the scholarship, which also occurred during the year, does not imply exemption from the payment of tuition and attendance fees for the entire year.

The enjoyment of the scholarship for attending the doctorate is compatible with other income, also received continuously in the calendar year in which the scholarship is received, as long as they do not exceed the maximum limit established. If the income limit is exceeded, the scholarship is considered revoked for the entire year. The PhD student is required to declare the income received annually and to report any exceeding of the prescribed limit.

The Ph.D Committee can authorize the PhD student to pursue paid employment activities.

For all that which is not explicitly set out in the present call for applications refer to art. 12 of the Regulations concerning PhD programmes of the University of Catanzaro.

The tuition fees and attendance at the PhD courses are determined for a.y. 2021/22, 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:



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| 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 31.12.2021 | 382,22 by 30.04.2022 | € 16,00 at the time of enrolment | To be paid in the amount established by the DGR n. 286 of 13.07.2018 |
| PhD student without grant | | exoneration | | | | € 16,00 | To be paid in the amount established by the DGR n. 286 of 13.07.2018 |

PhD students who are winners of doctoral grant who renounce the use of the scholarship are required to pay the annual university fee for the entire academic year, the regional tax for the right to study and stamp duties. Tuition and attendance fees for PhD courses for subsequent academic years are determined according to the aforementioned statement, unless otherwise determined at the time of approval of the University student contribution regulations.

Successful candidates enrolled in a non-medical specialisation school, first or second level degree programme or Masters, are required to suspend attendance of such courses from the start of the programme and for the entirety of its duration. Combined attendance of the Ph.D. programme and a medical specialisation school is permitted, with consequent reduction to a minimum of two years for the Ph.D. programme itself and in accordance with art. 19, L 240/2010 and D.M. 45/2013.

Loss of Ph.D. status, by means of an ordinance issued by the Dean following a motivated decision by the Ph.D. Teaching Body may occur in case of:

- negative end of year evaluation on the part of the Teaching Body;
- unjustified and prolonged absences;
- behavior in contrast with the incompatibility rules

In case of over thirty days of unmotivated absence or of exclusion from the programme, the scholarship will not be disbursed.

Loss of Ph.D. status in case of non-compliance with “Codice di comportamento dei dipendenti pubblici, a norma dell’art. 54 del D Lgs 165/2011 and with “Codice di comportamento dell’Università Magna Græcia, DR n. 370/2016”. The above-mentioned “Codici” are available on the Magna Graecia University website <http://web.unicz.it/it/page/codice-disciplinare-e-codice-di-condotta> .

Art. 11 – Attainment of the title

The title of Ph.D., abbreviated in Italian with “Dott. Ric.” (dottore di ricerca), is granted by the Dean following the public discussion of a theses which contributes to advancement of the knowledge and methodologies in the chosen field of research.

At the end of the discussion, the thesis is approved or rejected, with a motivated judgement in writing of the judging committee. The committee may unanimously attribute honours (*laude*) to works that make a significant scientific contribution to their field.



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Art. 12 – Treatment of personal data

In accordance with **General Data Protection Regulation** (GDPR) (EU) 2016/679 and D. lgs. n. 196/2003 the University will respect the privacy of the information provided by candidates. All personal data will be used solely for the purposes of the selection process and subsequent relations between the successful candidates and the University.

Art. 13 – Ph.D. application procedure Manager

In accordance to the provisions of art. 5 law 7 August 1990 n. 241, the person in charge for the procedures established in the present call for applications, with exclusion of the phases selective, is Dott.ssa Eleonora Consoli, Area Affari Generali- Università Magna Græcia di Catanzaro- Campus Universitario- Viale Europa, Loc. Germaneto, Catanzaro- tel. + 39 0961/3696083, e-mail consoli@unicz.it, PEC affarigenerali@cert.unicz.it ; overseeing the procedure is Sig.ra Viviana Borelli - tel. + 39 0961/3696075, fax +39 0961 3696150, e-mail affarigenerali1@unicz.it .

Art. 14 – Norms of reference

For all that which is not explicitly set out in the present call for applications, legislative dispositions and norms on Ph.D. studentships apply.

Art. 15 – Publicity

The present call for applications, both in Italian and English, will be published on the website of the *Magna Græcia* University of Catanzaro at the address <https://web.unicz.it/it/category/bandi-ateneo>, <http://web.unicz.it/it/category/dottorati-di-ricerca> on the European website Euraxess and on the website of the MIUR.

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



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ANNEX A – DETAILS OF A.Y. 2021/22 PH.D. PROGRAMMES

CHRONIC AND COMPLEX DISEASES BIOMARKERS

Disciplinary/Scientific Sectors

ACADEMIC FIELDS

MED/09– INTERNAL MEDICINE

MED/26-NEUROLOGY

MED/11-CARDIOVASCULAR SYSTEM DISEASES

MED/13-ENDOCRINOLOGY

ING-INF/05-DATA ELABORATION SYSTEMS

MED/23-CARDIAC SURGERY

ING-IND/34 - INDUSTRIAL BIOENGINEERING

MED/05 - CLINICAL PATHOLOGY

MED / 10 - DISEASES OF THE RESPIRATORY SYSTEM

MED / 12 – GASTROENTEROLOGY

MED / 18 - GENERAL SURGERY

MED / 22 - VASCULAR SURGERY

MED / 27 - NEUROSURGERY

MED / 30 - VISUAL SYSTEM DISEASES

MED/33 - LOCOMOTOR SYSTEM DISEASES

MED / 36 - DIAGNOSTICS FOR IMAGES AND RADIOTHERAPY

MED / 37 - NEURORADIOLOGY

MED / 39 - CHILD NEUROPSYCHIATRY

MED / 41 –ANESTHESIOLOGY

MED / 43 - FORENSICS

MED / 46 - HEALTHCARE PROFESSIONS AND APPLIED MEDICAL TECHNOLOGIES SCIENCES

MED / 48 - NURSING AND TECHNICAL NEURO-PSYCHIATRIC AND REHABILITATION SCIENCES

MED/49-APPLIED DIETETICAL TECHNOLOGIES

MED / 50 - APPLIED MEDICAL TECHNOLOGIES

BIO / 11-MOLECULAR BIOLOGY

VET/07 – PHARMACOLOGY AND VETERINARY TOXICOLOGY

Curricula

- Analysis of imaging data, neurophysiological biosignals and molecular profiling for the identification of biomarkers applied to Neurosciences
- New biomedical technologies for identifying dysmetabolic and nutritional disease markers
- Molecular and physiopathological aspects of chronic-degenerative and inflammatory diseases
- Chronic cardio-pulmonary diseases and biotechnological and engineering solutions for regenerative medicine
- Methods and techniques of computer engineering for processing, management and for efficient analysis data



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EDUCATIONAL OBJECTIVES

Chronic and complex diseases are pathologies with a multi-factorial etiological origin and constitute the most common human pathologies in the world (Global Status Report on NCD, WHO 2010, www.who.org), representing on their own about 80% of the load of disease of European national health systems. are some of the priorities of the World Health Organization (2008-2013 Action Plan for the Global Strategy for the Prevention and Control of Non-infectious Diseases). Chronic and complex diseases as a priority target for the global health economy, the WHO has indeed stated that: a) "their treatment does not exist or existing therapies are insufficiently effective" and b) "these are diseases where basic and clinical research together they are necessary to establish new biomarkers ". Therefore the PhD course will be aimed at training research doctoral figures who (a) have a complete understanding of the cellular and molecular mechanisms of chronic and complex diseases, in order to identify new biomarkers and which (b) are able to use the most modern technologies and investigation tools for solving complex scientific problems in this area. The skills acquired will be multidisciplinary in order to train highly qualified personnel for research in the university and private sectors.

Curriculum Analysis of imaging data, neurophysiological biosignals and molecular profiling for the identification of biomarkers applied to Neurosciences, main objectives: Identification of new imaging biomarkers for the diagnosis of neurological diseases.

Curriculum New biomedical technologies for identifying dysmetabolic and nutritional disease markers, main objectives: Identification and validation of markers for response to interventions on hepatic steatosis or complicated obesity; New biomedical technologies for the identification of diagnostic markers of insulin resistance and metabolic syndrome.

Curriculum Molecular and physiopathological aspects of chronic-degenerative and inflammatory diseases, main objectives: Mechanisms of damage and regeneration of pancreatic beta-cells; Genetic predisposition and low-grade chronic inflammation in chronic-degenerative diseases

Curriculum Chronic cardio-pulmonary diseases and biotechnological and engineering solutions for regenerative medicine, main objectives: Identification of new biomarkers for chronic cardiovascular and pulmonary diseases; Molecular mechanisms of coronary stenosis / restenosis; Biotechnological approaches for cardiac regeneration.

Curriculum Methods and techniques of computer engineering for processing, management and for efficient analysis data, main objectives: Big Data in bioinformatics and medical informatics; Data mining / deep learning analysis of omics and clinical data; Analysis and alignment of biological networks.

Programme Duration: 3 years

Coordinator: Prof. Daniele Torella

e-mail: dtorella@unicz.it

Degree classes required for admission:

LM-6 Biology

LM-8 Industrial Biotechnologies

LM-9 Medical, veterinary and pharmaceutical biotechnologies

LM-13 Pharmaceuticals and industrial pharmaceuticals

LM-17 Physics



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LM-18 Informatics
LM-21 Biomedical engineering
LM-25 Automation engineering
LM-26 Security engineering
LM-27 Telecommunications engineering
LM-29 Electronics
LM-31 Engineering Management
LM-32 Computer Science
LM-33 Mechanics
LM-40 Mathematics
LM-41 Medicine
LM-44 Mathematical/physical modelling for engineering
LM-51 Psychology
LM-54 Chemical Sciences
LM- 61 Human Nutrition Sciences
LM-82 Statistical sciences
LM-91 Techniques and methods for the information society
LM/SNT1 Nursing and Midwifery Sciences
LM/SNT2 Rehabilitation and health professions sciences
LM/SNT3 Health sector technologies professions sciences
LM/SNT4 Prevention and health professions sciences

Positions with scholarship n. 9: **n. 7 ordinary positions**
n.2 reserved positions for candidates who have graduated from
foreign universities

Positions without grant n. 2

Details research project: The research project, which can be presented in English or in Italian, must be written in a maximum of 4 folders (30 lines of 90 characters each) including any diagrams or graphs, and must be inherent to the issues concerning the objectives course training courses, described above, with reference to the chosen curriculum

Qualifications and research project evaluation results publication date:

By 24 September 2021 on website <https://web.unicz.it/it/category/bandi-ateneo>

Interviews:

29 September 2021, 10:00 a.m. (Italian time)

See art.6 for interview in videoconference on MeetGmail

The link to access the virtual classroom will be published <https://web.unicz.it/it/category/bandi-ateneo>

Foreign Language: English



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MOLECULAR AND TRANSLATIONAL ONCOLOGY AND INNOVATIVE MEDICAL SURGICAL TECHNIQUES

Disciplinary/Scientific Sectors

ACADEMIC FIELDS

BIO / 16-HUMAN ANATOMY

BIO / 12 - CLINICAL BIOCHEMISTRY AND CLINICAL MOLECULAR BIOLOGY

MED / 50 - APPLIED MEDICAL TECHNOLOGIES

MED / 18 - GENERAL SURGERY

FIS / 07- APPLIED PHYSICS (ENVIRONMENT AND HERITAGE, BIOLOGY AND MEDICINE) CHIM / 01-

ANALYTICAL CHEMISTRY

CHIM/01 - CHEMISTRY

BIO / 10-BIOCHEMISTRY

BIO / 11-MOLECULAR BIOLOGY

BIO / 13-APPLIED BIOLOGY

MED / 03-MEDICAL GENETICS

MED / 04-GENERAL PATHOLOGY

MED / 06-MEDICAL ONCOLOGY

MED / 19-PLASTIC SURGERY

MED / 24-UROLOGY

MED / 36-DIAGNOSTICS FOR IMAGES AND RADIOTHERAPY

MED / 40-GYNECOLOGY AND OBSTETRICS

MED / 45-GENERAL, CLINICAL AND PEDIATRIC NURSING SCIENCES

ING-INF / 04-AUTOMATICS

ING-INF / 06- BIOENGINEERING, ELECTRONICS AND INFORMATION TECHNOLOGY

FIS / 01-EXPERIMENTAL PHYSICS

Curricula

- **Molecular Oncology**
- **Biomedical Engineering, Systems and Nanotechnologies applied to Oncology**
- **Medical and translational oncology**
- **Innovative technologies and therapies in urological, gynaecological surgery and in fertility preservation**

EDUCATIONAL OBJECTIVES

The aim of the Ph.D. is to train professionals with interdisciplinary skills in oncological research, autonomy in planning, execution and interpretation of experiments, formulation of research projects and writing of scientific articles. The programme is divided into four curricula:

Molecular Oncology – Study of the molecular alterations involved in the onset, progression and dispersal of family and sporadic tumours, through experimental models in vitro, ex-vivo and in vivo. Use of “high-throughput” approaches for the definition of tumour genomic and epigenomic panorama, proteomics and metabolics.



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Biomedical, Systems and applied nanotechnologies Engineering – Methods and technologies for the modelling, simulation, and control of biological systems, the elaboration of images aimed at the planning of therapeutic interventions, the planning of nanotechnologies based innovative biomedical devices.

Medical translational oncology – Innovative approaches for the development of high-selectivity diagnostic, therapeutic and/or pre-emptive strategies in medical oncology.

Innovative technologies and therapies in urological, gynaecological surgery and in fertility preservation – clinical research methodology applies to oncological pathologies relating to urology and gynaecology (primary prevention, precocious diagnosing and treatment) and to innovative fertility preservation therapies.

Programme Duration: 3 years

Coordinator: Prof. Giovanni Cuda

e-mail cuda@unicz.it

Degree classes required for admission:

LM-6 Biology
LM-9 Medical, veterinary and pharmaceutical biotechnologies
LM-13 Pharmaceuticals and industrial pharmaceuticals
LM-17 Physics
LM-18 Informatics
LM-21 Biomedical engineering
LM-22 Chemical engineering
LM-25 Automation engineering
LM-26 Security engineering
LM-27 Telecommunications engineering
LM-29 Electronics
LM-31 Engineering Management
LM-32 Informatics Engineering
LM-33 Mechanics
LM-35 Environment and territory engineering
LM-40 Mathematics
LM-41 Medicine
LM-44 Mathematical/physical modelling for engineering
LM-53 Material science and engineering
LM-54 Chemical sciences
LM-82 Statistical sciences

Positions with scholarship n. 9:

n. 7 ordinary positions

n.2 reserved positions for candidates who have graduated from foreign universities

Positions without grant n. 2



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Details research project: The research project, which can be presented in English or in Italian, must be written in a maximum of 4 folders (30 lines of 90 characters each) including any diagrams or graphs, and must be inherent to the issues concerning the objectives course training courses, described above, with reference to the chosen curriculum

Qualifications and research project evaluation results publication date:

By 24 September 2021 on website <https://web.unicz.it/it/category/bandi-ateneo>

Interviews:

28 September 2021, 10:00 a.m. (Italian time)

See art.6 for interview in videoconference on MeetGmail

The link to access the virtual classroom will be published <https://web.unicz.it/it/category/bandi-ateneo>

Foreign Language: English

LIFE SCIENCES

Disciplinary/Scientific Sectors

ACADEMIC FIELDS

AGR / 18 - NUTRITION AND ANIMAL FEEDING

CHIM / 06 - ORGANIC CHEMISTRY

CHIM / 08 - PHARMACEUTICAL CHEMISTRY

CHIM / 09 - PHARMACEUTICAL APPLIED TECHNOLOGIES

BIO / 10 – BIOCHEMISTRY

BIO / 11 -MOLECULAR BIOLOGY

BIO / 14 - PHARMACOLOGY

BIO / 15 - PHARMACEUTICAL BIOLOGY

MED / 04 - GENERAL PATHOLOGY

MED / 07 - MICROBIOLOGY AND CLINICAL MICROBIOLOGY

MED / 17 - CONTAGIOUS DISEASES

MED / 35 - SKIN AND VENEREAL DISEASES

MED / 38 - GENERAL AND SPECIALIST PEDIATRICS

MED / 42 - GENERAL AND APPLIED HYGIENE

MED / 43 - FORENSICS

MED / 49 - APPLIED DIETETICS AND TECHNOLOGIES SCIENCES

MED / 50 - APPLIED MEDICAL TECHNICAL SCIENCES

VET / 06 - PARASITOLOGY AND ANIMAL PARASITIC DISEASES

ING-INF / 01 – ELECTRONICS

CHIM / 03 - INORGANIC GENERAL CHEMISTRY

MED / 12 – GASTROENTEROLOGY

MED / 14 – NEFROLOGY

MED / 25 - PSYCHIATRY



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BIO / 13 - APPLIED BIOLOGY

MED / 13 – ENDOCRINOLOGY

MED / 28 - ODONTOSTOMATOLOGICAL DISEASES

MED / 18 - GENERAL SURGERY

VET / 05 - INFECTIOUS DISEASES OF PETS

CHIM/10 – FOOD CHEMISTRY

M-EDF/01 - METHODS AND DIDACTICS OF MOTOR ACTIVITIES

Curricula

- **Pharmaceutics**
- **Food sciences and toxicology**
- **Biotechnological and veterinary sciences,**
- **Medical Sciences and Public Health**

EDUCATIONAL OBJECTIVES

The aim of the programme is the training of experts in Life Sciences research following one of the four curricular areas:

Pharmaceutical sciences, which includes themes relating to the development of the drug in a general sense: from drug discovery, in silico, to the preparation and extraction of active principles, privileging the green chemistry approaches, their conveying, through advanced drug delivery systems, and in vitro and in vivo bio-pharmaceutical characterisation.

Food toxicology, regarding themes linked to food security for both men and animals, included the valorisation of the agricultural and food heritage.

Biotechnological and Veterinary Sciences, which studies the characterisation of molecular mechanisms causing physio-pathological phenomena through advanced biotechnological and veterinary approaches of genomics and proteomics

Medical Sciences and public health which includes interdisciplinary medical research topics concerning human and animal pathologies with applicative implications in Public Health

The transversal theme of the polypharmacological approach implemented in the COST Action CA15135 allows the PhD students, framed in one of the four curricula, to deal with complex problems characterized by a strong multidisciplinary also in an international key.

Programme Duration: 3 years

Coordinator: Prof. Stefano Alcaro

e-mail alcaro@unicz.it

Degrees required for admission:

LM-6 Biology

LM-8 Industrial biotechnologies

LM-9 Medical, veterinary and pharmaceutical biotechnologies

LM-13 Pharmaceutics and industrial pharmaceutics

LM-17 Physics

LM-21 Biomedical engineering



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IUS / 13 - INTERNATIONAL POLICY
SPS / 07 - GENERAL SOCIOLOGY
IUS / 17 - CRIMINAL LAW
SPS / 09 - SOCIOLOGY OF ECONOMIC PROCESSES AND WORK
IUS / 09 - PUBLIC LAW INSTITUTION
IUS / 15 - CIVIL PROCEDURE LAW
IUS / 01 - PRIVATE LAW
IUS / 07 - LABOUR LAW
IUS / 08 — CONSTITUTIONAL LAW
IUS / 10 - ADMINISTRATIVE LAW
IUS / 10 – CANON LAW AND ECCLESIASTICAL LAW
IUS/16 - CRIMINAL PROCEDURE
IUS/18 - ROMAN LAW AND ANCIENT LAWS
IUS / 19 - HISTORY OF MEDIEVAL AND MODERN LAW
IUS / 20 - PHILOSOPHY OF LAW
SPS/12 - SOCIOLOGY OF LAW, DEVIANCE AND SOCIAL CHANGE
SECS-P / 02 - ECONOMIC POLICY
SECS-P/07 - BUSINESS ADMINISTRATION AND MANAGEMENT
SECS-P / 11 - ECONOMY OF FINANCIAL INTERMEDIARIES
SECS-P / 12 - ECONOMIC HISTORY

Curricula:

- **Theory and history of law: sociality and public sphere supranational**
- **Laws, protections, markets: negotiating autonomies and business disciplines**
- **Companies, institutions and markets in the European Union**
- **Migration, European health systems and protection of fundamental rights – MISED.**

EDUCATIONAL OBJECTIVES

The programme provides multidisciplinary skills and knowledge in the fields of the theory of law, of laws (civil, business and labor law), in economics, in the European context, with reference to public and private companies, institutions and markets, and in sociology, concerning the issues of migration and the right to health. The aim is to put into practice an articulated on juridical supranationality and in particular on the European economic constitution.

The *ad hoc* objectives for each of the four curricula are as follows:

The **Theory and history of law: sociality and public sphere supranational** focuses on issues related to the revival of a new supranational common law, with special attention to the process of globalization, to European integration and their constitutionalization .

The **Laws, protections, markets: negotiating autonomies and business disciplines** is aimed at guaranteeing juridical knowledge, which go from themes of consumer protection to contract, and the regulation of labor relations.

The **Companies, institutions and markets in the European Union** provides specialised in depth analysis (managerial, economic and legal), in terms of rules, patterns of functioning and financing for businesses, real and financial markets, institutions and economic policies in EU.



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PSYCHOLOGY

Disciplinary/Scientific Sectors

ACADEMIC FIELDS

M-PSI/01 – GENERAL PSYCHOLOGY

M-PSI/02 – PSYCHOBIOLOGY AND PHYSIOLOGICAL PSYCOLOGY

M-PSI/03 – PSYCHOMETRICS

M-PSI/04 – DEVELOPMENTAL AND EDUCATIONAL PSYCHOLOGY

M-PSI/08 – CLINICAL PSYCHOLOGY

M-PED/01 – THEORIES AND SCIENCE OF EDUCATION AND SOCIAL EDUCATION

M-PED/03 – METHODOLOGIES OF TEACHING AND SPECIAL EDUCATION

BIO / 14 - PHARMACOLOGY

MED / 38 - GENERAL AND SPECIALIST PEDIATRICS

MED / 42 –HIGYENE AND PUBLIC HEALTH

EDUCATIONAL OBJECTIVES

The aim of the PhD course is the training of young researchers capable of carrying out research projects in the psychological field, with particular reference to the analysis and understanding of cognitive and behavioral processes and related disorders. In particular, we intend to train scholars who are able to analyze the systemic relationships of the main cognitive and emotional-motivational processes with biological and social processes, monitoring their development throughout the life span. The course aims to provide knowledge and skills useful for the experimentation of integrated intervention protocols, of a bio-psycho-social nature, both preventive and clinical, aimed at the prevention and treatment of discomfort and pathologies and the consolidation of psycho-physical well-being and quality of life. The training program includes 1500 hours of activity (180 CFU) and is available on the website <http://web.unicz.it/it/category/dottorati-di-ricerca>

Programme Duration: 3 years

Coordinator: Prof.ssa Francesca Cuzzocrea

e-mail fcuzzocrea@unicz.it

Degrees required for admission:

LM-41 Medicine

LM-51 Psychology

LM-67 Sciences and Techniques of Preventive and Adapted Motor Activities

LM-68 Sports Sciences and Technique

LM-85 Pedagogical Sciences

LM/SNT1- Nursing and Midwifery Sciences

Positions with scholarship n. 6:

n. 4 ordinary positions (*financed by Università di Catanzaro
Università di Messina*)



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n.2 reserved positions for candidates who have graduated from
foreign universities (*financed by Università di Catanzaro*)

Positions without grant n. 2

Positions reserved employed Tice Cooperativa Sociale Alta Val Tidone (PC) Italy n.1

Details research project: The research project, which can be presented in English or in Italian, must be written in a maximum of 4 folders (30 lines of 90 characters each) including any diagrams or graphs, and must be inherent to the issues concerning the objectives course training courses, described above, with reference to the chosen curriculum

Qualifications and research project evaluation results publication date:

By 23 September 2021 on website <https://web.unicz.it/it/category/bandi-ateneo>

Interviews:

27 September 2021, 11:30 a.m. (Italian time)

See art.6 for interview in videoconference on MeetGmail

The link to access the virtual classroom will be published <https://web.unicz.it/it/category/bandi-ateneo>

Foreign Language: English