



Finanziato dal Ministero della Salute nell'ambito del Piano Nazionale Complementare "Salute, Ambiente, Biodiversità, Clima"



UNIVERSITÀ
CATTOLICA
del Sacro Cuore



Finanziato
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NextGenerationEU

ANNEX NO. 2 DECTORAL DECREE NO. 11612 del 10 giugno 2024

Public competition announcement for admission to the PhD programmes in "Health systems and service research", "Experimental and translational medicine", "Neurosciences", "Cellular and molecular clinical research", "Basic biomedical sciences and public health", "Nutrition, metabolism, ageing and gender-related pathologies" and "Oncological sciences", at Università Cattolica del Sacro Cuore - XL cycle - Rome campus

Art. 1 Opening

For each PhD programme, for which an open competition is announced, the duration, the places advertised, the affiliated institutions, the coordinator, the timetable and the arrangements for the competitive examinations are indicated.

The number of scholarships may be increased as a result of funding from public and private entities, provided that the relevant agreement is signed by the deadline of the call.

The increase in scholarships may lead to an increase in the number of places on offer.

Any subsequent amendments and/or additions to the notice will be publicised on <https://progetti.unicatt.it/progetti-ateneo-bandi-e-concorsi-roma#content>.

The activation of the PhD programme and the related selection procedures are subject to the condition of accreditation and verification of maintenance of requirements by ANVUR. The projects listed in Annex A, related to the scholarships awarded pursuant to m.d. 630/24, are subject to eligibility verification by the Ministry.

PhD programme in: HEALTH SYSTEMS AND SERVICE RESEARCH

(Coordinator: Prof. Giuseppe ARBIA)

Duration: 3 years

Places: 5

- Places with scholarship: 4

of which 3 places with scholarship for d.m. 630/24: see Art. 2 of this notice;

The candidate must meet the following requirements:

Graduate degree in medicine and surgery specialised training in occupational medicine; documented competence in the field of health surveillance activities for the purpose of suitability for students in schools of every level and type; competence and ability demonstrable in international and national publications on topics relating to the state of wellbeing of workers and exposure to physical, chemical and environmental factors; publication of at least 10 articles in journals with international impact and bibliometric *H Index* >4; collaboration in national research projects of international importance on related topics relating to the correlation between environmental wellbeing parameters and the state of health of workers or equivalent.

- Places without a scholarship: 1.

The following collaborates by financing scholarships: Altems Advisory S.r.l.

Information:

the PhD programme includes a compulsory specific training course;
the lesson calendar will be communicated by the coordinator's secretariat
<https://scuoledidottorato.unicatt.it/health-systems>

Application for participation:

In the application, candidates must choose and declare only one of the following possibilities:

- to compete for a position on the general list;
- to compete for the position of finalised scholarship:
'PNRR Altems Advisory '

In addition to the application form, all applicants must enclose:

- a detailed *CV* in English;
- a research project written in Italian or English (indicative limit of 20,000 characters, spaces included) with references accompanied by an abstract in English (indicative limit of 3,000 characters, spaces included). The research project must allow the verification of the applicant's scientific interests and their adherence to one of the scientific lines of the PhD programme in Health systems and service research, but is not a constraint on subsequent research activity within the PhD programme. The project must demonstrate the candidate's full knowledge of the state of the art in the field, mastery of research methodologies within the discipline and include adequate references;



Application for participation:

The research project must relate to one of the following areas of the candidate's choice

- *Healthcare Management;*
 - *Health Economics;*
 - Economic assessments of health programmes;
 - *HTA (Health Technology Assessment);*
 - *Big Data Analytics for Healthcare Service and Systems Management;*
 - *Global Health;*
 - *Health Legislation.*
- for university graduates, self-certification of the degree held, with final grade and list of examinations taken with the relevant marks or certification of the degree obtained at a foreign university, with final grade and list of examinations taken with the relevant marks;
 - for graduating students, self-certification of enrolment in a degree programme with the list of examinations taken and the relevant grades, or in a foreign academic programme with the examinations taken and the relevant grades;
 - certification of any further qualifications such as Specialising Master's Programmes and specialisation programmes obtained in Italy and/or abroad, with a list of the examinations taken with the relative marks and a copy of any other qualification considered useful for assessment purposes;
 - a copy of any publications deemed useful for the assessment.

In order to be evaluated for admission to the PhD programme, candidates must also send, by the deadline of the call for applications, Tuesday July 30st 2024, by *e-mail* to the PhD Office (dottorati.ricerca-rm@unicatt.it) and to the Programme Coordinator's Secretariat (altems@unicatt.it) both their *curriculum vitae* and their research project with *abstract*.

Assessment procedure:

The assessment for admission to the PhD programme is based on the following elements:

Element (a): *Curriculum vitae* and other qualifications;

Element (b): Research project;

Element (c): Interview with the Selection Committee

The assessment is based on a scale of 0 to 70 points awarded according to the following criteria:

- elements (a) and (b) are rated from 0 to 20 points each. Only candidates scoring a total



of 30 points are admitted to the interview. The results of the assessment of elements a) and b) will be visible on the webpage: <https://progetti.unicatt.it/progetti-ateneo-roma-esiti-prove-concorsuali-results-competition-tests#content>;

- element (c) is rated from 0 to 30 points. The interview, in Italian or English, is aimed at discussing the candidate's motivations and project, answering the examining committee's questions and ascertaining the candidate's linguistic qualification (English language, level B2) and the presence of adequate IT skills.

The final ranking is the result of the sum of the scores obtained in elements a), b) and c).

Candidates are only admitted to the PhD programme if they obtain at least 20 points in the interview and in order of ranking according to the number of available places.

Schedule of tests:

Interview: Tuesday, September 10th 2024, 2 p.m., in Room 4, “Polo Universitario Giovanni XXIII” -Largo Francesco Vito, 1 - 00168 Rome.

In any case, the commission reserves the right to conduct the oral test by videoconference, according to the instructions that will be communicated to all admitted candidates.

Candidates unable to attend the oral test at the venue may request, by the deadline of the announcement, to take the oral test electronically on the Microsoft Teams platform, by sending an email to altems@unicatt.it with the reason for the request.

The candidate can be excluded if it cannot be found on the agreed day and time.

Università Cattolica del Sacro Cuore shall bear no responsibility if any technical reasons prevent the effective conduction of the interview.

Merit ranking:

The admission rankings for the oral tests will be published starting from Wednesday 7th August 2024.

PhD programme in: EXPERIMENTAL AND TRANSLATIONAL MEDICINE

(Coordinator: Prof. Ornella PAROLINI)

Duration: 3 years

Places: 14

- Places with scholarship: 11

of which 2 places for which an ad hoc public announcement will be activated for the research project *Exploring the therapeutic potential of perinatal cell SECRETomes* (SECRET) Grant Agreement n.101168752” finanziato all'interno del programma Horizon Europe – Marie Skłodowska Curie Action – Doctoral Network (Bando HORIZON-MSCA-2023-DN-01-01);

of which 3 places with scholarship for d.m. 630/24 see Art. 2 of this notice;



of which 1 place with scholarship for the research project “Musculoskeletal involvement in Lupus: Role of ultrasound as predictive clinical outcome of peripheral blood and synovial tissue deep phenotyping”;

of which 1 position with a scholarship for the realisation of the research project on ‘Osteoradionecrosis of the jaws following dental extractions performed before radiotherapy in patients with head and neck cancer: a prospective cohort clinical-dosimetry study’;

of which 1 position with a scholarship for the realisation of the research project on ‘Investigating novel signaling mechanisms in control of metastatic ovarian cancer cells’;

of which 1 position with a scholarship for the research project ‘Prostanoids and their modulation in cardiovascular diseases’;

of which 1 position with a scholarship for the research project ‘Multi-omic approaches to human diseases of musculoskeletal and nervous system’

- Places without a scholarship: 3

Information:

the PhD programme includes a compulsory specific training course;

the lesson calendar will be communicated by the coordinator's secretariat

<https://scuoledidottorato.unicatt.it/health-systems>

Application for participation:

In the application, applicants must choose and declare only one of the following possibilities:

- to compete for a position on the general list;

- to compete for the position of finalised scholarship:

‘Multi-omics approaches ’

‘Musculoskeletal involvement in Lupus’;

‘Osteoradionecrosis of the jaws

‘New regulatory mechanisms’;

‘Prostanoids’;

‘PNRR Officine Ortopediche srl - Treatment of Tendinopathies’.

‘PNRR Officine Ortopediche srl - Effectiveness and safety of injections’;

‘PNRR Diatech’.

In addition to the application form, all applicants must enclose:

- a detailed *CV* in English;

- a research project written in Italian or English (indicative limit of 20,000 characters, spaces included) with references accompanied by an abstract in English (indicative limit of 3,000 characters, spaces included). The research project must allow the verification of the applicant's scientific interests and their adherence to one of the scientific lines of the PhD programme in Experimental and Translational Medicine,



but is not a constraint on subsequent research activity within the PhD programme. The project must demonstrate the candidate's full knowledge of the state of the art in the field, mastery of research methodologies within the discipline and include adequate references;

The research project must relate to one of the following areas of the candidate's choice

- Renal medicine;
 - Transplantation medicine;
 - Computational biomedicine;
 - Rare diseases;
 - Endothelium and haemostasis medicine;
 - Regenerative medicine;
 - Gynaecology.
- for university graduates, self-certification of the degree held, with final grade and list of examinations taken with the relevant marks or certification of the degree obtained at a foreign university, with final grade and list of examinations taken with the relevant marks;
 - for graduating students, self-certification of enrolment in a degree programme with the list of examinations taken and the relevant grades, or in a foreign academic programme with the examinations taken and the relevant grades;
 - certification of any further qualifications such as Specialising Master's Programmes and specialisation programmes obtained in Italy and/or abroad, with a list of the examinations taken with the relative marks and a copy of any other qualification considered useful for assessment purposes;
 - a copy of any publications deemed useful for the assessment.

In order to be evaluated for admission to the PhD programme, candidates must also send, by the deadline of the call for applications, Tuesday July 30st 2024, by *e-mail* to the PhD Office (dottorati.ricerca-rm@unicatt.it) and the Applied Biology Section (sezione.biologiaapplicata@unicatt.it) both a *curriculum vitae* and a research project with an *abstract*.

Assessment procedure:

The assessment for admission to the PhD programme is based on the following elements:

Element (a): *Curriculum vitae* and other qualifications;

Element (b): Research project;

Element (c): Interview with the Selection Committee

The assessment is based on a scale of 0 to 70 points awarded according to the following criteria:

- elements (a) and (b) are rated from 0 to 20 points each. Only candidates scoring a total of 30 points are admitted to the interview. The results of the assessment of elements a) and b) will be visible on the webpage: <https://progetti.unicatt.it/progetti-ateneo-roma-esiti-prove-concoursuali-results-competition-tests#content>;
- element (c) is rated from 0 to 30 points. The interview, in Italian or English, is aimed



at discussing the candidate's motivation and project and answering questions from the selection committee.

The final ranking is the result of the sum of the scores obtained in elements a), b) and c).

Candidates are only admitted to the PhD programme if they obtain at least 20 points in the interview and in order of ranking according to the number of available places.

Schedule of tests:

Interview: Friday, September 6th 2024, 9.30 a.m., in the Room G(ex 113),located at the Biological Institutes, - Largo Francesco Vito, 1 - 00168-Rome.

In any case, the commission reserves the right to conduct the oral test by videoconference, according to the instructions that will be communicated to all admitted candidates.

Candidates unable to attend the oral test at the venue may request, by the deadline of the announcement, to take the oral test electronically on the Microsoft Teams platform, by sending an email to sezione.biologiaapplicata@unicatt.it with the reason for the request.

The candidate can be excluded if it cannot be found on the agreed day and time.

Università Cattolica del Sacro Cuore shall bear no responsibility if any technical reasons prevent the effective conduction of the interview.

Merit ranking:

The admission rankings for the oral tests will be published starting from Wednesday 7th August 2024.

PhD programme in: NEUROSCIENCE

(Coordinator: Prof. Paolo CALABRESI)

Duration: 3 years

Places: 20

- Places with scholarship: 15

of which 3 places with scholarship for d.m.630/24: see Art. 2 of this notice;

of which 1 position with a scholarship for the research project 'Advanced morpho-functional analysis of the optic nerve in glaucomatous pathology';

of which no. 1 position with a scholarship for the realisation of the research project 'Trustworthy artificial intelligence (AI) for Improvement of stroke outcomes (TRUSTrocke) '- Grant Agreement no. 101080564- CUP- C83C23000520006, funded within the Horizon Europe Programme;

of which no. 1 position with a scholarship for at the realisation of the research project in 'Psychopathology and gender mental health'. Specifically, evaluation of mental health and the development of symptoms of psychopathological interest, with particular reference to those of anxiety and depression, in women at various stages of life and under conditions of particular stress. The project should aim to identify incremental biomarkers of risk of psychopathological development and non-/partial response to possible



treatment', funded by Centro Lucio Bini Aretaeus Studio Psichiatrico Associato.

- Places without a scholarship: 5

Information:

the PhD programme includes a compulsory specific training course;
the lesson calendar will be communicated by the coordinator's secretariat
<https://scuoledidottorato.unicatt.it/health-systems>

Application for participation:

In the application, applicants must choose and declare only one of the following possibilities:

- to compete for a position on the general ranking list;
- to compete for the position of finalised scholarship:
 - 'Morpho-functional analysis';
 - 'Trustworthy artificial intelligence';
 - 'Lucio Bini Aretaeus Centre';
 - 'PNRR React4life';
 - 'PNRR Bayer Spa';
 - 'PNRR Abbott Medical.

In addition to the application form, all applicants must enclose:

- a detailed *CV* in English;
- a research project written in Italian or English (indicative limit of 20,000 characters, spaces included) with references accompanied by an abstract in English (indicative limit of 3,000 characters, spaces included). The research project must allow the verification of the candidate's scientific interests and their adherence to one of the scientific lines of the PhD programme in Neuroscience, but is not a constraint on subsequent research activity within the PhD programme. The project must demonstrate the candidate's full knowledge of the state of the art in the field, mastery of research methodologies within the discipline and include adequate references;

The research project must relate to one of the following areas of the candidate's choice

- Clinical neuroscience;
- Neuropsychology;
- Cellular and Molecular Neuroscience;
- Translational medicine of the cervicofacial region and neurophysiopathology of the sensory apparatus of the head and neck;
- Paediatric Development and Disability;
- Developmental neurological sciences;
- Biophysics.



- for university graduates, self-certification of the degree held, with final grade and list of examinations taken with the relevant marks or certification of the degree obtained at a foreign university, with final grade and list of examinations taken with the relevant marks;
- for graduating students, self-certification of enrolment in a degree programme with the list of examinations taken and the relevant grades, or in a foreign academic programme with the examinations taken and the relevant grades;
- certification of any further qualifications such as Specialising Master's Programmes and specialisation programmes obtained in Italy and/or abroad, with a list of the examinations taken with the relative marks and a copy of any other qualification considered useful for assessment purposes;
- a copy of any publications deemed useful for the assessment.
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In order to be evaluated for admission to the PhD programme, candidates must also send, by the deadline of the call for applications, Tuesday July 30st 2024, by *e-mail* to the PhD Office (dottorati.ricerca-rm@unicatt.it) and to the Programme Coordinator's Secretariat (flavia.torlizzi@policlinicogemelli.it) both their *curriculum vitae* and their research project with *abstract*.

Assessment procedure:

The assessment for admission to the PhD programme is based on the following elements:

Element (a): *Curriculum vitae* and other qualifications;

Element (b): Research project;

Element (c): Interview with the Selection Committee

The assessment is based on a scale of 0 to 70 points awarded according to the following criteria:

- elements (a) and (b) are rated from 0 to 20 points each. Only candidates scoring a total of 30 points are admitted to the interview. The results of the assessment of elements a) and b) will be visible on the webpage: <https://progetti.unicatt.it/progetti-ateneo-roma-esiti-prove-concorsuali-results-competition-tests#content>;

- element (c) is rated from 0 to 30 points. The interview, in Italian or English, is aimed at discussing the candidate's motivation and project and answering questions from the selection committee.

The final ranking is the result of the sum of the scores obtained in elements a), b) and c).

Candidates are only admitted to the PhD programme if they obtain at least 20 points in the interview and in order of ranking according to the number of available places.

Schedule of tests:

Interview: Monday, September 9th 2024, 9 a.m., in Room 716, located on the 7th floor of the Policlinico Agostino Gemelli, n.8- 00168- Rome.

In any case, the commission reserves the right to conduct the oral test by videoconference,



according to the instructions that will be communicated to all admitted candidates.

Candidates unable to attend the oral test at the venue may request, by the deadline of the announcement, to take the oral test electronically on the Microsoft Teams platform, by sending an email to flavia.torlizzi@policlinicogemelli.it with the reason for the request.

The candidate can be excluded if it cannot be found on the agreed day and time.

Università Cattolica del Sacro Cuore shall bear no responsibility if any technical reasons prevent the effective conduction of the interview.

Merit ranking:

The admission rankings for the oral tests will be published starting from Wednesday 7th August 2024.

PhD programme in: CLINICAL CELLULAR AND MOLECULAR RESEARCH
(Coordinator: Prof. Luca RICHELDI)

Duration: 3 years

Places: 6

- Places with scholarship: 5
 - of which 1 place with scholarship for d.m. 630/24: see Art. 2 of this notice;
 - of which 1 position with a scholarship for the research project “Bariatric Edoscopy”, funded by AL Safa Company
- Places without a scholarship: 1

Information:

the PhD programme includes a compulsory specific training course;
the lesson calendar will be communicated by the coordinator's secretariat
<https://scuoledidottorato.unicatt.it/health-systems>

Application for participation:

In the application, candidates must choose and declare only one of the following possibilities

- to compete for a position on the general list
- to compete for a finalised scholarship position:
‘AL SAFA COMPANY’;
‘PNRR Sanofi’.

In addition to the application form, all applicants must enclose:

- a detailed *CV* in English;
- a research project written in Italian or English (indicative limit of 20,000 characters, spaces included) with references accompanied by an abstract in English (indicative



limit of 3,000 characters, spaces included). The research project must enable verification of the candidate's scientific interests and their adherence to one of the scientific lines of the PhD programme in Clinical, Cellular and Molecular Research, but does not constitute a constraint on subsequent research activity within the PhD programme. The project must demonstrate the candidate's full knowledge of the state of the art in the field, mastery of research methodologies within the discipline and include adequate references;

The research project must relate to one of the following areas of the candidate's choice

- Cardiology;
 - Cardiac surgery;
 - Diabetology;
 - Digestive endoscopy;
 - Infectiology;
 - Dentistry;
 - Pneumology.
- for graduates, self-certification of the degree held, with final grade and list of examinations taken with the relevant marks or certification of the degree obtained at a foreign university, with a final grade and a list of the examinations taken with the corresponding marks;
 - for graduating students, self-certification of enrolment in a degree programme with the list of examinations taken and the relevant grades, or in a foreign academic programme with the examinations taken and the relevant grades;
 - certification of any further qualifications such as Specialising Master's Programmes and specialisation programmes obtained in Italy and/or abroad, with a list of the examinations taken with the relative marks and a copy of any other qualification considered useful for assessment purposes;
 - a copy of any publications deemed useful for the assessment.

In order to be assessed for admission to the PhD programme, candidates must also send, by the deadline of the call for applications, Tuesday July 30st 2024, by e-mail to the PhD Office (dottorati.ricerca-rm@unicatt.it) and to the Programme Coordinator's Secretariat (claudia.caccianotti@unicatt.it) both their *curriculum vitae* and their research project with abstract.

Assessment procedure:

The assessment for admission to the PhD programme is based on the following elements:

Element (a): *Curriculum vitae* and other qualifications;

Element (b): Research project;

Element (c): Interview with the Selection Committee.

The assessment is based on a scale of 0 to 70 points awarded according to the following criteria:

- elements (a) and (b) are rated from 0 to 20 points each. Only candidates scoring a total



of 30 points are admitted to the interview.

The results of the assessment of elements (a) and (b) will be visible on the webpage: <https://progetti.unicatt.it/progetti-ateneo-roma-esiti-prove-concorsuali-results-competition-tests#content>;

- element (c) is rated from 0 to 30 points. The interview, in Italian or English, is aimed at discussing the candidate's motivation and project and answering questions from the selection committee.

The final ranking is the result of the sum of the scores obtained in elements a), b) and c).

Candidates are only admitted to the PhD programme if they obtain at least 20 points in the interview and in order of ranking according to the number of available places.

Schedule of tests:

Interview: Thursday, September 4th 2024, 9:00 a.m., in Room 805-806, located on wing Q the 8th floor of the Policlinico Agostino Gemelli, n. 8 - 00168- Rome.

In any case, the commission reserves the right to conduct the oral test by videoconference, according to the instructions that will be communicated to all admitted candidates.

Candidates unable to attend the oral test at the venue may request, by the deadline of the announcement, to take the oral test electronically on the Microsoft Teams platform, by sending an email to claudia.caccianotti@unicatt.it with the reason for the request.

The candidate can be excluded if it cannot be found on the agreed day and time.

Università Cattolica del Sacro Cuore shall bear no responsibility if any technical reasons prevent the effective conduction of the interview.

Merit ranking:

The admission rankings for the oral tests will be published starting from Wednesday 7th August 2024.

PhD programme in: BASIC BIOMEDICAL SCIENCES AND PUBLIC HEALTH (Coordinator: Prof. Maurizio SANGUINETTI)

Duration: 3 years

Places: 14

- Places with scholarship: 11

of which 1 place with scholarship for d.m. 630/24: see Art. 2 of this notice;

of which 1 place with a scholarship referred to this project:

- *Interaction of genomic and dietary aspects in gastric cancer risk: the global StoP project* PRIN 2022A4WZFC. CUP J53D23012080008 funded by the Ministry of University and Research PNR for Mission 4, Component 2, investment 1.1. Notice 104/2022 funded by European Union - Next Generation EU;
- *"ECHO-S - Establishing of Cancer Mission Hubs: Networks and Synergies"* Grant Agreement n. 101104587. CUP: J53C23000640006 funded by European Commission within Horizon Europe Programme — Mission Cancer;



of which 1 place with scholarship, aimed at the realisation of the research project “Evaluation of the exposome in the first 1000 days in cohorts born in areas of high anthropisation and implementation of interventions for risk reduction”, PREV-A-2022-12377025 - CUP: C55I22001150001, funded by the Ministry of Health within the framework of the National Complementary Plan ‘Health, Environment, Biodiversity, Climate’ at the Fondazione Policlinico Universitario Agostino Gemelli IRCCS;

of which 1 place with scholarship, for the realisation of the research project *PROPHET* - “A *PeRsOnalized Prevention roadmap for the future HEalThcare*”, Grant Agreement N. 101057721 CUP: J83C22000900006co-funded by the European Union within the Horizon Europe Framework Programme;

of which 1 place with scholarship, for the realisation of the research project *PROPHET* - “*Joint Action on the New EU Cancer Screening Scheme Implementation EUCanScreen* - Grant Agreement n. 101162959 funded by the European Union within EU4Health Programme;

of which 2 places with scholarship, for the realisation of the research project “JAPreventNCD - Cancer and other NCDs prevention action on health determinants”. CUP J83C23000910004, Grant Agreement n. 101128023, funded by the European Union within EU4Health Programme.

- Places without a scholarship: 3

Information:

the PhD programme includes a compulsory specific training course;

the lesson calendar will be communicated by the coordinator's secretariat

<https://scuoledidottorato.unicatt.it/health-systems>

Application for participation:

In addition to the application form, all applicants must enclose:

- a detailed *CV* in English;
- a research project written in Italian or English (indicative limit of 20,000 characters, spaces included) with references accompanied by an *abstract* in English (indicative limit of 3,000 characters, spaces included). The research project must allow the verification of the applicant's scientific interests and their adherence to the scientific lines of the PhD programme in Basic Biomedical Sciences and Public Health, but does not constitute a constraint on subsequent research activity within the PhD programme. The project must demonstrate the candidate's full knowledge of the state of the art in the field, mastery of research methodologies within the discipline and include adequate references;

In the application, applicants must choose and declare only one of the following possibilities:

- to compete for a place on the general ranking list;
- to compete for the place of finalised scholarship :



CUP J53D23012080008/ ECHoS’;
“PREV-A-2022-12377025”;
‘PROPHET’;
‘EUCanScreen’;
‘JAPreventNCD’.
‘PNRR R&P COMPANY’.

The research project must relate to one of the following areas of the candidate's choice

- Medical molecular genetics;
 - Tools for risk assessment and management in the context of occupational exposure to new technologies;
 - Public Health and Health Systems;
 - Epidemiological Methodology;
 - Studies of biological samples using proteomic platforms;
 - Study and characterisation of microbial pathogenicity determinants;
 - Identification and molecular characterisation of antimicrobial resistance determinants;
 - Molecular genetics, clinical, epidemiology and forensic implications of sudden cardiac death;
 - Human population genetics and its forensic applications;
 - Safety, ethical assessment of research and humanisation of healthcare organisations.
- for university graduates, self-certification of the degree held, with final grade and list of examinations taken with the relevant marks or certification of the degree obtained at a foreign university, with final grade and list of examinations taken with the relevant marks;
 - for graduating students, self-certification of enrolment in a degree programme with the list of examinations taken and the relevant grades, or in a foreign academic programme with the examinations taken and the relevant grades;
 - certification of any further qualifications such as Specialising Master's Programmes and specialisation programmes obtained in Italy and/or abroad with a list of examinations taken with the relevant marks and a copy of any other qualification deemed useful for assessment purposes;
 - a copy of any publications deemed useful for the assessment.

In order to be evaluated for admission to the PhD programme, candidates must also send, by the deadline of the call for applications, Tuesday July 30st 2024, by *e-mail* to the PhD Office (dottorati.ricerca-rm@unicatt.it) and to the Programme Coordinator (maurizio.sanguinetti@unicatt.it) both their *curriculum vitae* and their research project with abstract.

Assessment procedure:

The assessment for admission to the PhD programme is based on the following elements:

Element (a): *Curriculum vitae* and other qualifications;



Element (b): Research project;

Element (c): Interview with the Selection Committee.

The assessment is based on a scale of 0 to 70 points awarded according to the following criteria:

- elements (a) and (b) are rated from 0 to 20 points each. Only candidates scoring a total of 30 points are admitted to the interview. The results of the assessment of elements a) and b) will be visible on the webpage: <https://progetti.unicatt.it/progetti-ateneo-roma-esiti-prove-concorsuali-results-competition-tests#content>;

- element (c) is rated from 0 to 30 points. The interview, in Italian or English, is aimed at discussing the candidate's motivation and project and answering questions from the selection committee.

The final ranking is the result of the sum of the scores obtained in elements a), b) and c).

Candidates are only admitted to the PhD programme if they obtain at least 20 points in the interview and in order of ranking according to the number of available places.

Schedule of tests:

Interview: Tuesday September 10th 2024, 9:00 a.m., in room 994, located on 9 floor Policlinico Gemelli, – Largo Agostino Gemelli, n.8- 00168- Rome.

The interview modality may be modified according to developments in the health situation.

In any case, the commission reserves the right to conduct the oral test by videoconference, according to the instructions that will be communicated to all admitted candidates.

Candidates unable to attend the oral test at the venue may request, by the deadline of the announcement, to take the oral test electronically on the Microsoft Teams platform, by sending an email to the maurizio.sanguinetti@unicatt.it with the reason for the request.

The candidate can be excluded if it cannot be found on the agreed day and time.

Università Cattolica del Sacro Cuore shall bear no responsibility if any technical reasons prevent the effective conduction of the interview.

Merit ranking:

The admission rankings for the oral tests will be published starting from Wednesday 7th August 2024.

PhD programme in: SCIENCE OF NUTRITION, METABOLISM, AGEING AND GENDER-RELATED DISEASES

(Coordinator: Prof. Alfredo PONTECORVI)

Duration: 3 years

Places: 14

- Places with scholarship: 11

of which 2 places with scholarship for d.m. 630/24: see Art. 2 of this notice;



of which 1 place with a scholarship for the realisation of the research project in " Artificial Intelligence applications in surgery and robotics, funded by IRCAD France;
of which 1 place with a scholarship for the realisation of the research project in Disentangling microbiome engraftment by multi-omics of the gut ecosystem during fecal transplant;

of which 1 place with a scholarship for the realisation of the research project in Definition and development of a national diabetic disease registry within the Joint Action cardiovascular diseases and diabetes JACARDI project;

of which 1 place with a scholarship reserved for a candidate with medical specialization in Gastroenterology and/or Internal Medicine, funded by Abbvie.

- Places without a scholarship: 3

Information:

the PhD programme includes a compulsory specific training course;

the lesson calendar will be communicated by the coordinator's secretariat

<https://scuoledidottorato.unicatt.it/health-systems>

Application for participation:

In the application, candidates must choose and declare only one of the following possibilities:

- to compete for a position on the general list;
- to compete for the position of finalised scholarship:

IRCAD France;

‘Disentangling microbiome’;

ABBVIE

JACARDI

‘PNRR IBSA PHARMACEUTICS Comparison of (...) thyroxine’;

‘PNRR IBSA PHARMACEUTICS Role of acute hypothyroidism’.

In addition to the application form, all applicants must enclose:

- a detailed *CV* in English;
- a research project written in Italian or English (indicative limit of 20,000 characters, spaces included) with references accompanied by an *abstract* in English (indicative limit of 3,000 characters, spaces included). The research project must allow the verification of the candidate's scientific interests and their adherence to one of the scientific lines of the PhD programme in Nutrition, Metabolism, Ageing and Gender Sciences, but does not constitute a constraint on subsequent research activity within the PhD programme. The project must demonstrate the candidate's full knowledge of the state of the art in the field, mastery of research methodologies within the discipline and include adequate references;

The research project must relate to one of the following areas of the candidate's choice

- Gastroenterology and Nutrition;
- Endocrine-Metabolic;



- Gerontological and Geriatric;
 - Medical-Surgical Gender Pathologies.
- for university graduates, self-certification of the degree held, with final grade and list of examinations taken with the relevant marks or certification of the degree obtained at a foreign university, with final grade and list of examinations taken with the relevant marks;
 - for graduating students, self-certification of enrolment in a degree programme with the list of examinations taken and the relevant grades, or in a foreign academic programme with the examinations taken and the relevant grades;
 - certification of any further qualifications such as Specialising Master's Programmes and specialisation programmes obtained in Italy and/or abroad with a list of the examinations taken with the relative marks and a copy of any other qualification considered useful for assessment purposes;
 - a copy of any publications deemed useful for the assessment.

In order to be evaluated for admission to the PhD programme, candidates must also send, by the deadline of the call for applications, Tuesday July 30st 2024, by *e-mail* to the PhD Office (dottorati.ricerca-rm@unicatt.it) and to the Programme Coordinator's Secretariat (segreteria.endocrinologia-rm@unicatt.it) both their *curriculum vitae* and their research project with *abstract*.

Assessment procedure:

The assessment for admission to the PhD programme is based on the following elements:

Element (a): *Curriculum vitae* and other qualifications;

Element (b): Research project;

Element (c): Interview with the Selection Committee.

The assessment is based on a scale of 0 to 70 points awarded according to the following criteria:

- elements (a) and (b) are rated from 0 to 20 points each. Only candidates scoring a total of 30 points are admitted to the interview. The results of the assessment of elements a) and b) will be visible on the webpage: <https://progetti.unicatt.it/progetti-ateneo-roma-esiti-prove-concorsuali-results-competition-tests#content>;

- element (c) is rated from 0 to 30 points. The interview, in Italian or English, is aimed at discussing the candidate's motivation and project and answering questions from the selection committee.

The final ranking is the result of the sum of the scores obtained in elements a), b) and c).

Candidates are only admitted to the PhD programme if they obtain at least 20 points in the interview and in order of ranking according to the number of available places.

Schedule of tests:

Interview: Thursday September 5th 2024, 09:00 a.m. in Room 4, located on wing Q, on 3th floor of the Policlinico Agostino Gemelli - Largo Agostino Gemelli, n.8- 00168- Rome.



In any case, the commission reserves the right to conduct the oral test by videoconference, according to the instructions that will be communicated to all admitted candidates.

Candidates unable to attend the oral test at the venue may request, by the deadline of the announcement, to take the oral test electronically on the Microsoft Teams platform, by sending an email to the segreteria.endocrinologia-rm@unicatt.it box with the reason for the request.

The candidate can be excluded if it cannot be found on the agreed day and time.

Università Cattolica del Sacro Cuore shall bear no responsibility if any technical reasons prevent the effective conduction of the interview.

Merit ranking:

The admission rankings for the oral tests will be published starting from Wednesday 7th August 2024.

PhD programme in: ONCOLOGICAL SCIENCES

(Coordinator: Prof. Valerio DE STEFANO)

Duration: 3 years

Places: 22

- Places with scholarship: 17

of which no. 1 position with a scholarship for the realisation of the research project in 'Realisation of a geriatric assessment score for patients with chronic lymphatic leukaemia', funded by AstraZeneca;

of which no. 1 position with a scholarship for the realisation of the research project in Oncohaematology, reserved for a candidate with medical specialisation in haematology, funded by ABBVIE;

of which 1 position with a scholarship for the realisation of the research project in 'Development and implementation of artificial intelligence algorithms and advanced analysis methods to support clinical decisions;

of which no. 1 position with a scholarship for the realisation of the research project in 'Clinical care pathway for the correct diagnosis of blastic plasmacytoid dendritic cell neoplasms'. The position is reserved for a candidate who is not a doctor affiliated with the National Health Service nor is working on a permanent basis at health facilities. The post is funded by 'Menarini Stemline Italia S.r.l.'

- Places without a scholarship: 5

The following collaborates by funding a scholarship: AOP HEALTH ITALY S.R.L.

Information:



the PhD programme includes a compulsory specific training course;
the lesson calendar will be communicated by the coordinator's secretariat
<https://scuoledidottorato.unicatt.it/health-systems>

Application for participation:

In the application, candidates must choose and declare only one of the following possibilities

- to compete for a position on the general ranking list;
- to compete for the finalised scholarship position:

AstraZeneca;

ABBVIE;

‘Artificial Intelligence Algorithms’;

Menarini Stemline Italia S.r.l.

In addition to the application form, all applicants must enclose:

- a detailed *CV* in English;
- a research project written in Italian or English (indicative limit of 20,000 characters, including spaces) with references accompanied by an *abstract* in English (indicative limit of 3,000 characters, including spaces). The research project must allow the verification of the applicant's scientific interests and their adherence to one of the scientific lines of the PhD programme in Oncological Sciences. but is not a constraint on subsequent research activity within the PhD programme. The project must demonstrate the candidate's full knowledge of the state of the art in the field, mastery of research methodologies within the discipline and include adequate references;

The research project must relate to one of the following areas of the candidate's choice

- Precision oncology in solid tumours;
 - Oncohaematology;
 - Molecular and translational oncology;
 - Radiotherapy oncology, imaging and technological innovation;
 - Oncology and Humanities ('*Biomedical Humanities*' in Oncology).
- for university graduates, self-certification of the degree held, with final grade and list of examinations taken with the relevant marks or certification of the degree obtained at a foreign university, with final grade and list of examinations taken with the relevant marks;
 - for graduating students, self-certification of enrolment in a degree programme with the list of examinations taken and the relevant grades, or in a foreign academic programme with the examinations taken and the relevant grades;
 - certification of any further qualifications such as Specialising Master's Programmes and specialisation programmes obtained in Italy and/or abroad, with a list of the examinations taken with the relative marks and a copy of any other qualification considered useful for assessment purposes;



- a copy of any publications deemed useful for the assessment.

In order to be evaluated for admission to the PhD programme, candidates must also send, by the deadline of the call for applications, Tuesday July 30st 2024, by *e-mail* to the PhD Office (dottorati.ricerca-rm@unicatt.it) and to the Programme Coordinator (valerio.destefano@unicatt.it) both their *curriculum vitae* and their research project with abstract.

Assessment procedure:

The assessment for admission to the PhD programme is based on the following elements:

Element (a): *Curriculum vitae* and other qualifications;

Element (b): Research project;

Element (c): Interview with the Selection Committee.

The assessment is based on a scale of 0 to 70 points awarded according to the following criteria:

- elements (a) and (b) are rated from 0 to 20 points each. Only candidates scoring a total of 30 points are admitted to the interview. The results of the assessment of elements a) and b) will be visible on the webpage: <https://progetti.unicatt.it/progetti-ateneo-roma-esiti-prove-concorsuali-results-competition-tests#content>;

- element (c) is rated from 0 to 30 points. The interview, in Italian or English, is aimed at discussing the candidate's motivation and project and answering questions from the selection committee.

The final ranking is the result of the sum of the scores obtained in elements a), b) and c).

Candidates are only admitted to the PhD programme if they obtain at least 20 points in the interview and in order of ranking according to the number of available places.

Schedule of tests:

Interview: Friday, September 6th 2024, 8.00 a.m., in Room 994, located on the 9th floor of the Policlinico Agostino Gemelli - Largo Agostino Gemelli, n.8- 00168- Rome.

In any case, the commission reserves the right to conduct the oral test by videoconference, according to the instructions that will be communicated to all admitted candidates.

Candidates unable to attend the oral test at the venue may request, by the deadline of the announcement, to take the oral test electronically on the Microsoft Teams platform, by sending an email to valerio.destefano@unicatt.it with the reason for the request.

The candidate can be excluded if it cannot be found on the agreed day and time.

Università Cattolica del Sacro Cuore shall bear no responsibility if any technical reasons prevent the effective conduction of the interview.

Merit ranking:

The admission rankings for the oral tests will be published starting from Wednesday 7th August 2024.



Art. 2
Scholarships ex d. m. 630/24

Further scholarships will be awarded within the framework of this call - pursuant to m.d. 630/24, as detailed in *sub1* - from the National Recovery and Resilience Programme (PNRR).

Participation in the competition for scholarships only is not permitted pursuant to m.d. 630/24 to those enrolled in a medical specialisation school.

In the event of waiver of the scholarship, continuation of one's career will not be permitted; therefore, waiver of the scholarship will be understood as a withdrawal from studies.

Scholarships may not be awarded to those who gave up their doctorate and scholarship in cycles 38 and 39

The availability of scholarships is based on the following types:

- M.D.630/24: scholarships provided within innovative PhD pathways that meet the innovation needs of the companies and regional areas concerned.

Candidates who are awarded scholarships pursuant to m.d. 630/24, undertake to:

- spend study and research periods in companies or research centres of a minimum of 6 months and a maximum of 18 months;
- spend periods of study and research abroad of a minimum of 6 months and a maximum of 12 months.

Art.3
Admission requirements

Admission to the PhD programme is open, with no age or nationality restrictions, to those who hold a specialised or graduate degree, or a degree awarded in accordance with the teaching regulations prior to the entry into force of Ministerial Decree 3 November 1999, N. 509, as amended and supplemented, or a suitable foreign qualification.

Unless otherwise specified, applications may also be submitted by those who will obtain the qualification, in Italy or abroad, referred to in the first paragraph by October 31st 2024.

Art.4
Application form

Those wishing to take part in the competition must submit their applications to the Magnificent Rector of Università Cattolica del Sacro Cuore by the peremptory deadline of Thursday, July 30st 2024, until 2 p.m. (local time).

To apply for the competition, you need to go to: <https://progetti.unicatt.it/progetti-ateneo-bandi-e-concorsi-roma#content> and follow the *online* application procedure only.



Each application may refer to only one PhD programme. Candidates wishing to take part in more than one PhD competition must submit several applications, enclosing the necessary documentation for each one, without prejudice to the possibility of overlapping the date of the admission examination for the PhD programmes that are being advertised.

In the application, available in Italian and English, applicants should register and activate their nominal account by selecting the category corresponding to their profile.

In the case of registration as a new user, the registration procedure must be carried out by entering all the required information, paying particular attention to the mandatory fields marked with an asterisk.

Registration provides access credentials (Nominal account).

For the activation of their nominal account, each user will receive instructions by e-mail at the e-mail address indicated during registration.

The information provided during registration is used exclusively for activities related to selection for admission to PhD programmes. All information is retained for five years after the candidate's registration.

To continue with registration for the competition, you must proceed to change your password, following the instructions received by e-mail.

In the Competition Registration section, candidates must fill in the following information under their own responsibility:

Competition Ranking Section

Select the admission competition for the PhD programme in which you wish to participate and indicate where required whether you are interested in a place on the general list or other targeted scholarships.

Language Preference Section

Indicate two options, indicating as first choice the mother tongue and, as second option, the preferred foreign language for the oral test.

Personal Data Section

The data entered during registration will be displayed.

- Personal data: in order to make changes to personal data, it is necessary to send an e-mail to dottorati.ricerca-rm@unicatt.it, specifying what is required.
- Residence and Domicile Data: they can be changed directly by the user.

Section Title of Study

For university graduates, enter the qualification held, as well as the date and university at which it was obtained or the academic qualification obtained abroad;

For graduating students: the academic qualification you intend to obtain, the probable date and university where it will be awarded, or the academic qualification you intend to obtain abroad, as well as the university and the probable date when it will be awarded.



Competition entry summary section

Select the 'payments' button and the relevant invoice number associated with the competition entry fee.

Select your preferred PagoPA mode for the payment of Euro 100.00 as the participation fee for the selection according to the path described in the guide available at the following link: Payment via PagoPA | Università Cattolica del Sacro Cuore (<https://studenticattolica.unicatt.it/contributi-e-agevolazioni-pagamento-tramitepagopa>).

Payment constitutes the completion of the procedure and must be made by the deadline of this notice.

The competition fee is not refundable under any circumstances.

Titles and Document Management Section

The following *.pdf* documents must be attached to continue the application:

- *curriculum vitae*;
- duly signed identification document;
- in the case of qualifications obtained abroad, attach the equivalence or declaration of value;
- further documentation where specifically requested;

Candidates undertake to notify the Commission without delay of any change in their place of residence or address for the purposes of the competition.

The university administration accepts no responsibility for the non-receipt of communications due to inaccurate information on the candidate's residence and domicile or failure or delay in communicating any change thereof, nor for any postal errors through no fault of the administration itself.

The University reserves the right to adopt, even after the competition tests have been held, measures for the exclusion of candidates who do not meet the requirements or who have not complied with the provisions of the notice of competition.

Candidates with disabilities, for the sole purpose of the competition, must specify in their application the aid they need in relation to their disability, pursuant to Law no. 104 of 5 February 1992.

Research Line Section

In order to be able to indicate the line of research you are interested in, you must fill in the questionnaire, otherwise the application will not be considered valid.

At the end of the procedure, each candidate will be assigned a numerical identification code (pre-enrolment), which will be used to identify their position in the ranking list.

Art. 5

Selection board

The Rector, on the proposal of the Board of professors, shall appoint by decree the Commission for admission to the PhD programme, composed of three tenured professors,



to which no more than two experts, including foreign ones, may be added, chosen from among public and private research bodies and structures, ensuring, where possible, a balanced representation of women and men. In particular cases, adequately justified, related to the articulation of the PhD programmes in directions or curricula, more than one Selection Committee may be set up, i.e. a Selection Committee consisting of up to five tenured professors.

The composition of the selection committees will be published after the deadline at <https://progetti.unicatt.it/progetti-ateneo-roma-commissione-esaminatrice-examination-board#content>.

Art.6

Competition test modalities

The candidates will be admitted to the PhD programme, unless otherwise specified, in order of ranking until the number of places available for the PhD programme has been filled. In the event of any eligible candidates dropping out before the start of the PhD programme, they will be replaced in accordance with the order of the ranking list. In the event of successful placement in several rankings, the candidate must exercise the option for only one PhD programme.

Unless otherwise specified, research scholarship recipients may be admitted to the PhD programme in supernumerary numbers, without holding a scholarship, while retaining their research scholarship, subject to passing the admission tests, provided that the PhD programme they are attending relates to the same scientific area of research for which they are scholarship recipients.

Art. 7

Admission to PhD programmes

As of Wednesday, September 18th 2024, the final merit rankings will be visible by accessing your personal competition registration page.

Such notification shall have the value of an official communication. Therefore, candidates will not receive any direct communication by *e-mail* or regular mail regarding the rankings.

Successful candidates will be admitted to the PhD programme in the order of their ranking and up to the number of places available for each PhD programme.

To avoid forfeiture, the winners of the competition must, within 7 calendar days of the publication of the final rankings, confirm their acceptance of the place by means of the online procedure used to register for the selection and upload the following documents in the online procedure

- application for enrolment in the PhD programme;
- declaration of enrolment in another university programme (non-health area specialisation school, health area specialisation school, postgraduate programme, Italian university graduate degree programme or other university programme of study);
- a passport photo;
- Fiscal Master Form (MAF);



- Proceed with the payment of the first instalment of university fees and contributions. Payment must be made through the PagoPA circuit and is to be made at the same time as finalising the registration procedure, at any bank (even *online* if your bank allows it).

In the event of difficulties accessing the online system, please refer to the instructions on the dedicated web page (<https://progetti.unicatt.it/progetti-ateneo-sede-di-roma-modulistica-per-i-dottorandi-immatricolazione#content>) and send via pec, to the following address dottorati-rm@pec.ucsc.it the required documents.

The research programme must be submitted to the PhD secretariat by 31 October (<https://progetti.unicatt.it/progetti-ateneo-programma-di-ricerca.pdf>).

By November 22nd 2024, Form 2 must be completed. The documentation must be downloaded, printed out and signed by the Co-ordinator (or by the responsible professor delegated for this purpose) of the PhD programme in which the PhD student is enrolled. To complete the procedure, please send the form by e-mail to: Prevention and Protection Service (ser.sicurezza-rm@unicatt.it).

Should any eligible candidates withdraw, they will be replaced by an equal number of eligible candidates in the order of the ranking list, who will be notified by *e-mail*.

Art. 8

Joint attendance with a health-related specialisation school

Doctors in specialised training who are enrolled in the final year of a specialisation school in the health area at the time of winning the PhD competition are allowed to attend a PhD programme run by Università Cattolica jointly, in accordance with the regulations in force. During the year of joint attendance, the doctor in specialised training cannot receive the PhD scholarship.

Joint attendance is not envisaged for scholarships under Art. 2 paragraph 2 of this notice.

Art.9

Scholarships and contributions

The amount of the fees required for access and attend PhD programmes activated at Università Cattolica is determined annually by the University Board of Directors.

PhD students enrolled in the XL cycle are required to pay annual fees of €1.516,00 (including virtual stamp duty), to be paid in three instalments, the first of €516,00, at the time of enrolment or renewal of enrolment, the second by the end of February and the third by the end of July each year, of €500,00 each.

Receipt of a scholarship for attending a PhD programme is compatible with other



income, including income received continuously in the calendar year in which the scholarship is received, provided that it does not exceed the amount established for the scholarship. If the (gross) income limit is exceeded, the scholarship is cancelled for the entire year in question. For the purpose of verifying the limit set, the person concerned is required to declare annually the income received and to report any exceeding of the prescribed limit and to repay the amount received during the fiscal year when the income exceeded the amount of the scholarship.

Scholarships are awarded for one year and are renewed on condition that the PhD student has completed the programme of activities planned for the previous year.

The amount of the scholarship, paid in monthly instalments, is € 16.243,00 per year, gross of social security charges. The scholarship is subject to the payment of INPS social security contributions under separate management pursuant to Article 2, paragraph 26 of Law no. 335 of 8 August 1995, as amended. The scholarship is exempt from paying local income tax and personal income tax (IRPEF).

This amount is increased by a maximum of 50% for a total period not exceeding 12 months if the PhD student is authorised by the board of professors to carry out research activities abroad. The period may be extended up to an overall maximum of eighteen months pursuant to Art. 9, para. 3 of M.D. 226/21.

As of the first year, each PhD student, with and without a scholarship, is guaranteed a budget of 10% of the gross annual amount of the scholarship, i.e. € 1.624,30, for research activities in Italy and abroad.

A PhD scholarship cannot be awarded to anyone who has previously received it, even partially.

Art.10 Public employees

Current legislation on leave of absence or special leave applies to public employees admitted to the PhD programme.

Public employees (Italian Public Administration), in the event of a useful position in the final ranking, who would keep their salary (pursuant Italian Law no. 476 of 13 August 1984) may apply for all positions except those with scholarships funded ex m.d. 630/24 and for the scholarship funded by Menarini Steamaline.

Art. 11 Acts and documents drafted in a foreign language

Acts and documents drawn up in a foreign language must be translated and legalised by the competent Italian diplomatic or consular representations abroad and must comply with the provisions in force in the State in question.

Art. 12 Rights and duties of PhD students

PhD students are required to regularly follow the activities envisaged for their training and to devote themselves with full commitment to individual and guided study



programmes and to carrying out the research activities assigned by the Board of professors.

PhD students are also required to read the Code of Ethics of Università Cattolica and to respect its principles and aims.

Art.13

Public disclosure

This notice is published on the website of Università Cattolica del Sacro Cuore at: <https://progetti.unicatt.it/progetti-ateneo-bandi-e-concorsi-roma#content>, on the European *Euraxess* website and on that of the Ministry of Education, Universities and Research.

Art.14

Final Provisions

For all matters not expressly provided for in this notice, the provisions of Rector's Decree No. 8347 of February 16th 2022 shall apply: "Amendments to the 'Regulations for PhD programmes and PhD Schools at the Università Cattolica del Sacro Cuore'" and current regulations.

Further information can be obtained from the PhD Office, telephone 063015.4958, email: dottorati.ricerca-rm@unicatt.it or on the website: <https://progetti.unicatt.it/progetti-ateneo-bandi-e-concorsi-roma#content>.

The person in charge of the procedure for this notice is Dr Patrizia MELI, Head of Specialising Courses and Doctorates, Largo F. Vito 1, 00168 Rome.





UNIVERSITÀ
CATTOLICA
del Sacro Cuore



Finanziato
dall'Unione europea
NextGenerationEU

ANNEX *sub* 1 Rectoral Decree no. 11612 of 10th June 2024

Allocation resources under the National Recovery and Resilience Programme (PNRR) to accredited pathways in the XL cycle

PhD Programme in HEALTH SYSTEMS AND SERVICE RESEARCH

(Coordinator: Prof. Giuseppe ARBIA)

Duration: 3 years

Places with scholarship pursuant to m.d. 630/24 (CUP J53C24001190001):

- no. 3 scholarships for the realisation of the research project on " Innovative proposals for the application of national appraisal HTA applied in the pricing and reimbursement processes of health technologies in Italy", co-funded by 'Altems Advisory', Rome;

PhD programme in EXPERIMENTAL AND TRANSLATIONAL MEDICINE

(Coordinator: Prof. Ornella PAROLINI)

Duration: 3 years

Places with scholarship pursuant to m.d. 630/24 (CUP J53C24001200001):

- no. 1 scholarship for the realisation of the research project on "the efficacy and safety of intra-articular injections of hyaluronic acid combined with instrumental physical therapy in the treatment of hip osteoarthritis, co-fundend by "Officine ortopediche S.r.l."";
- no. 1 scholarship for the realisation of the research project on "Treatment of shoulder tendinopathies using focal shock waves and hyaluronic acid infiltrations" co-fundend by "Officine ortopediche S.r.l."";
- no. 1 scholarship for the realisation of the research project on "Innovative Diagnostic Tools for Assessing Homologous Recombination Deficiency in gynecological cancers" co-fundend by "Diatech Pharmacogenetics S.r.l."".

PhD programme in NEUROSCIENCE

(Coordinator: Prof. Paolo CALABRESI)

Duration: 3 years

Places with scholarship pursuant to m.d. 630/24 (CUP J53C24001210001):

- no. 1 scholarship for the realisation of the research project on "Analysis of the Pathogenetic Mechanisms of Autoimmune Neurological Diseases Associated with Autoantibodies through Organoids on a Chip and Microfluidic Platforms" within the framework of the "Innovative Doctoral Programmes responding to the Innovation Needs of Enterprises", co-funded by "React4Life S.r.l.";
- no. 1 scholarship for the realisation of the research project on "Etiopathological investigation in acute phase stroke patients: retrospective analysis of demographic, clinical, neuroradiological and neuropathological data" within the framework of the "Innovative Doctoral Programmes that respond to the innovation needs of enterprises", co-funded by "BAYER S.p.a.";
- no. 1 scholarship for the realisation of the research project on "Innovative technologies in spinal cord stimulation for the control of chronic neuropathic pain" within the framework of the "Innovative Doctoral Programmes that respond to the innovation needs of enterprises", co-funded by "Abbott Medica S.r.l."

PhD programme in CELLULAR AND MOLECULAR CLINICAL RESEARCH
(Coordinator: Prof. Luca RICHELDI)

Duration: 3 years

Places with scholarship pursuant to m.d. 629/24(CUP J53C24001220001):

- no. 1 scholarship for the realisation of the research project on "Clinical and molecular analysis of mechanisms of inflammation and remodelling in acute post-myocardial infarction: repurposing of drugs already in use and identification of new therapeutic targets" within the framework of the "Innovative Doctoral Programmes that respond to the innovation needs of enterprises", co-funded by "SANOFI S.r.l."

PhD programme in BASIC BIOMEDICAL SCIENCES AND PUBLIC HEALTH
(Coordinator: Prof. Maurizio SANGUINETTI)

Duration: 3 years

Places with scholarship pursuant to m.d. 630/24(CUP J53C24001230001):

- no. 1 scholarship for the realisation of the research project on "Study of the efficacy of an essential oil-based formulation in the sanitisation of confined environments for the containment of the spread of opportunistic fungal infections in fragile patients on critical wards" within the framework of the "Innovative Doctoral Programmes that respond to the innovation needs of enterprises", co-funded by "R&P company S.r.l."

PhD programme in SCIENCES OF NUTRITION, METABOLISM, AGEING AND GENDER PATHOLOGIES
(Coordinator: Prof. Alfredo PONTECORVI)



Duration: 3 years

Places with scholarship pursuant to m.d. 630/24 (CUP J53C24001240001):

- no. 1 scholarship for the realisation of the research project on “Comparison of effects of liquid and solid thyroxine on microbiota” within the framework of the “Innovative Doctoral Programmes that respond to the innovation needs of enterprises”, co-funded by “IBSA farmaceutici Italia S.r.l.”;
- no. 1 scholarship for the realisation of the research project on “Role of acute hypothyroidism and effects of hormone substitution therapy with thyroxine on microbiota” within the framework of the “Innovative Doctoral Programmes that respond to the innovation needs of enterprises”, co-funded by “IBSA farmaceutici Italia S.r.l.”

