

COMPETITION NOTICE FOR ADMISSION TO RESEARCH DOCTORATE COURSES XXXVII CYCLE in application to Ministerial Decree 1061/2021

Accademic Year 2021/2022

DEADLINE FOR APPLICATION: 18th OCTOBER 2021 AT 01 pm (Italian time)

Issued with Rector's Decree 1710/2021 Prot. n. 245582 – 30.09.2021

ARTICLE 1 - PURPOSES OF THE ANNOUNCEMENT AND GENERAL RULES

Public competitions are held at the University of Parma, for qualifications and exams, for admission to the XXXVII cycle – academic year 2021/2022 in application to Ministerial Decree 1061/2021 of the courses of research doctorate listed below:

1. **BIOTECHNOLOGY AND LIFE SCIENCE**
2. **PHYSICS**
3. **CIVIL ENGINEERING AND ARCHITECTURE**
4. **INDUSTRIAL ENGINEERING**
5. **MOLECULAR MEDICINE**
6. **MATERIALS SCIENCE AND TECHNOLOGY** (in agreement with C.N.R. - The Italian National Research Council)
7. **CHEMICAL SCIENCES**
8. **FOOD SCIENCE**
9. **DRUGS, BIOMOLECULES AND HEALTH PRODUCTS**
10. **EARTH SCIENCES**
11. **PHILOLOGICAL-LITERARY, HISTORICAL-PHILOSOPHICAL AND ARTISTIC STUDIES**
12. **TRANSLATIONAL MEDICAL AND SURGICAL SCIENCES**
13. **VETERINARY SCIENCES**
14. **INFORMATION TECHNOLOGIES**

The Research Doctorate programs have a three-year duration starting from 1st January 2022.

This announcement establishes n. 50 additional three-year scholarships co-financed with funds on Axis IV "Education and research for recovery" - Action IV.5 - "Doctorates on Green issues of the PON R&I 2014-2020" and n. 5 additional three-year scholarships co-financed with funds on Axis IV "Education and research for recovery" - Action IV.4 - "Doctorates and research contracts on innovation topics". The actual assignment of the aforementioned scholarships is subject to the actual assignment of all the ordinary scholarships provided for in the call for access to the XXXVII cycle doctoral courses issued with DR 1393 of 23/07/2021. and verification of eligibility for support from the PON "Research and Innovation" 2014-2020 of the scholarships selected and awarded by the University of Parma which will be carried out by the MUR - General Secretariat - Directorate General for Research as required by art. 3 paragraph 5 of the D.M. 1061/2021

For each of the above-mentioned courses, research topics, vacancies, admission requirements, procedures and criteria for the selection and assessment of candidates are specified in the forms attached, which are an integral part of this announcement.

Available positions shall be assigned based on the score lists as per Article 8 of this public Announcement and available on the page <http://www.unipr.it/didattica/post-laurea/dottorati-di-ricerca>.

UNIVERSITÀ DI PARMA

Via Università, 12 - 43121 Parma

www.unipr.it

This announcement is to be considered an official notification.

Any change and integration shall be published exclusively on the web site:
<http://www.unipr.it/didattica/post-laurea/dottorati-di-ricerca>.

This announcement is available in Italian and English in accordance with Italian laws and regulation on Ph.D. qualifications and the University of Parma's regulation.

ARTICLE 2 - ADMISSION REQUIREMENTS

Irrespective of their age and citizenship, all candidates may apply to participate in the competitive examination for admission granted that they hold one of the following:

- "*laurea magistrale*" or "*laurea specialistica*" [Italian academic degree equivalent to a Master's Degree] or "*laurea*" attained pursuant to the university degree system applicable before Italian Ministerial Decree No. 509 of 3 November 1999, came into force, as amended with Italian Ministerial Decree No. 270 of 22 October 2004, as well as second-level degrees equivalent to the above;
- an academic degree attained abroad, granted that it is comparable in terms of duration, level and, where possible, in terms of branch of learning, to the Italian degree allows admission to the Doctorate program, and recognized as eligible for the participation in the competitive examination only, pursuant to Article 3 below.

For each Research Doctorate program, the forms attached hereto specify the type of academic degree required to participate in the competitive examination and any other additional requirements.

Candidates that already hold a research doctoral degree may be admitted to attend, granted that the selection tests are sat and passed, another research doctorate program without any scholarship coverage.

In compliance with the terms set down in Article 5 below, **graduands** may also apply for admission, granted that they actually graduate and attain the degree required for admission **no later than 31 October 2021**, under penalty of exclusion. The candidates that have been admitted as graduands shall communicate no later than 2 November 2021, to the "UO Formazione Post Lauream" [PhD Office] via e-mail to the following address dottorati@unipr.it, the date, the final mark achieved and the University that issued the relevant academic degree, by sending a self-certification, dated and hand-signed, with a copy of a valid document.

ARTICLE 3 – ACADEMIC DEGREE ATTAINED ABROAD

The eligibility of foreign academic degrees shall be verified by the Examination Board in charge of admission, in compliance with the applicable legislation in Italy and in the Country where the academic degree has been issued, as well as in compliance with any international agreements or treaties concerning the recognition of educational degrees for higher education.

The admission application that is filled in online shall entail an implicit request to assess the eligibility of the academic degree attained abroad. To this end, candidates must submit the following documents to their application:

- a) a certificate of their academic degree listing the exams sat and passed with the relevant mark, specifying the minimum and maximum vote provided for in the educational system of your country. EU citizens may use a statutory declaration in lieu of the certificate, pursuant to Italian Presidential Decree No. 445/2000 as amended;
- b) translation into English of the certificate as per item a), signed by the candidate under his/her responsibility, only where this document is not originally in English;
- c) any other documents as useful to assess the academic degree eligibility (Diploma Supplement, etc.)

a certificate of academic qualification with the list of the examinations and the relative voting, specifying the minimum and maximum vote provided for in the educational system of your country

In case they win the competitive examination, candidates holding an academic degree attained abroad shall be admitted conditionally and shall hand in the "dichiarazione di valore in loco del titolo posseduto" [declaration of local value of the degree held] and the certificate of such degree setting forth the exams and marks, translated and certified by the Italian diplomatic representation or consulate in the Country where the institution that issued the degree is based. The declaration of value shall certify that the held degree is valid in the Country where it was attained for admission to an academic program similar to a Research Doctorate.

If the above "dichiarazione di valore in loco" is not available at the time of matriculation, a document shall be provided giving evidence that the application for its issue has been submitted to the competent diplomatic representation and the "dichiarazione di valore" shall be turned in as soon as possible.

ARTICLE 4 – QUALIFICATIONS

Candidates shall submit the following **mandatory documentation** for admission to all Research Doctorate Programs dealt with in this announcement:

1	Curriculum Vitae et studiorum	Preferably in European format and including a brief description of the topics of the degree thesis. It can also be written in English. Check in the forms of the single courses if a specific articulation is required (language and/or format).
2	Abstract of the second cycle Master's degree thesis	Abstract of the second cycle Master's degree thesis. Undergraduates applicants may submit the <i>draft</i> of the thesis approved by their supervisor (<i>Abstract/draft</i> : approximately 10,000 characters including spaces)
3	Documents attesting that the applicant holds both the necessary first and second level degrees. 1. university that has awarded the degree 2. type of degree awarded, whether second level master degree/single cycle' second-level degrees/pre-reform degree 3. denomination of the degree awarded 4. "Classe di Laurea" (only for degree awarded in Italy) 5. date in which the degree has been awarded 6. final mark 7. academic transcript of records, including the full	Graduate candidates: 1. applicants granted of the above academic degrees by Italian Universities must submit a self-certification, duly filled and signed, attesting the completion of their studies (both the first and second level master' degree); 2. applicants awarded by the above academic degrees by other foreign Universities must submit a certificate attesting the completion of their studies (i.e. first and second level master' degree), and the transcript of records. The latter must include the full list of the exams taken and the related marks. In

	list of the exams taken and the related marks	<p>case of documents drawn up in languages other than Italian or English, the official translation in Italian/English of both the documents is required. Only official translations issued by the University which has awarded the degree or by other competent authorities in the State in which the title has been awarded shall be accepted.</p> <p>Applicants holding a degree awarded in the other EU Member States can submit a self-certification (see previous point) or the Diploma Supplement as an alternative to the certificate.</p>
4	<p><i>For applicants who are yet to obtain their second cycle degree by the date they apply:</i></p> <p>Academic transcript of records, including the full list of the exams taken and the related marks. Please also indicate the related CFU or ECTS (if provided by education system of the Country in which the degree will be awarded). The record must include the "<i>media ponderata dei voti degli esami</i>" (Weighted Average Mark WAM), <u>only for graduate students enrolled in Italian Universities</u></p>	<p>To calculate the media ponderata (the weighted average mark, only for graduate students enrolled in Italian Universities):</p> <ol style="list-style-type: none"> 1. Multiply the marks obtained by the number of CFUs (please, note that 30 with honours is regarded as 30); 2. Add all the obtained results; 3. Divide the result by the total of the CFUs.
5	Research project	<p>Candidates must attach a research project for each scholarship with a specific topic of interest according to the specific indications contained in the cards of the individual courses attached to this announcement.</p> <p>Candidates wishing to participate in the competition for several restricted research topics must submit a single application, attaching a specific research project for each topic of interest.</p>

According to current legislation, the University must reject certifications issued by other Italian public administrations. Therefore, academic degrees must be attested only using self-certification if awarded by Italian public universities.

To <http://www.unipr.it/didattica/post-laurea/dottorati-di-ricerca> page applicants may download a self-certification fac-simile to be used in the case the academic qualifications held has been awarded by an Italian public university.

In circumstances where following an assessment of the documents submitted the academic qualification held does not meet the requirements set by art. 2 of the present Call or the statements made are untrue; the University is entitled to issue a Rectoral Decree excluding the applicant by the selection procedure or by the PhD Programme. Such an exclusion can be established at any point during the selection procedure, even after the enrollment has been completed.

The forms attached hereto also specify other optional documents as provided for by each Research Doctorate program, of which a copy shall be attached to the application online for assessment purposes. **All titles written in a language other than Italian will have to be translated into English, otherwise they will not be evaluated.**

All documentation shall be submitted in accordance with Article 5 below.

ARTICLE 5 - APPLICATIONS FOR ADMISSION

Candidates may register for selection **from 05th October 2021, 12.00 pm (Italian time) to 18th October 2021, 1.00pm (Italian time, final deadline)**. Candidates must register electronically, by connecting from any PC with Internet access to the University website <https://unipr.esse3.cineca.it/Home.do>, having at hand their identification document, Tax ID Code and the PC connected to a printer.

The candidate must:

Go to the website <https://unipr.esse3.cineca.it/Home.do>;

- Register by entering the required data (or simply login if already registered);
- Click on the course chosen from REGISTRAR'S OFFICE menu > Entrance Exam > "Concorsi ammissione/corsi ad accesso cronologico";
- Proceed with completing the online application, submitting the required information, attaching the necessary documents required by Article 4 (in addition to the requirements of each course), exclusively in **pdf-format** (maximum size limit of 5Mb for each attachment). The file will have to indicate the name of the candidate, for example: `cognome_nomefile.pdf`. It is also mandatory to attach a scanned version of ANNEX A "ADMISSION TO RESEARCH DOCTORATE COURSES" and a scanned valid ID of the applicant.

To properly loading the documents, please **follow the instructions** to <http://www.unipr.it/didattica/post-laurea/dottorati-di-ricerca> page.

The completed online application, accompanied by the ANNEX A, must contain the candidate's personal details, address and possibly a telephone number and an email address, for the purposes of the competition, as well as citizenship.

In annex A candidates must indicate:

- the exact denomination of doctoral program;
- indication of the chosen **Research Topics** selected from among those indicated in the forms of the
single courses;
- the type of degree obtained (or to be obtained), the name of the University awarding the degree, the graduation date and the final grade.

To this end, candidates shall provide a certificate stating that the submitted documentation is identical to its original, under their responsibility and pursuant to Articles 46 and 47 of Italian Presidential Decree No. 445 of 28 December 2000, aware of forfeiture of any benefits obtained, as well as of the criminal penalties provided for by Articles 75 and 76, respectively of the above Decree, for false declarations and for forgery or use of forged documents.

The candidates with online application declare:

- a) that they undertake to ensure attendance of the doctorate program based on the instructions given by the Program Board;
- b) that they are not enrolled in postgraduate Specialty Schools or in courses of studies for Laurea or Laurea Specialistica/Magistrale, in University Master's Degree courses or, should they be enrolled in the above courses, that they undertake to suspend attendance/enrolment, or that they are enrolled in the Postgraduate Medical Specialty School at the same training center (in the latter case attaching a copy of the authorization given by the School Board to enrol in the specific doctorate program);
- c) that they do not hold a research doctor qualification or that they already hold a research doctor qualification specifying the doctoral title in their possession (in the latter case, the winner of the competitive examination shall not be entitled to any scholarship, pursuant to Article 6 of Italian Law No. 398/1989 and to Article 5 of the University Regulation for the attainment of the research doctorate title);
- d) that they have never benefited and they are not benefiting from any scholarship for a doctorate program.

Candidates suffering from impairments or learning disabilities may express their specific needs, by filling in form A38-1 or form A39-2, which can be downloaded from the website <https://www.unipr.it/didattica/info-amministrative/modulistica>, and by including such form in their application for registration. The form, filled in and signed, shall be sent via e-mail to the address: dottorati@unipr.it.

At any time, until the call expires, the candidate will be able to access his / her application to integrate or modify the data and attachments inserted.

The submission of the application to the University shall be completed automatically at the end of the procedure. Therefore, candidates do not have to deliver or send any printed material to the offices. Through the online procedure candidates must also attach the documents proving the qualifications required for the admission to the PhD course chosen.

No other modes of presentation of qualifications will be accepted, other than online.

Please note that at the end of the online competition admission procedure, no payment slip will be issued as there is no admission fee for the competition

Applications sent before 18th **October 2021, 1.00 pm (Italian time)** that are incomplete in the compilation and/or in the attachments required, will be excluded.

Applications that are incomplete, irregular or not submitted in the manner and within the terms specified in this article will not be accepted.

The deadline ends above is peremptory and, at its expiry, the computer system will no longer allow to conclude and send the application. The presentation date and time are certified by the IT system.

In any case, additions to the documentation attached to the application will not be admitted after the deadline of the call, with the exception of those requested by the University.

Candidates intending to participate in the competitive examination for more than one doctorate programs shall submit more than one application, attaching the required documentation to each one of them.

In case the attached forms require research topics for the chosen Doctorate program, **candidates shall set forth the specific topic chosen in their application for admission in Annex A.**

Candidates are strongly encouraged to complete their application well in advance of the deadline, in order to avoid any possible crashing of the IT system and subsequent failure of the application process – due to the high number of last-minute applicants. For this purpose, a receipt confirming submission of the applications and containing all details can be printed out.

Request for password recovery cannot be processed if received on very short notice, close to the deadline.

It is the candidates' responsibility to verify the correct conclusion of the procedure and the correct loading of all the documents. No claims will be accepted for any malfunctions of the computer system due to excessive load in proximity to the deadline.

ARTICLE 6 - ADMISSION EXAMINATION

Admission shall be based on a competitive examination consisting in assessment of qualifications and, possibly, of tests. In addition to the assessment of qualifications and/or the research project, the procedures for the comparative assessment, aimed at verifying the candidates' abilities and skills for scientific research may consist in a public oral exam.

The oral exam will take place in the presence. At the request of the candidate, the oral exam can be taken remotely using the **Microsoft Teams platform**. Applicants are responsible for providing adequate audio and video equipment for the use of this platform. Should the emergency epidemiology from COVID-19 undergo changes, the face-to-face oral exam provided for the specific course will be replaced with the remote one using the same platform.

The selection procedures and the assessment criteria for the admission to the PhD Programmes are described in the PhD Programme Tables in attachment, which form an integral part of the present Call for applications. Such Tables are also available in the webpage listing the PhD Programme available on the website <http://www.unipr.it/didattica/post-laurea/dottorati-di-ricerca>

The publication on the web of the above schedule shall amount to formal notification for all purposes convening candidates for the exams, if any. Therefore, candidates shall present themselves, **with no notice or communication whatsoever required regarding admission exams**, at the examination venue, on the day and at the time set forth in the above forms, with an identity document that has a photograph of the holder, is valid and has been issued by a State Body, **under penalty of exclusion**.

Only and exclusively where so provided in the Form relating to the chosen doctorate program, the exam may be held in a language other than Italian.

The Examination Board may award a total of 120 points. The breakdown of points of the single exams, including the minimum requirement to be admitted to oral exam, is set forth in the forms relating to the single doctorate programs.

To qualify a total score not lower than 70 points shall be required. The final score shall be the sum of the points obtained in the assessment of qualifications and in the single oral exams.

The Examination Board will express a suitability assessment for the allocation of the scholarship linked to specific topics, taking into account the specific skills, experiences and aptitudes of the candidates and the specific research project .

The expression of interest must be presented by filling in the section dedicated to it in the Annex A Form and confirmed during the Oral Exam before the interview begins.

Candidates must view the results of the single exams and the outcome of the final long-listing by accessing the reserved web page of online students' office services from the University website <https://unipr.esse3.cineca.it/Home.do>. The results of the evaluation of the qualifications will be displayed a few days before the date scheduled for the oral exam.

Special provisions for the remote oral test:

The candidates intending to take the oral exam remotely must attach to the online admission application the form "**REQUEST FORM FOR DISTANCE ORAL EXAMINATION**", filled in and signed, specifying the e-mail address that will be used by the Examination Board for the video call. The candidate must be available at the personal address, previously communicated, on the day set for the oral exam, in accordance with the schedule included in the Form relating to the relevant Doctorate program, guaranteeing the use of a webcam to allow his/her identification. The Examination Board may decide to agree with the candidate on a precise time for the beginning of the interview.

To take the distance oral exam, candidates must connect to the Teams session using the link that will be sent to the e-mail indicated in the "REQUEST FORM FOR DISTANCE ORAL EXAMINATION".

For identification purposes and **under penalty of exclusion from the selection procedure**, each candidate shall identify him/herself, before the interview begins, by showing the same identity document a copy of which has been attached to the application for participation in the competitive examination.

In the event a candidate fails to communicate his/her personal address, fails to connect, or is not available on the day and at the time as agreed, or fails to show a valid identity document, pursuant to the previous paragraph, all these shall be grounds to exclude such candidate from the selection procedure.

These causes of exclusion do not apply if the candidate, with a valid identification document, presents him/herself on the day set for the interview in order to sit the oral exam "in person".

Technical connection problems during the remote oral exam:

- a) in the event that the connection problem concerns one or more committee members, the interview is postponed ex-officio to another date of which will be given appropriate and adequate publicity;
- b) in the event that the connection concerns the candidate admitted to the interview, the committee may reasonably postpone the interview to another date, in compliance with the principles of non-discrimination and equal treatment between the candidates that will be given appropriate and adequate communication

The acceptance of any requests to take the oral exam at a distance received after the expiry of the competition will be judged discretionally by the Examination Board, taking into account the particular

needs expressed by the candidate who may go to preclude the possibility of taking the oral examination in attendance.

The University of Parma shall not be responsible for any technical causes which prevent the oral interview from being carried out regularly.

Each Examination Board, after completing the selection of candidates, will draw up the single merit list, which will be approved by the Rector's Decree. The Examination Board will be able to express a differentiated judgment for each individual post/scholarship also in relation to specific skills required for conducting research on a specific topic.

The Examination Board and the Academic Board are not bound by any options expressed by the candidates nor by project presented during the competition.

ARTICLE 7 – EXAMINATION BOARD

Examination Boards shall be appointed by the Rector and composed in accordance with Article 5 of the Regulation concerning Research Doctorate degrees of the University of Parma.

The composition of the single Boards shall be published, before the expiry of the notice, on the University website: <http://www.unipr.it/didattica/post-laurea/dottorati-di-ricerca>.

ARTICLE 8 - ADMISSION TO THE PROGRAMS (Final short-lists)

Successful applicants will be admitted to the PhD programme, after the approval of selection deeds, in line with the ranking list until all positions available are covered, without prejudice to the specific procedures for the awarding of the positions set out in Art. 6 of this call, concerning scholarships dedicated to specific research topics.

Candidates will be able to check whether they have qualified for admission to the chosen Doctorate Program, in the reserved dedicated website area, under the item admission tests, by logging in with the same procedures used to register for the competitive examination on the University website <https://unipr.esse3.cineca.it/Home.do>.

The publication of the short-list on the website shall be the only official publications of the outcomes of the competitive examination and, therefore, **no personal notifications shall be sent to the winning candidates**.

In case a candidate ranks in a winning position in more than one short-list, he/she shall opt for only one Doctorate Program, concomitantly notifying his/her waiver of the other programs.

The choice of the PhD program, carried out at the time of registration **is final and you can not change it** in any way.

Postgraduate students enrolled in a Medical Specialty School at the University of Parma who win the competitive examination for admission to a doctorate program held at the same University may be allowed to attend jointly both programs during the last year of the Medical Specialty School, granted that they are in the last year of the Specialty School at the time of matriculation in the doctorate program, in compliance with the deadlines set down in Article 9 below.

Joint attendance shall be allowed where compatible with the activities and commitment required by the same School, and such compatibility shall be stated by the authorization issued by the School Board. The Doctorate Program Board shall resolve on any request for a reduction in the doctorate program, after assessing the research activities already carried out during the postgraduate medical specialty program as certified by the postgraduate medical specialty school, and may allow enrolment in the second year of the doctorate program. In the year of joint attendance, the postgraduate student may not receive the doctorate program scholarship.

ARTICLE 9 – ACCEPTANCE OF THE POSITION AND MATRICULATION

The winning candidates shall complete a registration before formal matriculation using EXCLUSIVELY the ON-LINE procedure, accessing the page “<https://unipr.esse3.cineca.it/Home.do>” from **3th November 2021, 12.00 pm (Italian time) to no later than 08th November 2021, 12.00 pm (Italian time)** by accessing the reserved dedicated area clicking on students' office/matriculation.

IT WILL NOT BE ACCEPTED OTHER MODES DIFFERENT FROM THE ONLINE REGISTRATION PROCEDURE.

Successful applicants who do not complete the enrolment procedure within the deadline indicated at the bottom of the final ranking list shall be considered having refused their PhD position tacitly.

Before you begin the online registration, the applicant must have:

- A device connected to the Internet;
- A printer;
- A valid ID;
- The Tax ID Code;
- BANK ACCOUNT NUMBER on which pay any scholarship;
- A valid e-mail address (which will be sent confirmation of registration);
- A credit card (unless you plan to use this form of payment, taking into account that commission fees may be applied by each Credit Institute);
- A passport photo.

At this stage, interested parties are required to attach (by uploading) in the data processing system:

1. own passport photo that shows the face in the foreground against a white background in digital JPEG format;
2. scan (front and back) of the personal identification document entered during registration;
3. scan of the Tax ID Code (Foreign nationals without tax code issued by the Entrate Agency will present the photocopy after arrival in Italy).

After the registration before formal matriculation, the candidate must print the enrollment form by including their signature and the date and **no later than 09th November 2021** present the following documentation:

- enrolment form the first year of the PhD program (printed from online procedure) with indication of date and signature, as indicated above;
- receipt proving payment of the tuition fee according to the contributions provided for in Article 12.

Payments made by bank transfer or at the post office are not accepted;

- **scan of your ID (back and front);**
- Declaration attesting the qualifications held (Higher Diploma and Master's Degree / Specialist) for graduates outside the University of PARMA according to the model downloadable from the site;
- photocopy of your valid permit of stay (only for non-UE citizens). Those who do not hold a valid permit of stay must request it **within 8 days from their arrival in Italy**, according to the Italian legislation on Immigration and must have a document proving the insurance coverage for medical treatment and hospitalization.

Scholarship assignees must submit the following forms which can be downloaded from the website:

- **Scholarship Acceptance Form** or **Withdrawal Form** for the entire duration of the course (**trainees** will have to fill in the scholarship acceptance form reserved for them);
- declaration certifying the INPS (Social Security Insurance) position according to the form attached to the acceptance of the scholarship;
- Registration receipt for the separate management contribution to INPS (Social Security Insurance) for the payment of the scholarship (if not available immediately, no later than 20.11.2021).

Candidates must also provide a suitable declaration that, by accepting the scholarship:

- a) formally undertake to carry out the envisaged research periods (minimum 6 months, maximum 12 months) in business and abroad (if provided by the Teaching Body), at the same time certifying that they are aware that failure to comply with the minimum business period will result in the revocation of the scholarship;
 - b) certify that he is aware that the modification of the project objectives and of the expected results (if not previously authorized by the MUR) will lead to the revocation of the scholarship and its return total of any amounts already paid;
 - c) certify that he is aware that any negative judgment of the Teaching Body and the consequent non-admission to the following year of the doctoral program will result in the revocation of the sums already paid for the current year, and that failure to obtain the degree will result in the revocation of the sums already provided for the last year of the course;
 - d) certify that at the moment he is not benefiting from other scholarships awarded for any reason, and undertakes, for the entire duration of the additional scholarship, not to take advantage of other scholarships awarded for any reason, except for those admissible under the national legislation in force.
- The candidate also undertakes to report on the activities carried out every two months

Foreign citizens results winners shall complete and submit the above-mentioned forms reserved for them.

For information and assistance regarding the Tax ID Code, accommodation and Permit of stay, foreign citizens may contact the CENTRO ACCOGLIENZA E INCLUSIONE (<http://cai.unipr.it>).

All the aforementioned documentation must be sent, **by November 09, 2021**, by email to dottorati@unipr.it or delivered, by appointment, directly to the UO Post Graduate Training - Research Doctorates - P.le San Francesco, 3 - 43121 Parma (open to the public: Monday, Tuesday, Wednesday, Friday from 09.00 to 12.00 - Thursday from 09.00 to 13.00).

Registration will become effective only after the presentation of all the above-mentioned documents within the specified deadline. The candidates who do not comply with all the above within the relevant

deadline will be cancelled from the list and considered renouncers. Vacancies will be made available to runner-ups, in order of merit.

Following a waiver by the winners of the competition, whether explicit or tacit, replacements will be made in line with the final ranking list. A communication is sent to the applicant taking over the available position via e-mail. In this case, enrollment must be completed within the peremptory term of 2 days from the date of sent of the notice of substitution, under penalty of revocation, using only the online procedure and sending or submitting, by appointment, the application in paper form, including the attachments requested, within the same deadline.

The scrolling of the rankings will be carried out by November 19, 2021, subsequently no further scrolling will be possible

Candidates who received the notice of substitution, but intend to renounce the enrollment, must communicate their refusal without delay so that the available position can be offered to other applicants. The refusal must be notified via e-mail to dottorati@unipr.it, attaching the scanned front-back copy of a valid ID document.

Eligible applicants who fail to complete the enrollment procedure by the deadline set in the notice of substitution shall be considered having refused the position tacitly.

In case of equality for positions covered by scholarships, the assessment of the economic situation, determined in accordance with D.P.C.M. of 09.04.2001, published in the Official Gazette no. 172 of 26.07.2001, without prejudice to the specific procedures for the awarding of the position set out in Arts. 6 and 7 concerning reserved positions and scholarships dedicated to specific research topics;

For admission to the doctorate program, candidates with the same ranking shall submit a self-certification concerning their income situation, pursuant to the Decree issued by the Italian Prime Minister on 9 April 2001 published in the Italian Official Journal issue No. 172 of 26 July 2001.

To the start of the course will be sent an email confirmation of registration, indicating the student number and the e-mail address assigned by the University.

These data are essential for the PhD student's career. The University of Parma will contact its PhD students **only using the above-mentioned email account** to communicate the administrative information regarding the PhD course.

All enrolled PhD students are invited **to create an ORCID profile** (Open Researcher and Contributor. To register, visit the page <https://orcid.org/register>). ORCID is a unique and permanent identification number attributed to the individual researcher and which, thanks to the integration with Web of Science and Scopus, allows you to easily populate your author profile with all future publications, also in order to keep track of the different affiliations of the researcher during his/her professional life. The Code Number of the successful creation of **the ORCID Profile** must be communicated to the PhD Office (dottorati@unipr.it) **no later than 20 November 2021**.

For the duration of the course, students are required to edit, insert and promptly update any changes of personal details including the Bank Account Number for crediting of the scholarship, residence, domicile or any other number, connecting to the private area using the credentials possessed.

In case of waiver by a person so entitled within two months of the beginning of the program, the candidate on the short-list of eligible candidates ranking immediately after the waiving one shall take over the

position, however, no later than at the end of the third month from the beginning of the program, taking into account, where necessary, of the specific research field related to funding

Non-EU nationals shall submit a photocopy of the application for an Italian stay permit, for study or otherwise, and shall commit to turn in later the stay permit issued by the Questura di Parma.

All deeds and documents in a foreign language shall be translated and certified by the competent Italian diplomatic representation or consulates, in accordance with the applicable legislation concerning the admission of foreign students to courses at Italian Universities.

ARTICLE 10 - SCHOLARSHIPS

The scholarships will be assigned, during the planning of the activities of the first year of the course, by the Academic Board according to the order in the final ranking list, taking into account the indications contained in the PhD programme tables, regarding reserved positions, positions with scholarships linked to specific topics and the judgments of suitability expressed by the Examination Boards during the competition.

The Rector, having consulted the Doctoral Commission, may arrange for the redistribution of the grants not awarded due to the lack of suitable candidates in favor of the doctoral courses for which there are rankings of suitable candidates. The enrollment process must necessarily be completed no later than November 19, 2021.

Candidates who are assigned scholarships with a predetermined research activity will be bound to carry out that activity.

Scholarships dedicated to specific research topics are those financed under certain programs, projects or agreements with external bodies that obligatorily require the activity to be carried out on a specific research topic (indicated in the PhD programme tables) and which bind the beneficiary to conduct this specific research.

Due to their particular nature, the scholarships dedicated to specific research topics can not be assigned on the basis of the general merit ranking, but require an additional specific assessment.

The Examination Board, possibly supplemented by an expert member referred to in the previous art. 5, will express a suitability assessment for the assignment of the scholarship linked to specific topics, taking into consideration the specific competences, experiences and aptitudes of the candidates, as well as the profile sought, possibly indicated in the PhD programme tables.

In the modalities provided for by the PhD programme tables, each candidate can express to the Examination Board his or her interest in the assignment of one or more scholarships with a fixed subject. This expression of interest is not binding for the purpose of assigning the suitability assessment.

All candidates who apply for a specific PhD course take part in the selection for general positions.

For candidates with the same ranking, the assessment of their income situation pursuant to the Decree issued by the Italian Prime Minister on 9 April 2001 and published in the Italian Official Journal issued No.172 of 26 July 2001.

The yearly gross amount of the scholarship is € 15.343,28, as defined by the Ministerial Decree n. 40 of the 25.01.2018. Social-security contributions are deducted monthly from the gross scholarship by the University on behalf of the PhD candidates. Scholarships are paid to PhD candidates on a monthly basis, in arrears.

The scholarships are subject to the payment of the INPS social security contribution (Gestione separata INPS) according to the relevant legislation into force. Such a contribution is paid as follows: two-thirds to be paid by the University and one-third to be paid by the scholarship holder. PhD candidates enjoy the related rights and safeguards.

In tax terms, the provisions of Article 4 of Italian Law No. 476 of 13 August 1984 apply to scholarships for attendance of doctorate programs.

The scholarship shall not add to other research grants or other scholarships awarded on whatsoever ground, except for those awarded by Italian or foreign bodies and intended to integrate, with stays abroad, the training or research activities of the Doctoral Student.

The beneficiaries of research grants who are awarded scholarships as part of a PhD program must irrevocably renounce the grant or scholarship by the start date of the course on 01.01.2022 by promptly contacting their administration.

Anyone who has already received a scholarship for a PhD course, even partially, cannot apply for a second time.

ARTICLE 11 - TUITION FEES

It is envisaged the total exemption from the payment of fees or grants to the University for the PhD students who have a scholarship and other forms of equivalent support under the D.M. 45/2013.

It is also envisaged, pursuant to Law 11 December 2016, no. 232, paragraph 262, the total exemption from paying taxes or grants to the University for PhD students who are not scholarship beneficiaries.

All doctoral students enrolled in the programs shall be required in any case to pay €16.00 per year as revenue stamp duty and €140.00 per year as the Regional tax for the right to study.

As a result of termination of studies the installment paid for the registration is not refundable.

Terms of payment

To make the payment of the aforementioned amount of € 156.00 you will have to connect to the University website www.unipr.it. Click on Servizi > Servizi di segreteria online, log in with your credentials to access your personal page and click on SEGRETERIA > PAGAMENTI.

Payment can be made:

- by printing the **IUV bulletin** to be presented at any **bank branch authorized** in Italy or through another payment system accepted by **PagoPA** (bank branches, home banking, authorized stations, Sisal and Lottomatica points, Post Offices if account holders, as well as apps payment methods such as Bancomat Pay or Satispay, etc.).

For more information on the **pagoPA payment system (IUV)** you can consult the following web page: <https://www.unipr.it/pagoPA>.

The amounts of the tuition fee for enrollment in the following years and their deadlines are determined annually by the competent Academic Bodies and published on the University web page at: <http://www.unipr.it/didattica/post-laurea/dottorati-di-ricerca>. The PhD students are required to view it through the University web site.

ARTICLE 12 - ACHIEVEMENT OF THE DEGREE

The research doctor degree, also referred to as: "Dott. Ric." or "Ph.D.", shall be achieved upon sitting and passing the final exam. For all information on the appointment of Examination Boards for the final exams and on the procedures and requirements relating to the doctoral thesis, reference is made to the "Regolamento dei Corsi per il conseguimento del Dottorato di Ricerca dell'Università degli Studi di Parma" [Regulation of the University of Parma concerning the Programs for Research Doctorate degrees].

ARTICLE 13 - COMPATIBILITY REGIME

Doctoral students shall undertake to ensure attendance of the doctorate program based on the instructions given by the Program Board.

The admission to research doctorate programs shall require full-time and exclusive commitment.

The Program Board shall have the power to include any extra-curricular activities to be performed along with the academic educational, training and research activities of the doctorate program.

The regimes of compatibility and incompatibility with the frequency of doctoral courses are governed by Arts. 6 and 7 of the Regulations concerning PhD courses, to which reference should be made.

ARTICLE 14 - APPLICABLE REGULATION

For anything not expressly provided for herein, reference is made to the "Regolamento dei Corsi per il conseguimento del Dottorato di Ricerca dell'Università degli Studi di Parma" [Regulation of the University of Parma concerning the Programs for Research Doctorate degrees], issued by Rector's Decree no. 2275 of the 27.06.2013, as amended.

ARTICLE 15 – PERSON IN CHARGE OF THE PROCEEDING

Pursuant to Italian Law No. 241 of 7 August 1990, as amended and integrated, the person in charge of the proceeding dealt with herein shall be Ms. Sonia Rizzoli – Head of the Postgraduate Training Sector] - P.le S. Francesco, 3 - 43121 Parma, Italy, phone +390521 – 034214 fax +390521/347042 and e-mail dottorati@unipr.it.

The provisions set down herein and intended to ensure transparency in all phases of the proceeding, the criteria and procedures for the appointment of examination boards and persons in charge of the proceeding implement Italian Law No. 241 of 7 August 1990, as amended.

ARTICLE 16 – PERSONAL DATA PROTECTION

Personal and sensitive data provided by candidates will be used for administrative purposes and for possible proceedings for the management of the academic career of the winners only.

The treatment of the personal data according to art. 13 of EU art. 2016/679 – General Data Protection Regulation.

The communication regarding the request for personal data is obligatory in order to evaluate the prerequisites for participation, or exclusion of the candidate from the selection process. The personal data provided can be communicated to the Administration of the Università of Parma and to related external structures within the framework of the University of Parma authorised to manage personal data under the direct control of the Owner of the Service of the Data Protection officer, exclusively for the above-mentioned purposes.

The e mail of Data Controller at the Università degli Studi of Parma, dpo@unipr.it or dpo@pec.unipr.it.

ARTICLE 17 – OTHER INFORMATION

This announcement of a competitive examination, written in Italian and in English, is published on the website of the University of Parma, <http://www.unipr.it>; the relating notice is available on the website of the Italian Ministry of Education, University and Research and on the EU Euraxess website.

Additional information and regulation details may be asked to the Postgraduate Training – Ph.D Office, P.le San Francesco, 3 - 43121 Parma, Italy Phone: +39 0521/034214 dottorati@unipr.it.

Prof. Paolo Andrei

Digitally signed pursuant to Legislative Decree no. 82/2005

U.O.R. - Unità Organizzativa Responsabile (<i>Relevant Organizational Unit</i>)	Area Dirigenziale Didattica, Internazionalizzazione e Servizi agli Studenti (<i>Relevant Organizational Management -Teaching Area and Students' Services</i>)	Ms. Anna Maria Perta
R.P.A. Responsabile del Procedimento Amministrativo (<i>Person in charge of the proceeding</i>)	UO Formazione Post Lauream (<i>Head in charge of the administrative proceeding of the Postgraduate Training</i>)	Ms. Sonia Rizzoli

BIOTECHNOLOGY AND LIFE SCIENCE	
CYCLE	XXXVII
COORDINATOR	Prof. Marco VENTURA email: marco.ventura@unipr.it Department of Chemistry, Life Sciences and Environmental Sustainability
DURATION	3 anni
STARTING DATE OF THE PHD PROGRAM	01/01/2022
TRAINING OBJECTIVES	
<p>The PhD in Biotechnology and Biosciences aims to train experts who can carry out advanced research activities in the biological disciplines and biotechnology. The Doctor's research themes concern the study of the function, organization and expression of the genome of microbial, plant and animal organisms (including humans), to deepen their basic knowledge, also in view of possible applications in biotechnology. The methodologies used are mainly those of genetic, microbiology, molecular biology, biochemistry and applied biology. Starting from this common objective and from a highly cross-cutting advanced teaching activity, in order to train PhDs with highly qualified skills in specific areas of Biotechnology and Life Sciences, three main areas of research defined as such: 1) environmental; 2) genetics and microbiology; 3) biochemical-molecular. PhD students will be involved full-time in a research project, to which they will also make critical and proactive contributions. In this way, they will acquire a marked scientific and management autonomy, also thanks to the numerous scientific, national and international collaborations in which they will be involved.</p>	
ADMISSION REQUIREMENTS	<p>Regardless of age and citizenship, applicants holding at least one of the following academic qualifications can apply for admission:</p> <ul style="list-style-type: none"> – Laurea specialistica or Laurea magistrale (second cycle master's degree) – Laurea Vecchio Ordinamento (degree obtained under the previous Italian regulations); – Second cycle Master's degree obtained abroad, equivalent to the above mentioned Italian degrees and recognized as suitable for the admission to doctoral program <p>Undergraduate applicants may also submit applications with the obligation of getting their degree by October 31st 2021.</p>

POSITION PUT OUT TO COMPETITION	2	With Scholarship - Action IV.5 - "Doctorates on Green issues of the PON R&I 2014-2020	2
Position with Scholarship LINKED TO SPECIFIC TOPICS			
<p>When registering for the competition, candidates must indicate to the Examining Board, in the specific section of ANNEX A, their interest of being assigned one or more scholarships on a specific topic. The Examination Board will evaluate their eligibility based on specific competences, experience and specific aptitudes of the applicants.</p>			
N°	ACTION	BOUND RESEARCH TOPIC	
2	Action IV.5 - "Doctorates on Green issues of the PON R&I 2014-2020	<ul style="list-style-type: none"> • Microbial biodiversity, environmental sustainability and impact on the life of the members of ecosystems. • Biotechnological strategies for the defense and resilience of plants of agronomic interest. 	

ADMISSION PROCEDURES	<p>Assessment of QUALIFICATIONS: up to 40 points (a minimum score of 18 points shall be required to be admitted to the Oral Exam)</p> <p>ORAL EXAM: up to 80 points</p> <p>Minimum score for ELIGIBILITY: 70/120</p>
Foreign Language	<p>Language the fluency of which shall be assessed during the Oral Exam: ENGLISH.</p> <p>The evaluation of the knowledge of this language will be oral and will consist in reading and translating of a scientific text.</p>
<p>CANDIDATES ADMITTED TO THE ORAL TEXT CAN TAKE THE EXAM IN PRESENCE OR REMOTELY IN AUDIO AND VIDEO TELECONFERENCE</p> <p>(Candidates who intend to take the Oral Exam remotely must submit request, to this purpose, as per the model attached to the competition notice)</p>	
<p>THE INTERVIEW MAY BE HELD ALSO IN ENGLISH</p>	
<p>LIST OF QUALIFICATIONS TO BE SUBMITTED AND THEIR ASSESSMENT</p>	
<p>MANDATORY DOCUMENTS TO BE ATTACHED TO THE ON-LINE APPLICATION</p>	
ANNEX A	(art. 5 of the Competition notice)
Identification Document	Scanned Copy of a valid identity document with photo (i.e. identity card, passport)
Curriculum Vitae et studiorum	No specific CV format is required (see art. 4 of the Competition notice)
Abstract of degree thesis	Abstract of the second cycle master's degree thesis. Undergraduate applicants must submit the draft of the thesis approved by their supervisor (abstract/draft of the thesis: 10.000 characters including spaces)
Qualifications	<p>Certificates and academic transcript of records for both Bachelor' and Master' degrees containing the following details for each degree held: (art. 4 of the Competition notice): University that granted the degree - Type of degree (first cycle/second cycle/single cycle) Name of the degree program - Date of graduation - Final mark - List of exams and corresponding scores (academic transcript of records) - Translation into Italian or English (only for degrees issued in languages other than Italian or English).</p>
Research Project	<p>Drawn up according to the format attached to the competition announcement</p> <p>THE EVALUATION OF THE PROJECT WILL TAKE PLACE DURING THE ORAL EXAM</p>
<p>FURTHER QUALIFICATIONS THAT MAY BE ATTACHED TO THE APPLICATION, IF IN POSSESSION OF THE APPLICANT (only qualifications attested by a document drawn up in Italian or in English)</p>	
Scientific Publications	Articles on national and international journals, papers presented at conferences or symposia, book chapters and indexed national publications.
Other Academic qualifications	First or second level Master's degree obtained in Italy and/or specialization degree in subjects consistent with the research topics of this PhD program

Other experiences (training, work, research, teaching, etc.)	<ul style="list-style-type: none"> - Periods of study abroad, outside the country of origin (e.g. Erasmus programme or other similar mobility programmes) - Other qualifications attesting the suitability of the applicants (scholarships or research grants, awards, etc.) - Employment contracts at public and / or private research centers 	
EVALUATION CRITERIA		
QUALIFICATION	EVALUTATION CRITERIA	POINTS
Curriculum Vitae et studiorum	Including academic career and postgraduate experience, accompanied by a statutory declaration in lieu of the certification of the exams passed with the relevant marks, as well as the final graduation mark.	Up to 2 points
Graduation mark	Score related to the final mark: - 110 with honours (magna cum laude): 30 points; - 110: 28 points; - From 104 to 109: points 4-24 (4 points for each mark unit); - Until 103: 3 points.	Up to 30 points
Average of the exam marks (if the candidate will attain the degree no later than 31 October 2021)	Score related to the average of the exam marks: - 30/30: 28 points; - From 24/30 to 29/30: points 4-24 (4 points for each unit average score)	Up to 28 points
Graduation thesis	Consistency of the Master's Degree thesis with the doctoral program research topics (briefly describe the topics in the curriculum vitae)	Up to 4 points
Scientific publications	Publications in <i>peer-reviewed</i> international journals: 0.5 points for each publication (for evaluation purposes it is mandatory to attach a pdf copy of each publication to the application)	Up to 2 points
Communications to conferences, publication in indexed national journals, book chapters	0.5 point for each conference abstract, publication in indexed national journals or book chapters (for evaluation purposes it is mandatory to attach a pdf copy of each term to the application)	Up to 2 points
ORAL EXAM	EVALUATION CRITERIA	POINTS
The ORAL EXAM includes the presentation and discussion of the research project and is intended to assess the suitability of the applicant to pursue scientific research as well as the general knowledge of issues connected to the related topics	Project evaluation score: <ul style="list-style-type: none"> • scientific value and originality of the proposal: points 10. • articulation of the proposal: points 10. • feasibility of the proposal: points 10 • consistency with the related issues: points 45 Knowledge of the foreign language: points 5	Up to 80 points
SCHEDULE OF THE ADMISSION EXAMS		
ORAL EXAM	DATE	26 October 2021
	TIME	12.00 (Italian Time)

	PLACE	Department of Chemistry, Life Sciences and Environmental Sustainability Aule Poliuso La Grande – Aula B Parco Area delle Scienze – Campus Universitario 43124 PARMA - ITALY
OTHER INFORMATION		For foreign candidates it is possible to carry out the admission examination exclusively in English. For Italian candidates it will be possible to take the admission examination in Italian or in English at the candidate's choice

PHYSICS	
CYCLE	XXXVII
COORDINATOR	Prof. Stefano CARRETTA email: stefano.carretta@unipr.it Department of Mathematical, Physical and Computer Sciences
DURATION	3 anni
STARTING DATE OF THE PHD PROGRAM	01/01/2022
PARTNER INSTITUTION FOR UNIVERSITY COOPERATION AGREEMENTS	<ul style="list-style-type: none"> • Technische Universität Dresden (Germany)
TRAINING OBJECTIVES	
<p>The PhD in Physics, with a duration of 3 years, is established as a unifying element of the third-level University education in the Physics area. Besides their main commitment to the research activity, students are supposed to spend a substantial part of their training period in attending advanced courses as well as national and international schools. Students are encouraged to spend part of their time abroad, in order to participate in scientific collaborations in their fields of interest, and follow advanced courses in support of their research program. During the three years, teaching commitments are progressively reduced towards a full time engagement in the research activity. The evaluation of the training program is carried out - at the end of each year - through open seminars held by the students. The independent scientific research is expected to lead to publication of results in international, peer reviewed journals. The ultimate goal of the PhD in Physics is a highly specialized scientific training that opens professional carriers in academic institutions and research laboratories, either public or private. The PhD in Physics is divided into three areas corresponding to major groups of disciplines of Physical Sciences covered by the research activity of the Department of Mathematical, Physical and Computer Sciences: Condensed Matter and Materials Physics, Theoretical Physics, Biophysics and Applied Physics.</p>	
ADMISSION REQUIREMENTS	<p>Regardless of age and citizenship, applicants holding at least one of the following academic qualifications can apply for admission:</p> <ul style="list-style-type: none"> – Laurea specialistica or Laurea magistrale (second cycle master's degree) – Laurea Vecchio Ordinamento (degree obtained under the previous Italian regulations); – Second cycle Master's degree obtained abroad, equivalent to the above mentioned Italian degrees and recognized as suitable for the admission to doctoral program <p>Undergraduate applicants may also submit applications with the obligation of getting their degree by October 31st 2021.</p>

POSITION PUT OUT TO COMPETITION	3	With Scholarship - Action IV.5 - "Doctorates on Green issues of the PON R&I 2014-2020"	3
Position with Scholarship LINKED TO SPECIFIC TOPICS			
<p>When registering for the competition, candidates must indicate to the Examining Board, in the specific section of ANNEX A, their interest of being assigned one or more scholarships on a specific topic. The Examination Board will evaluate their eligibility based on specific competences, experience and specific aptitudes of the applicants.</p>			
N°	ACTION	BOUND RESEARCH TOPIC	
3	Action IV.5 - "Doctorates on Green issues of the PON R&I 2014-2020"	<ul style="list-style-type: none"> • Lab-on-Chip technology for predictive maintenance in green energy production field • Systems for large-scale electrical energy-storage with low environmental impact deriving from pyrolysis of biomass waste • Towards a new generation of transistors for low-loss power electronics: development of novel materials and devices 	

ADMISSION PROCEDURES	Assessment of QUALIFICATIONS: up to 50 points (a minimum score of 20 points shall be required to be admitted to the Oral Exam) ORAL EXAM: up to 70 points Minimum score for ELIGIBILITY: 70/120
Foreign Language	Language the fluency of which shall be assessed during the Oral Exam: ENGLISH .
CANDIDATES ADMITTED TO THE ORAL TEXT CAN TAKE THE EXAM IN PRESENCE OR REMOTELY IN AUDIO AND VIDEO TELECONFERENCE (Candidates who intend to take the Oral Exam remotely must submit request, to this purpose, as per the model attached to the competition notice)	
THE INTERVIEW MAY BE HELD ALSO IN ENGLISH	
LIST OF QUALIFICATIONS TO BE SUBMITTED AND THEIR ASSESSMENT	
MANDATORY DOCUMENTS TO BE ATTACHED TO THE ON-LINE APPLICATION	
ANNEX A	(art. 5 of the Competition notice)
Identification Document	Scanned Copy of a valid identity document with photo (i.e. identity card, passport)
Curriculum Vitae et studiorum	No specific CV format is required (see art. 4 of the Competition notice)
Abstract of degree thesis	Abstract of the second cycle master's degree thesis. Undergraduate applicants must submit the draft of the thesis countersigned by their supervisor.
Qualifications	Certificates and academic transcript of records for both Bachelor' and Master' degrees containing the following details for each degree held: (art. 4 of the Competition notice): University that granted the degree - Type of degree (first cycle/second cycle/single cycle) Name of the degree program - Date of graduation - Final mark - List of exams and corresponding scores (academic transcript of records) - Translation into Italian or English (only for degrees issued in languages other than Italian or English).
Research Project	Drawn up according to the format attached to the competition announcement THE EVALUATION OF THE PROJECT WILL TAKE PLACE DURING THE ORAL EXAM
FURTHER QUALIFICATIONS THAT MAY BE ATTACHED TO THE APPLICATION, IF IN POSSESSION OF THE APPLICANT (only qualifications attested by a document drawn up in Italian or in English)	
Statement of Research interest	Short text – maximum 1 page – in Italian or in English, aimed at explaining the candidate's reasons to attend the PhD program and at describing her/his specific research interests
Scientific Publications	Articles on national and international journals, papers presented at conferences or symposia, book chapters etc.
Other Academic qualifications	First or second level Master's degree obtained in Italy and/or specialization degree in subjects consistent with the research topics of this PhD program
Other experiences (training, work, research, teaching, etc.)	<ul style="list-style-type: none"> – Research activity (basic, applied, translational, etc.) carried out in any capacity, including when covered by research grant, and as a staff member of research units – Working activity

	<ul style="list-style-type: none"> – Professional and/or training internship – Language proficiency certificates – Periods of study abroad, outside the country of origin (e.g. Erasmus programme or other similar mobility programmes) – Other qualifications attesting the suitability of the applicants (scholarships, awards, etc.) 	
EVALUATION CRITERIA		
QUALIFICATION	EVALUATION CRITERIA	POINTS
Curriculum Vitae et studiorum	Including academic career and postgraduate experience, accompanied by a statutory declaration in lieu of the certification of the exams passed with the relevant marks, as well as the final graduation mark. The marks of the exams and the graduation mark will be the most relevant element of the evaluation.	Up to 25 points
Graduation thesis	Consistency of the Master' Degree thesis with the doctoral program research topics. The assessment will make use of the information contained in the abstract (max 1 page) of the thesis (although not yet discussed, in this case countersigned by the thesis supervisor) and in the curriculum, where a brief description of the thesis work should be reported.	Up to 5 points
Statement of Research interest	The motivation expressed by the candidate in relation to the topics of the research doctorate will be assessed.	Up to 10 points
Other qualifications	Publications, awards, presentations to scientific meeting, stages, fellowships, reference letters, etc	Up to 10 points
ORAL EXAM	EVALUATION CRITERIA	POINTS
The ORAL EXAM includes the presentation and discussion of the research project and is intended to assess the suitability of the applicant to pursue scientific research as well as the general knowledge of issues connected to the related topics	<p>Criteria relating to the evaluation of the project:</p> <ul style="list-style-type: none"> o scientific value and originality of the proposal o articulation of the proposal o feasibility of the proposal o consistency with the related issues <p>Other criteria:</p> <ul style="list-style-type: none"> o preparation on issues related to the master's thesis o preparation on the topics of the PhD course o knowledge of a foreign language/knowledge of the foreign language 	Up to 70 points
SCHEDULE OF THE ADMISSION EXAMS		
ORAL EXAM	DATE	25 October 2021 (with possible extension in the following day)
	TIME	09.00 am (Italian time) The schedule of oral examinations will appear at http://smfi.unipr.it/it
	PLACE	Department of Mathematical, Physical and Computer Sciences PHYSICS BUILDING Parco Area delle Scienze, 7/A – Campus 43124 PARMA - ITALY

OTHER INFORMATION

The Oral Exam will focus on the description of the research work carried out to prepare the Graduation Thesis for the Laurea Magistrale/Specialistica, as well as on the research project that the candidate proposes to carry out within the research topics of the Research Doctorate Program in Physics at the Department of Mathematical, Physical and Computer Sciences of the University of Parma which are described at <http://smfi.unipr.it/it>

For foreign candidates, the admission examinations may be held in English at the candidate's choice.

CIVIL ENGINEERING AND ARCHITECTURE	
CYCLE	XXXVII
COORDINATOR	Prof. Sandro LONGO email: sandro.longo@unipr.it Department of Engineering and Architecture
DURATION	3 anni
STARTING DATE OF THE PHD PROGRAM	01/01/2022
PARTNER INSTITUTION FOR UNIVERSITY COOPERATION AGREEMENTS	<ul style="list-style-type: none"> New Jersey Institute of Technology (USA)
TRAINING OBJECTIVES	
<p style="text-align: center;">To develop specialized skills in the following fields:</p> <ol style="list-style-type: none"> Infrastructure and Environmental Engineering: civil infrastructures for transport; survey, management, and analysis of land data, control and monitoring of displacements and deformations at all scales; issues related to surface waters and groundwater; Structural and Geotechnical Engineering: mechanical behaviour of materials, structural components and structures; behaviour of soils and geotechnical structures; Architecture and Urban Planning: theoretical, formal, distributional and functional aspects in architecture; the problems related to methods for survey and to computer-graphics in architecture; issues related to the implementation and the development of urban settlements; historical, artistic, technical and aesthetic themes in the architecture of the past. 	
ADMISSION REQUIREMENTS	<p>Regardless of age and citizenship, applicants holding at least one of the following academic qualifications can apply for admission:</p> <ul style="list-style-type: none"> Laurea specialistica or Laurea magistrale (second cycle master's degree) Laurea Vecchio Ordinamento (degree obtained under the previous Italian regulations) Second cycle Master's degree obtained abroad, equivalent to the above mentioned Italian degrees and recognized as suitable for the admission to doctoral program <p>Undergraduate applicants may also submit applications with the obligation of getting their degree by October 31st 2021.</p>

POSITION PUT OUT TO COMPETITION	5	With Scholarship - Action IV.5 - "Doctorates on Green issues of the PON R&I 2014-2020"	5
Position with Scholarship LINKED TO SPECIFIC TOPICS			
<p>When registering for the competition, candidates must indicate to the Examining Board, in the specific section of ANNEX A, their interest of being assigned one or more scholarships on a specific topic. The Examination Board will evaluate their eligibility based on specific competences, experience and specific aptitudes of the applicants.</p>			
N°	ACTION	BOUND RESEARCH TOPIC	
5	Action IV.5 - "Doctorates on Green issues of the PON R&I 2014-2020"	<ul style="list-style-type: none"> Mitigation of climate change impacts Promoting sustainable development 	

ADMISSION PROCEDURES	<p>Assessment of QUALIFICATIONS: up to 70 points (a minimum score of 40 points shall be required to be admitted to the Oral Exam)</p> <p>ORAL EXAM: up to 50 points</p> <p>Minimum score for ELIGIBILITY: 70/120</p>
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Foreign Language	The language for which the fluency must be assessed during the Oral Examination: ENGLISH . The assessment of knowledge of this language will be oral and will consist in reading and translating a scientific text.	
CANDIDATES ADMITTED TO THE ORAL TEST CAN TAKE THE EXAM IN PRESENCE OR REMOTELY IN AUDIO AND VIDEO TELECONFERENCE		
(Candidates who intend to take the Oral Exam remotely must submit request, to this purpose, as per the model attached to the competition notice)		
THE INTERVIEW MAY BE HELD ALSO IN ENGLISH		
LIST OF QUALIFICATIONS TO BE SUBMITTED AND THEIR ASSESSMENT		
MANDATORY DOCUMENTS TO BE ATTACHED TO THE ON-LINE APPLICATION		
ANNEX A	(art. 5 of the Competition notice)	
Identification Document	Scanned Copy of a valid identity document with photo (i.e. identity card, passport)	
Curriculum Vitae et studiorum	No specific CV format is required (see art. 4 of the Competition notice)	
Abstract of degree thesis	Abstract of the second cycle master's degree thesis. Undergraduate applicants must submit the draft of the thesis approved by their supervisor (abstract/draft of the thesis: 10.000 characters including spaces)	
Qualifications	Certificates and academic transcript of records for both Bachelor' and Master' degrees containing the following details for each degree held: (art. 4 of the Competition notice): University that granted the degree - Type of degree (first cycle/second cycle/single cycle) Name of the degree program - Date of graduation - Final mark - List of exams and corresponding scores (academic transcript of records) - Translation into Italian or English (only for degrees issued in languages other than Italian or English).	
Research Project	Drawn up according to the format attached to the competition announcement THE EVALUATION OF THE PROJECT WILL TAKE PLACE DURING THE ORAL EXAM	
FURTHER QUALIFICATIONS THAT MAY BE ATTACHED TO THE APPLICATION, IF IN POSSESSION OF THE APPLICANT (only qualifications attested by a document drawn up in Italian or in English)		
Scientific Publications	Max 2 Articles on national and international journals, papers presented at conferences or symposia, book chapters etc.	
EVALUATION CRITERIA		
QUALIFICATION	EVALUTATION CRITERIA	POINTS
Curriculum Vitae et studiorum	Including academic career and postgraduate experience, accompanied by a statutory declaration in lieu of the certification of the exams passed with the relevant marks, as well as the final graduation mark.	Up to 50 points
Graduation mark	---	Up to 10 points
Average of the exam marks (if the candidate will attain the degree no later than 31 October 2021)	---	Up to 10 points

Graduation thesis	---	Up to 5 points
Scientific publications	Maximum 2	Up to 5 points
ORAL EXAM	EVALUATION CRITERIA	POINTS
The ORAL EXAM includes the presentation and discussion of the research project and is intended to assess the suitability of the applicant to pursue scientific research as well as the general knowledge of issues connected to the related topics	<ul style="list-style-type: none"> ○ knowledge of the foreign language ○ research project presentation ○ general knowledge of issues connected to the PhD course 	Up to 50 points
SCHEDULE OF THE ADMISSION EXAMS		
ORAL EXAM	DATE	25 October 2021
	TIME	09:30 AM (Italian time)
	PLACE	Department of Engineering and Architecture MEETING ROMM – Building 10 Parco Area delle Scienze, 181/A – Campus 43124 PARMA - ITALY
OTHER INFORMATION	<p>For foreign candidates, the admission examinations may be held in English at the candidate's choice.</p> <p>In the application form, the Candidate can indicate the research topic of his interest among those listed in https://dia.unipr.it/it/themes_37_Cycle_PON</p> <p>For Applicants who will take the Oral Exam in Italian, knowledge of English will be assessed orally and the test will consist of reading and translating a scientific text.</p> <p>Foreign Applicants, if they are among the winners of the PhD admission competition, are strongly encouraged to attend an Italian language course (http://www.lass.unipr.it/en/teaching/italian-courses-foreigners). The Faculty Board will recognize the credits based on the level of knowledge acquired.</p>	

INDUSTRIAL ENGINEERING	
CYCLE	XXXVII
COORDINATOR	Prof. Gianni ROYER CARFAGNI email: gianni.royer@unipr.it Department of Engineering and Architecture
DURATION	3 anni
STARTING DATE OF THE PHD PROGRAM	01/01/2022
PARTNER INSTITUTION FOR UNIVERSITY COOPERATION AGREEMENTS	<ul style="list-style-type: none"> Universidade Federal de Santa Caterina (Brazil)
RESEARCH TOPICS (The candidate MUST mandatorily indicate one research topic in the ANNEX A)	
<ul style="list-style-type: none"> Theoretical and applied mechanics, mechanics of materials and structures, material technology, machine design, measurements and diagnostics. Economic, organizational, managerial, logistics, plants and legal aspects in the field of engineering. Energy systems, thermo-fluid dynamics, fluid machinery, applied physics. 	
TRAINING OBJECTIVES	
<p>The Industrial Engineering PhD program aims to give participants a deep knowledge in the main topics relevant to industrial engineering. The PhD course presents numerical, analytical and experimental techniques, in order to face any technical or scientific problem of the industrial engineering, with managerial skills, to provide autonomy in work and readiness of inclusion in a collaborative environment with other researchers and technicians. The internationalization phase envisaged in the three-year curriculum allows to forge links with other foreign reality by providing the PhD an additional tool to get into a scientific context not just limited to national borders.</p>	
ADMISSION REQUIREMENTS	<p>Regardless of age and citizenship, applicants holding at least one of the following academic qualifications can apply for admission:</p> <ul style="list-style-type: none"> Laurea specialistica or Laurea magistrale (second cycle master's degree) Laurea Vecchio Ordinamento (degree obtained under the previous Italian regulations); Second cycle Master's degree obtained abroad, equivalent to the above mentioned Italian degrees and recognized as suitable for the admission to doctoral program <p>Undergraduate applicants may also submit applications with the obligation of getting their degree by October 31st 2021.</p>

POSITION PUT OUT TO COMPETITION	7	With Scholarship - Action IV.4 - "Doctorates and research contracts on innovation topics"	1
		With Scholarship - Action IV.5 - "Doctorates on Green issues of the PON R&I 2014-2020"	6
Position with Scholarship LINKED TO SPECIFIC TOPICS			
<p>When registering for the competition, candidates must indicate to the Examining Board, in the specific section of ANNEX A, their interest of being assigned one or more scholarships on a specific topic. The Examination Board will evaluate their eligibility based on specific competences, experience and specific aptitudes of the applicants.</p> <p>For the definition of the research project, the candidate will be able to view the research topics of the Phd course Board at https://dia.unipr.it/it/node/2834</p>			
N°	ACTION	BOUND RESEARCH TOPIC	
1	Action IV.4 - "Doctorates and research contracts on innovation topics"	<ul style="list-style-type: none"> Enhancement of human capital in research and innovation: high performance materials, packaging systems and technologies, electrically driven vehicles 	

6	Action IV.5 - "Doctorates on Green issues of the PON R&I 2014-2020"	<ul style="list-style-type: none"> Technologies for sustainable development and reduction of climate change impacts: renewable sources, decarbonization, distributed generation, high-efficiency process methods, innovative and environment-friendly materials, development in the pharmaceutical and food sectors
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ADMISSION PROCEDURES	<p>Assessment of QUALIFICATIONS: up to 50 points (a minimum score of 25 points shall be required to be admitted to the Oral Exam)</p> <p>ORAL EXAM: up to 70 points</p> <p>Minimum score for ELIGIBILITY: 70/120</p>
Foreign Language	<p>Language the fluency of which shall be assessed during the Oral Exam: ENGLISH.</p> <p>The evaluation of the knowledge of this language will be oral and will consist in reading and translating of a scientific text.</p>
<p>CANDIDATES ADMITTED TO THE ORAL TEXT CAN TAKE THE EXAM IN PRESENCE OR REMOTELY IN AUDIO AND VIDEO TELECONFERENCE</p> <p>(Candidates who intend to take the Oral Exam remotely must submit request, to this purpose, as per the model attached to the competition notice)</p>	
<p>THE INTERVIEW MAY BE HELD ALSO IN ENGLISH</p>	
<p>LIST OF QUALIFICATIONS TO BE SUBMITTED AND THEIR ASSESSMENT</p>	
<p>MANDATORY DOCUMENTS TO BE ATTACHED TO THE ON-LINE APPLICATION</p>	
ANNEX A	(art. 5 of the Competition notice)
Identification Document	Scanned Copy of a valid identity document with photo (i.e. identity card, passport)
Curriculum Vitae et studiorum	No specific CV format is required (see art. 4 of the Competition notice)
Abstract of degree thesis	Abstract of the second cycle master's degree thesis. Undergraduate applicants must submit the draft of the thesis approved by their supervisor (abstract/draft of the thesis: 10.000 characters including spaces)
Qualifications	<p>Certificates and academic transcript of records for both Bachelor' and Master' degrees containing the following details for each degree held: (art. 4 of the Competition notice): University that granted the degree - Type of degree (first cycle/second cycle/single cycle) Name of the degree program - Date of graduation - Final mark - List of exams and corresponding scores (academic transcript of records) - Translation into Italian or English (only for degrees issued in languages other than Italian or English).</p>
Research Project	<p>Drawn up according to the format attached to the competition announcement</p> <p>THE EVALUATION OF THE PROJECT WILL TAKE PLACE DURING THE ORAL EXAM</p>
<p>FURTHER QUALIFICATIONS THAT MAY BE ATTACHED TO THE APPLICATION, IF IN POSSESSION OF THE APPLICANT (only qualifications attested by a document drawn up in Italian or in English)</p>	
Statement of Research interest	Short text – maximum 1 page – in Italian or in English, aimed at explaining the candidate's reasons to attend the PhD program and at describing her/his specific research interests

Scientific Publications	Articles on national and international journals, contributions presented at conferences or symposia, book chapters. It is necessary to attach a copy to online application	
Reference Letters	A maximum of 2 written by professors or researchers at the University of origin of the candidate or from other universities or from experts in the research areas working in public or private research facilities (to be attached to the online application)	
Other Academic qualifications and other experiences (training, work, research, teaching, etc.)	<ul style="list-style-type: none"> – First or second level Master's degree obtained in Italy and/or specialization degree in subjects consistent with the research topics of this PhD program – Periods of study abroad, outside the country of origin (e.g. Erasmus programme or other similar mobility programmes) – Scholarships, awards, etc.) – Research activity (basic, applied, translational, etc.) carried out in any capacity, including when covered by research grant, and as a staff member of research units – Working activity – Professional and/or training internship – Language proficiency certificates – Other qualifications attesting the suitability of the applicants 	
EVALUATION CRITERIA		
QUALIFICATION	EVALUTATION CRITERIA	POINTS
Curriculum Vitae et studiorum	Including academic career and postgraduate experience, accompanied by a statutory declaration in lieu of the certification of the exams passed with the relevant marks, as well as the final graduation mark.	Up to 10 points
Graduation mark	Score related to the final mark: <ul style="list-style-type: none"> - 110 with honours (magna cum laude): 8 points; - 110: 7 points; - From 105 to 109: up to 6 points; - From 100 to 104: up to 3 points; - From 66 to 99: 0 points The scores will be proportionally renormalized in case of equivalent evaluations	Up to 8 points
Average of the exam marks (if the candidate will attain the degree no later than 31 October 2021)	Score related to the average of the exam marks: <ul style="list-style-type: none"> - 30/30: 8 points; - From 28/30 to 29/30: up to 5 points; - From 25/30 to 27/30: up to 3 points; - From 18/30 to 24/30: 0 points; The scores will be proportionally renormalized in case of equivalent evaluations	Up to 8 points
Graduation thesis	Scientific value of the Master's Degree thesis and consistency with the doctoral program research topics	Up to 10 points
Statement of Research Interest	Evaluation of the candidate's motivations to attend the doctoral course and congruity of the research interests with the research topics of the doctoral course.	Up to 7 points
Scientific publications	Articles on national and international journals, contributions presented at conferences or symposia, book chapters. It is necessary to attach a copy to online application	Up to 5 points
Reference Letters	a maximum of 2 written by professors or researchers at the University of origin of the candidate or from other universities or from experts in the research areas working in public or private research facilities	Up to 5 points

<p>Other Academic qualifications and other experiences</p>	<ul style="list-style-type: none"> – First or second level Master's degree obtained in Italy and/or specialization degree in subjects consistent with the research topics of this PhD program – Periods of study abroad, outside the country of origin (e.g. Erasmus programme or other similar mobility programmes) – Scholarships, awards, etc.) – Research activity (basic, applied, translational, etc.) carried out in any capacity, including when covered by research grant, and as a staff member of research units – Working activity – Professional and/or training internship – Language proficiency certificates – Other qualifications attesting the suitability of the applicants 	<p>Up to 5 points</p>
<p>ORAL EXAM</p>	<p>EVALUATION CRITERIA</p>	<p>POINTS</p>
<p>The ORAL EXAM includes the presentation and discussion of the research project and is intended to assess the suitability of the applicant to pursue scientific research as well as the general knowledge of issues connected to the related topics</p>	<ul style="list-style-type: none"> ○ scientific value and originality of the proposal: up to 20 points ○ articulation of the proposal: up to 10 points ○ feasibility of the proposal: up to 15 points ○ consistency with the related issues: up to 10 points ○ project presentation: up to 10 points ○ Knowledge of the foreign language: up to 5 points 	<p>Up to 70 points</p>
<p>SCHEDULE OF THE ADMISSION EXAMS</p>		
<p>ORAL EXAM</p>	<p>DATE</p>	<p>26 October 2021</p>
	<p>TIME</p>	<p>09:00 am (Italian time)</p>
	<p>PLACE</p>	<p>Meeting Room – Building 10 – Ground Floor Department of Engineering and Architecture Parco Area delle Scienze, 181/A - Campus 43124 PARMA - ITALY</p>
<p>OTHER INFORMATION</p>	<p>For foreign candidates, the admission examinations may be held in English at the candidate's choice.</p>	

MOLECULAR MEDICINE	
CYCLE	XXXVII
COORDINATOR	Prof. Prisco MIRANDOLA email: prisco.mirandola@unipr.it Department of Medicine and Surgery
DURATION	3 anni
STARTING DATE OF THE PHD PROGRAM	01/01/2022
PARTNER INSTITUTION FOR UNIVERSITY COOPERATION AGREEMENTS	<ul style="list-style-type: none"> • Aalborg University (Denmark)
TRAINING OBJECTIVES	
The Research Doctorate Course in Molecular Medicine aims to provide PhD students with the cultural and methodological skills necessary to carry out high-profile research in different scientific disciplines in the biomedical field, integrated in an interdisciplinary perspective. The acquired training will allow PhD students in Molecular Medicine to employ themselves in high level research and development activities in Universities, research centers and industries engaged in the medical, biological and biotechnological sectors.)	
ADMISSION REQUIREMENTS	<p>Regardless of age and citizenship, applicants holding at least one of the following academic qualifications can apply for admission:</p> <ul style="list-style-type: none"> – Laurea specialistica or Laurea magistrale (second cycle master's degree) – Laurea Vecchio Ordinamento (degree obtained under the previous Italian regulations); – Second cycle Master's degree obtained abroad, equivalent to the above mentioned Italian degrees and recognized as suitable for the admission to doctoral program <p>Undergraduate applicants may also submit applications with the obligation of getting their degree by October 31st 2021.</p>

POSITION PUT OUT TO COMPETITION	2	With Scholarship - Action IV.5 - "Doctorates on Green issues of the PON R&I 2014-2020"	2
Position with Scholarship LINKED TO SPECIFIC TOPICS			
When registering for the competition, candidates must indicate to the Examining Board, in the specific section of ANNEX A, their interest of being assigned one or more scholarships on a specific topic. The Examination Board will evaluate their eligibility based on specific competences, experience and specific aptitudes of the applicants.			
N°	ACTION	BOUND RESEARCH TOPIC	
2	Action IV.5 - "Doctorates on Green issues of the PON R&I 2014-2020"	<ul style="list-style-type: none"> • Green Topic DM1061: approach to digital innovation and the exchange between the university research and the productive world <p>Research Areas:</p> <ol style="list-style-type: none"> Development of new molecules for drug-prevention in subjects at high genetic risk for the development of hereditary-familial tumors of the breast, ovary, prostate and pancreas. Multidimensional assessment of work-related stress risk interventions and prevention c) Environmental balance and extra-sanitary impact of the digitalized dentistry 	

ADMISSION PROCEDURES	<p>Assessment of QUALIFICATIONS: up to 50 points (a minimum score of 10 points shall be required to be admitted to the Oral Exam)</p> <p>ORAL EXAM: up to 70 points</p> <p>Minimum score for ELIGIBILITY: 70/120</p>
Foreign Language	<p>Language the fluency of which shall be assessed during the Oral Exam: ENGLISH.</p> <p>The evaluation of the knowledge of this language will be by an oral examination and will consist in translating of a scientific text.</p>
<p>CANDIDATES ADMITTED TO THE ORAL TEXT CAN TAKE THE EXAM IN PRESENCE OR REMOTELY IN AUDIO AND VIDEO TELECONFERENCE</p> <p>(Candidates who intend to take the Oral Exam remotely must submit request, to this purpose, as per the model attached to the competition notice)</p>	
<p>LIST OF QUALIFICATIONS TO BE SUBMITTED AND THEIR ASSESSMENT</p>	
<p>MANDATORY DOCUMENTS TO BE ATTACHED TO THE ON-LINE APPLICATION</p>	
ANNEX A	(art. 5 of the Competition notice)
Identification Document	Scanned Copy of a valid identity document with photo (i.e. identity card, passport)
Curriculum Vitae et studiorum	No specific CV format is required (see art. 4 of the Competition notice)
Abstract of degree thesis	Abstract of the second cycle master's degree thesis. Undergraduate applicants must submit the draft of the thesis approved by their supervisor (abstract/draft of the thesis: 10.000 characters including spaces)
Qualifications	<p>Certificates and academic transcript of records for both Bachelor' and Master' degrees containing the following details for each degree held: (art. 4 of the Competition notice): University that granted the degree - Type of degree (first cycle/second cycle/single cycle) Name of the degree program - Date of graduation - Final mark - List of exams and corresponding scores (academic transcript of records) - Translation into Italian or English (only for degrees issued in languages other than Italian or English).</p>
Research Project	<p>Drawn up according to the format attached to the competition announcement</p> <p>THE EVALUATION OF THE PROJECT WILL TAKE PLACE DURING THE ORAL EXAM</p>
<p>FURTHER QUALIFICATIONS THAT MAY BE ATTACHED TO THE APPLICATION, IF IN POSSESSION OF THE APPLICANT (only qualifications attested by a document drawn up in Italian or in English)</p>	
Statement of Research interest	Short text – maximum 1 page – in Italian or in English, aimed at explaining the candidate's reasons to attend the PhD program and at describing her/his specific research interests
Scientific Publications	Articles on national and international journals, papers presented at conferences or symposia, book chapters etc.
Reference Letters	A maximum of 3 written by professors or researchers at the University of origin of the candidate or from other universities or from experts in the research areas working in public or private research facilities, to be attached to the online application

Other Academic qualifications	First or second level Master's degree obtained in Italy and/or specialization degree in subjects consistent with the research topics of this PhD program	
Other experiences (training, work, research, teaching, etc.)	<ul style="list-style-type: none"> – Research activity (basic, applied, translational, etc.) carried out in any capacity, including when covered by research grant, and as a staff member of research units – Working activity – Professional and/or training internship – Language proficiency certificates – Periods of study abroad, outside the country of origin (e.g. Erasmus programme or other similar mobility programmes) – Other qualifications attesting the suitability of the applicants (scholarships, awards, etc.) 	
EVALUATION CRITERIA		
QUALIFICATION	EVALUTATION CRITERIA	POINTS
Curriculum Vitae et studiorum	Including academic career and postgraduate experience, accompanied by a statutory declaration in lieu of the certification of the exams passed with the relevant marks, as well as the final graduation mark.	Up to 12 points
Graduation mark	Score related to the final mark: - 110 with honours (magna cum laude): 5 points; - 110: 3 points; - From 100 to 109: 0,2 point for each mark unit	Up to 5 points
Average of the exam marks (if the candidate will attain the degree no later than 31 October 2021)	Score related to the average of the exam marks: - > 28/30: 5 points - > 27/30: 3 points - > 25/30: 1 point	Up to 5 points
Graduation thesis	Consistency with the research themes of the PhD	Up to 5 points
Statement of Research Interest	Clarity, maturity, motivation and expectations	Up to 9 points
Scientific publications	Evaluation of the candidate's contribution and the editorial location of the product.	Up to 9 points
Reference Letters	one point per letter	Up to 3 points
Other Academic qualifications	Academic qualifications/experience abroad/grants, scholarships and awards	Up to 5 points
Other experiences		Up to 2 points
ORAL EXAM	EVALUATION CRITERIA	POINTS
The ORAL EXAM includes the presentation and discussion of the research project and is intended to assess the suitability of the applicant to pursue scientific research as well as the general knowledge of issues connected to the related topics	Project evaluation score: <ul style="list-style-type: none"> • scientific value and originality of the proposal: points 13. • articulation of the proposal: points 13 • feasibility of the proposal: points 13 • appropriate and rigorous methodology: points 13 • consistency with the related issues: points 13 Knowledge of the foreign language: points 5	Up to 70 points

SCHEDULE OF THE ADMISSION EXAMS

ORAL EXAM	DATE	25 October 2021
	TIME	10:00 am (Italian time)
	PLACE	Classroom 6 (aule Nuove/Ex-presidenza) Via A. Gramsci, 14 – 43126 PARMA - ITALY

MATERIALS SCIENCE AND TECHNOLOGY	
CYCLE	XXXVII
COORDINATOR	Prof. Enrico DALCANALE email: enrico.dalcanale@unipr.it Department of Chemistry, Life Sciences and Environmental Sustainability
DURATION	3 anni
STARTING DATE OF THE PHD PROGRAM	01/01/2022
PARTNER INSTITUTION	<ul style="list-style-type: none"> The Italian National Research Council (C.N.R.)
PARTNER INSTITUTION FOR UNIVERSITY COOPERATION AGREEMENTS	<ul style="list-style-type: none"> Kazan University (Russia)
TRAINING OBJECTIVES	
<p>The PhD program in Materials Science aims at the preparation of PhDs equipped with strong scientific background and wide research experience in materials science. Enrollment is open to MS laureates in Materials Science, Chemistry, Physics, Industrial Chemistry, Engineering and Biological Sciences. The Board provides a wide range of courses and seminars in different scientific areas, with particular focus on all aspects of materials science (synthesis, characterization, functions and devices). It also offers soft skills courses. The PhD program offers an interdisciplinary preparation through research activity, also in collaboration with foreign Institutions.</p>	
ADMISSION REQUIREMENTS	<p>Regardless of age and citizenship, applicants holding at least one of the following academic qualifications can apply for admission:</p> <ul style="list-style-type: none"> – Laurea specialistica or Laurea magistrale (second cycle master's degree) – Laurea Vecchio Ordinamento (degree obtained under the previous Italian regulations); – Second cycle Master's degree obtained abroad, equivalent to the above mentioned Italian degrees and recognized as suitable for the admission to doctoral program <p>Undergraduate applicants may also submit applications with the obligation of getting their degree by October 31st 2021.</p>

POSITION PUT OUT TO COMPETITION	7	With Scholarship - Action IV.4 - "Doctorates and research contracts on innovation topics"	1
		With Scholarship - Action IV.5 - "Doctorates on Green issues of the PON R&I 2014-2020"	6
Position with Scholarship LINKED TO SPECIFIC TOPICS (art. 11 of the Competition notice)			
<p>When registering for the competition, candidates must indicate to the Examining Board, in the specific section of ANNEX A, their interest of being assigned one or more scholarships on a specific topic. The Examination Board will evaluate their eligibility based on specific competences, experience and specific aptitudes of the applicants.</p>			
N°	ACTION	BOUND RESEARCH TOPIC	
1	Action IV.4 - "Doctorates and research contracts on innovation topics"	<ul style="list-style-type: none"> Sustainable transparent ceramics for optical applications 	
6	Action IV.5 - "Doctorates on Green issues of the PON R&I 2014-2020"	<ul style="list-style-type: none"> Biochar based materials for hydrogen storage Reprocessable structural polymers and membranes Multiphoton microscopy for drug delivery optimization and microplastic recognition Recovery and valorization of ceramic materials from circular economy 	

	<ul style="list-style-type: none"> • Devices and analytical methods for water saving and environmental decontamination • Nanostructured inorganic materials for sustainable industrial processes and energy recovery
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ADMISSION PROCEDURES	<p>Assessment of QUALIFICATIONS: up to 55 points (a minimum score of 30 points shall be required to be admitted to the Oral Exam)</p> <p>ORAL EXAM: up to 65 points</p> <p>Minimum score for ELIGIBILITY: 70/120</p>
Foreign Language	<p>Language the fluency of which shall be assessed during the Oral Exam: ENGLISH.</p> <p>The evaluation of the knowledge of this language will be oral and will consist in translating of a scientific text.</p>
<p>CANDIDATES ADMITTED TO THE ORAL TEXT CAN TAKE THE EXAM IN PRESENCE OR REMOTELY IN AUDIO AND VIDEO TELECONFERENCE</p> <p>(Candidates who intend to take the Oral Exam remotely must submit request, to this purpose, as per the model attached to the competition notice)</p>	
<p>THE INTERVIEW MAY BE HELD ALSO IN ENGLISH</p>	
<p>LIST OF QUALIFICATIONS TO BE SUBMITTED AND THEIR ASSESSMENT</p>	
<p>MANDATORY DOCUMENTS TO BE ATTACHED TO THE ON-LINE APPLICATION</p>	
ANNEX A	(art. 5 of the Competition notice)
Identification Document	Scanned Copy of a valid identity document with photo (i.e. identity card, passport)
Curriculum Vitae et studiorum	No specific CV format is required (see art. 4 of the Competition notice)
Abstract of degree thesis	Abstract of the second cycle master's degree thesis. Undergraduate applicants must submit the draft of the thesis approved by their supervisor (abstract/draft of the thesis: 10.000 characters including spaces)
Qualifications	<p>Certificates and academic transcript of records for both Bachelor' and Master' degrees containing the following details for each degree held: (art. 4 of the Competition notice): University that granted the degree - Type of degree (first cycle/second cycle/single cycle) Name of the degree program - Date of graduation - Final mark - List of exams and corresponding scores (academic transcript of records) - Translation into Italian or English (only for degrees issued in languages other than Italian or English).</p>
Research Project	<p>Drawn up according to the format attached to the competition announcement</p> <p>THE EVALUATION OF THE PROJECT WILL TAKE PLACE DURING THE ORAL EXAM</p>
<p>FURTHER QUALIFICATIONS THAT MAY BE ATTACHED TO THE APPLICATION, IF IN POSSESSION OF THE APPLICANT (only qualifications attested by a document drawn up in Italian or in English)</p>	
Scientific Publications	Articles and/or reviews in scientific journals with peer reviewing, abstracts of papers or posters presented at conventions or meetings
Final mark of graduation	
Average of the exam marks	(for candidates enrolled under conditions and who graduate by 31.10.2021)

EVALUATION CRITERIA		
QUALIFICATION	EVALUTATION CRITERIA	POINTS
Curriculum Vitae et studiorum	Including academic career and postgraduate experience, accompanied by a statutory declaration in lieu of the certification of the exams passed with the relevant marks, as well as the final graduation mark.	Up to 20 points
Graduation mark	Score related to the final mark: - 110 with honors (magna cum laude): 20 points - 110: 16 points - From 105 to 109: 12 points - From 100 to 104: 8 points - From 95 to 99: 4 points - Under 95: 0 points	Up to 20 points
Average of the exam marks (if the candidate will attain the degree no later than 31 October 2021)	Score related to the average of the exam marks: - 30/30: 20 points - From 28/30 to 29/30: 16 points - From 26/30 to 27/30: 12 points - 25/30: 8 points - 24/30: 4 points - Under 24/30: 0 points	Up to 20 points
Graduation thesis	Consistency of the Master's Degree thesis with the doctoral program research topics (briefly describe the topics in the curriculum vitae)	Up to 10 points
Scientific publications	Articles and/or reviews in scientific journals with peer reviewing, abstracts of papers or posters presented at conventions or meetings	Up to 5 points
ORAL EXAM	EVALUATION CRITERIA	POINTS
The ORAL EXAM will focus on the candidate's motivation to attend the PhD, on the description of his specific research interests and on a discussion of the qualifications presented by the candidate.	<ul style="list-style-type: none"> ○ knowledge of foreign languages: 10 points ○ general knowledge of issue connected to the Master's thesis: 25 points ○ Project evaluation: 30 points 	Up to 65 points
SCHEDULE OF THE ADMISSION EXAMS		
ORAL EXAM	DATE	25 October 2021 (with possible extension in the following day)
	TIME	09:00 AM (Italian time)
	PLACE	Department of Chemistry, Life Sciences and Environmental Sustainability CHEMISTRY BUILDING Parco Area delle Scienze, 17/A – Campus 43124 PARMA - ITALY
OTHER INFORMATION	For foreign candidates, the admission examinations may be held in English at the candidate's choice.	

CHEMICAL SCIENCES	
CYCLE	XXXVII
COORDINATOR	Prof.ssa Alessia BACCHI email: alessia.bacchi@unipr.it Department of Chemistry, Life Sciences and Environmental Sustainability
DURATION	3 anni
STARTING DATE OF THE PHD PROGRAM	01/01/2022
TRAINING OBJECTIVES	
<p>The training program aims to provide the PhD in Chemical Sciences the necessary skills to propose and manage research projects in the advanced fields of Analytical Chemistry, General and Inorganic Chemistry, Physical Chemistry, Industrial Chemistry, and Organic Chemistry. The PhD course in Chemical Sciences requires each student to work within one of the research groups active at the Chemistry Unit of the Department of Chemistry, Life Sciences and Environmental Sustainability (SCVSA), and to follow a specific training pathway in the chosen sector; this is achieved also through: participation in research activities at qualified centers both in Italy and abroad, participation to national and international schools and conferences, and through the publication of scientific results in international journals. Interdisciplinary training activities, aimed at developing PhD students the ability to exhibit, discuss and disseminate the subjects of their work both in the academic and industrial context and even more generally in society, are also part of the program.</p>	
ADMISSION REQUIREMENTS	<p>Regardless of age and citizenship, applicants holding at least one of the following academic qualifications can apply for admission:</p> <ul style="list-style-type: none"> – Laurea specialistica or Laurea magistrale (second cycle master's degree) – Laurea Vecchio Ordinamento (degree obtained under the previous Italian regulations); – Second cycle Master's degree obtained abroad, equivalent to the above mentioned Italian degrees and recognized as suitable for the admission to doctoral program <p>Undergraduate applicants may also submit applications with the obligation of getting their degree by October 31st 2021.</p>

POSITION PUT OUT TO COMPETITION	6	With Scholarship - Action IV.5 - "Doctorates on Green issues of the PON R&I 2014-2020"	6
Position with Scholarship LINKED TO SPECIFIC TOPICS			
<p>When registering for the competition, candidates must indicate to the Examining Board, in the specific section of ANNEX A, their interest of being assigned one or more scholarships on a specific topic. The Examination Board will evaluate their eligibility based on specific competences, experience and specific aptitudes of the applicants.</p>			
N°	ACTION	BOUND RESEARCH TOPIC	
6	Action IV.5 - "Doctorates on Green issues of the PON R&I 2014-2020"	<p>A) Sustainable development and circular economy: design of innovative materials derived from industrial by-products as a resource for the agronomic and agri-food supply chain</p> <p>B) Development of sustainable synthetic methodologies for the pharmaceutical industry</p> <p>C) Development of materials and processes for energy efficiency and climate change effects mitigation</p>	

ADMISSION PROCEDURES		<p>Assessment of QUALIFICATIONS: up to 40 points (a minimum score of 20 points shall be required to be admitted to the Oral Exam)</p> <p>ORAL EXAM: up to 80 points</p> <p>Minimum score for ELIGIBILITY: 70/120</p>
Foreign Language	<p>Language the fluency of which shall be assessed during the Oral Exam: ENGLISH.</p> <p>The evaluation of the knowledge of this language will be oral and will consist in the discussion of part of the research topics in English.</p>	
<p>CANDIDATES ADMITTED TO THE ORAL TEST CAN TAKE THE EXAM IN PRESENCE OR REMOTELY IN AUDIO AND VIDEO TELECONFERENCE</p> <p>(Candidates who intend to take the Oral Exam remotely must submit request, to this purpose, as per the model attached to the competition notice)</p>		
<p>THE INTERVIEW MAY BE HELD ALSO IN ENGLISH</p>		
<p>LIST OF QUALIFICATIONS TO BE SUBMITTED AND THEIR ASSESSMENT</p>		
<p>MANDATORY DOCUMENTS TO BE ATTACHED TO THE ON-LINE APPLICATION</p>		
ANNEX A	(art. 5 of the Competition notice)	
Identification Document	Scanned Copy of a valid identity document with photo (i.e. identity card, passport)	
Curriculum Vitae et studiorum	No specific CV format is required (see art. 4 of the Competition notice)	
Abstract of degree thesis	Abstract of the second cycle master's degree thesis. Undergraduate applicants must submit the draft of the thesis approved by their supervisor (abstract/draft of the thesis: 10.000 characters including spaces)	
Qualifications	<p>Certificates and academic transcript of records for both Bachelor and Master degrees containing the following details for each degree held: (art. 4 of the Competition notice): University that granted the degree - Type of degree (first cycle/second cycle/single cycle) Name of the degree program - Date of graduation - Final mark - List of exams and corresponding scores (academic transcript of records) - Translation into Italian or English (only for degrees issued in languages other than Italian or English).</p>	
Research Project	<p>Drawn up according to the format attached to the competition announcement</p> <p>THE EVALUATION OF THE PROJECT WILL TAKE PLACE DURING THE ORAL EXAM</p>	
<p>FURTHER QUALIFICATIONS THAT MAY BE ATTACHED TO THE APPLICATION, IF IN POSSESSION OF THE APPLICANT (only qualifications attested by a document drawn up in Italian or in English will be considered)</p>		
Scientific Publications	Articles on scientific journals with referees, communications presented at conferences or symposia, book chapters, other publications related to Chemical Sciences.	
Other experiences	<ul style="list-style-type: none"> - Participation in Schools or training courses related to Chemical Sciences - Any awards received related to Chemical 	
<p>EVALUATION CRITERIA</p>		
QUALIFICATION	EVALUTATION CRITERIA	POINTS
Curriculum Vitae et studiorum	Relevance of the academic career as well as postgraduate experiences and other research activities related to Chemical Sciences	Up to 20 points

Graduation mark or Average of the exam marks (if the candidate will attain the degree no later than 31 October 2021)	Assignment of a score related to the final mark or, for candidates who will attain the degree by 31 October 2021, a score related to the average of the exam marks	Up to 5 points
Graduation thesis	Consistency of the Master's Degree thesis with the doctoral programme research topics	Up to 10 points
Scientific publications	Impact and relevance of the qualifications presented related to Chemical Sciences	Up to 5 points
ORAL EXAM	EVALUATION CRITERIA	POINTS
The ORAL EXAM includes the presentation and discussion of the research project and is intended to assess the suitability of the applicant to pursue scientific research as well as the general knowledge of issues connected to the related topics	<p>Project evaluation score (up to 25 points):</p> <ul style="list-style-type: none"> - scientific value and originality of the proposal - articulation of the proposal - feasibility of the proposal - consistency with the related issues <ul style="list-style-type: none"> o Knowledge of the subject and predisposition of the candidate to the proposed research activities: up to 50 points o knowledge of English is assessed by discussion of topics of research and by understanding of scientific texts: up to 5 points 	Up to 80 points
SCHEDULE OF THE ADMISSION EXAMS		
ORAL EXAM	DATE	25 October 2021 (with possible extension to 26 October 2021)
	TIME	10:30 am (Italian time)
	PLACE	Department of Chemistry, Life Sciences and Environmental Sustainability CHEMISTRY BUILDING Parco Area delle Scienze, 17/A – Campus 43124 PARMA - ITALY
OTHER INFORMATION	<p>For foreign candidates, the admission examinations may be held in English at the candidate's choice.</p> <p>The choice of the Research Topic to be expressed in Annex A is not binding on the assignment of the research project, and it is intended to assess candidates skills during the admission exam.</p>	

FOOD SCIENCE	
CYCLE	XXXVII
COORDINATOR	Prof.ssa Chiara DALL'ASTA Food and Drug Department email: chiara.dallasta@unipr.it
DURATION	3 anni
STARTING DATE OF THE PHD PROGRAM	01/01/2022
PARTNER INSTITUTION FOR UNIVERSITY COOPERATION AGREEMENTS	<ul style="list-style-type: none"> • Universitat Rovira i Virgili (Spagna) • Universidad Politécnica de Cartagena (Spagna) • Universidad de Córdoba (Spagna)
TRAINING OBJECTIVES	
The PhD candidates will acquire advanced theoretical and practical expertise to provide innovative approaches and methodologies in the agro-food sector, under a multidisciplinary perspective.	
ADMISSION REQUIREMENTS	<p>Regardless of age and citizenship, applicants holding at least one of the following academic qualifications can apply for admission:</p> <ul style="list-style-type: none"> – Laurea specialistica or Laurea magistrale (second cycle master's degree) – Laurea Vecchio Ordinamento (degree obtained under the previous Italian regulations); – Second cycle Master's degree obtained abroad, equivalent to the above mentioned Italian degrees and recognized as suitable for the admission to doctoral program <p>Undergraduate applicants may also submit applications with the obligation of getting their degree by October 31st 2021.</p>

POSITION PUT OUT TO COMPETITION	4	With Scholarship - Action IV.4 - "Doctorates and research contracts on innovation topics"	1
		With Scholarship - Action IV.5 - "Doctorates on Green issues of the PON R&I 2014-2020"	3
Position with Scholarship LINKED TO SPECIFIC TOPICS			
When registering for the competition, candidates must indicate to the Examining Board, in the specific section of ANNEX A, their interest of being assigned one or more scholarships on a specific topic. The Examination Board will evaluate their eligibility based on specific competences, experience and specific aptitudes of the applicants.			
N°	ACTION	BOUND RESEARCH TOPIC	
1	Action IV.4 - "Doctorates and research contracts on innovation topics"	<ul style="list-style-type: none"> • Technological and methodological innovation in food science and nutrition as well as in the food production process 	
1	Action IV.5 - "Doctorates on Green issues of the PON R&I 2014-2020"	<ul style="list-style-type: none"> • Strategies for the direct and indirect valorization of agro-food byproducts 	

ADMISSION PROCEDURES	Assessment of QUALIFICATIONS: up to 30 points (a minimum score of 18 points shall be required to be admitted to the Oral Exam) ORAL EXAM: up to 90 points Minimum score for ELIGIBILITY: 70/120
Foreign Language	Language the fluency of which shall be assessed during the Oral Exam: ENGLISH . The evaluation of the knowledge of this language will be oral and will consist in reading and translating of a scientific test. For foreign candidates, basic knowledge of ITALIAN LANGUAGE will also be assessed.
CANDIDATES ADMITTED TO THE ORAL TEXT CAN TAKE THE EXAM IN PRESENCE OR REMOTELY IN AUDIO AND VIDEO TELECONFERENCE (Candidates who intend to take the Oral Exam remotely must submit request, to this purpose, as per the model attached to the competition notice)	
THE INTERVIEW MAY BE HELD ALSO IN ENGLISH	
LIST OF QUALIFICATIONS TO BE SUBMITTED AND THEIR ASSESSMENT	
MANDATORY DOCUMENTS TO BE ATTACHED TO THE ON-LINE APPLICATION	
ANNEX A	(art. 5 of the Competition notice)
Identification Document	Scanned Copy of a valid identity document with photo (i.e. identity card, passport)
Curriculum Vitae et studiorum	No specific CV format is required (see art. 4 of the Competition notice)
Abstract of degree thesis	Abstract of the second cycle master's degree thesis. Undergraduate applicants must submit the draft of the thesis approved by their supervisor (abstract/draft of the thesis: 10.000 characters including spaces)
Qualifications	Certificates and academic transcript of records for both Bachelor' and Master' degrees containing the following details for each degree held: (art. 4 of the Competition notice): University that granted the degree - Type of degree (first cycle/second cycle/single cycle) Name of the degree program - Date of graduation - Final mark - List of exams and corresponding scores (academic transcript of records) - Translation into Italian or English (only for degrees issued in languages other than Italian or English).
Research Project	Drawn up according to the format attached to the competition announcement THE EVALUATION OF THE PROJECT WILL TAKE PLACE DURING THE ORAL EXAM
FURTHER QUALIFICATIONS THAT MAY BE ATTACHED TO THE APPLICATION, IF IN POSSESSION OF THE APPLICANT (only qualifications attested by a document drawn up in Italian or in English)	
Statement of Research interest	Short text – maximum 1 page – in Italian or in English, aimed at explaining the candidate's reasons to attend the PhD program and at describing her/his specific research interests
Scientific Publications	Articles and/or reviews in scientific journals with peer reviewing, scientific book chapters with national or international circulation
Other Academic qualifications	First or second level Master's degree obtained in Italy and/or specialization degree in subjects consistent with the research topics of this PhD program

Other experiences (training, work, research, teaching, etc.)	<ul style="list-style-type: none"> – Language proficiency certificates – Periods of study abroad, outside the country of origin (e.g. Erasmus programme or other similar mobility programmes) – Other qualifications attesting the suitability of the applicants (scholarships, awards, etc.) 	
EVALUATION CRITERIA		
QUALIFICATION	EVALUTATION CRITERIA	POINTS
Curriculum Vitae et studiorum	Including academic career and postgraduate experience, accompanied by a statutory declaration in lieu of the certification of the exams passed with the relevant marks, as well as the final graduation mark. Voting examinations and graduation marks will be the most relevant element of the evaluation.	Up to 20 points
Graduation thesis	Consistency of the Master's Degree thesis with the doctoral program research topics (briefly describe the topics in the curriculum vitae)	Up to 5 points
Statement of Research Interest	Originality and research attitude	Up to 2 points
Scientific publications	International peer-reviewed papers: up to 2 points National peer-reviewed papers: up to 1 point Book chapters: up to 1 point	Up to 3 points
The Research Project will be evaluated during the Oral Exam		
ORAL EXAM	EVALUATION CRITERIA	POINTS
The ORAL EXAM includes the presentation and discussion of the research project and is intended to assess the suitability of the applicant to pursue scientific research as well as the general knowledge of issues connected to the related topics	Project evaluation score: <ul style="list-style-type: none"> ○ scientific value, originality of the proposal and consistency with the related issues: points 50 ○ articulation of the proposal: points 20 ○ feasibility of the proposal: points 10 ○ English reading and speaking and for foreign candidates also Italian language: up to 10 points 	Up to 90 points
SCHEDULE OF THE ADMISSION EXAMS		
ORAL EXAM	DATE	25 October 2021
	TIME	11:00 am (Italian time)
	PLACE	Food and Drug Department Parco Area delle Scienze, 27/A – Campus 43124 PARMA - ITALY
OTHER INFORMATION	For foreign candidates it is possible to carry out the admission examination exclusively in English, after checking the basic knowledge of ITALIAN LANGUAGE. For Italian candidates it will be possible to take the admission examination in Italian or in English at the candidate's choice.	

DRUG SCIENCES	
CYCLE	XXXVII
COORDINATOR	Prof. Marco MOR email: marco.mor@unipr.it Food and Drug Department
DURATION	3 anni
STARTING DATE OF THE PHD PROGRAM	01/01/2022
TRAINING OBJECTIVES	
<p>The PhD programme "Drugs Sciences" is aimed at the preparation of "Dottori di ricerca" having scientific bases and research experience in the design, discovery, development, production and control of drugs and health products, as well as in the investigation of mechanisms of action for drugs and bioactive compounds. The Course offers multi-disciplinary formation in different scientific areas, mainly chemical and biological with particular focus on medicinal chemistry, pharmaceutical technology, pharmacology and biochemistry. All the contributions converge toward the education and research training of PhD students who, at the end of the course, are expected to produce innovation and new knowledge in the field of drugs, biomolecules, health products and their interaction with biological substrates.</p>	
ADMISSION REQUIREMENTS	<p>Regardless of age and citizenship, applicants holding at least one of the following academic qualifications can apply for admission:</p> <ul style="list-style-type: none"> – Laurea specialistica or Laurea magistrale (second cycle master's degree) – Laurea Vecchio Ordinamento (degree obtained under the previous Italian regulations); – Second cycle Master's degree obtained abroad, equivalent to the above mentioned Italian degrees and recognized as suitable for the admission to doctoral program <p>Undergraduate applicants may also submit applications with the obligation of getting their degree by October 31st 2021.</p>

POSITION PUT OUT TO COMPETITION	4	With Scholarship - Action IV.5 - "Doctorates on Green issues of the PON R&I 2014-2020"	4
Position with Scholarship LINKED TO SPECIFIC TOPICS			
<p>When registering for the competition, candidates must indicate to the Examining Board, in the specific section of ANNEX A, their interest of being assigned one or more scholarships on a specific topic. The Examination Board will evaluate their eligibility based on specific competences, experience and specific aptitudes of the applicants.</p>			
N°	ACTION	BOUND RESEARCH TOPIC	
4	With Scholarship - Action IV.5 - "Doctorates on Green issues of the PON R&I 2014-2020"	<ul style="list-style-type: none"> • New formulation approaches for reducing the environmental impact of artificial insemination in pig farming • The 12 principles of green chemistry applied to the development of innovative lipid-lowering drugs targeting PCSK9 • Sustainable production of polyunsaturated fatty acids by expression of Antarctic enzymes in a temperate diatom • Sustainable zero-impact production of biomaterials from natural renewable sources 	

ADMISSION PROCEDURES		Assessment of QUALIFICATIONS: up to 40 points (a minimum score of 25 points shall be required to be admitted to the Oral Exam) ORAL EXAM: up to 80 points Minimum score for ELIGIBILITY: 70/120
Foreign Language	Language the fluency of which shall be assessed during the Oral Exam: ENGLISH . The evaluation of the knowledge of this language will be oral and will consist in reading and translating of a scientific text.	
CANDIDATES ADMITTED TO THE ORAL TEXT CAN TAKE THE EXAM IN PRESENCE OR REMOTELY IN AUDIO AND VIDEO TELECONFERENCE		
(Candidates who intend to take the Oral Exam remotely must submit request, to this purpose, as per the model attached to the competition notice)		
THE INTERVIEW MAY BE HELD ALSO IN ENGLISH		
LIST OF QUALIFICATIONS TO BE SUBMITTED AND THEIR ASSESSMENT		
MANDATORY DOCUMENTS TO BE ATTACHED TO THE ON-LINE APPLICATION		
ANNEX A	(art. 5 of the Competition notice)	
Identification Document	Scanned Copy of a valid identity document with photo (i.e. identity card, passport)	
Curriculum Vitae et studiorum	No specific CV format is required (see art. 4 of the Competition notice)	
Abstract of degree thesis	Abstract of the second cycle master's degree thesis. Undergraduate applicants must submit the draft of the thesis approved by their supervisor (abstract/draft of the thesis: 10.000 characters including spaces)	
Qualifications	Certificates and academic transcript of records for both Bachelor' and Master' degrees containing the following details for each degree held: (art. 4 of the Competition notice): University that granted the degree - Type of degree (first cycle/second cycle/single cycle) Name of the degree program - Date of graduation - Final mark - List of exams and corresponding scores (academic transcript of records) - Translation into Italian or English (only for degrees issued in languages other than Italian or English).	
Research Project	Drawn up according to the format attached to the competition announcement THE EVALUATION OF THE PROJECT WILL TAKE PLACE DURING THE ORAL EXAM	
FURTHER QUALIFICATIONS THAT MAY BE ATTACHED TO THE APPLICATION, IF IN POSSESSION OF THE APPLICANT (only qualifications attested by a document drawn up in Italian or in English)		
Scientific Publications	Articles and/or reviews in scientific journals with peer reviewing, abstracts of papers or posters presented at conventions or meetings.	
Other Academic qualifications	First or second level Master's degree obtained in Italy and/or specialization degree in subjects consistent with the research topics of this PhD program	
EVALUATION CRITERIA		
QUALIFICATION	EVALUTATION CRITERIA	POINTS
Curriculum Vitae et studiorum	Including academic career and postgraduate experience, accompanied by a statutory declaration in lieu of the certification of the exams passed with the relevant marks, as well as the final graduation mark or, for those enrolled under condition, the exams taken and the relative marks.	Up to 20 points

Graduation thesis	Consistency of the Master's Degree thesis with the doctoral program research topics (briefly describe the topics in the curriculum vitae)	Up to 10 points
Scientific publications	Articles and/or reviews in scientific journals with peer reviewing, abstracts of papers or posters presented at conventions or meetings.	Up to 10 points
ORAL EXAM	EVALUATION CRITERIA	POINTS
The ORAL EXAM includes the presentation and discussion of the research project and is intended to assess the suitability of the applicant to pursue scientific research as well as the general knowledge of issues connected to the related topics	Project evaluation score: <ul style="list-style-type: none"> • scientific value and originality of the proposal: points 15 • articulation of the proposal: points 15 • feasibility of the proposal: points 15 • consistency with the related issues: POINTS 15 ○ Knowledge of the foreign language: points 20	Up to 80 points
SCHEDULE OF THE ADMISSION EXAMS		
ORAL EXAM	DATE	25 October 2021 (remotely oral exam using the Microsoft Teams platform) 26 October 2021 (oral exam in presence)
	TIME	02:00 pm - Italian Time
	PLACE	Food and Drug Department Parco Area delle Scienze, 27/A – Campus 43124 PARMA - ITALY

EARTH SCIENCES	
CYCLE	XXXVII
COORDINATOR	Prof. Marco ROVERI email: marco.roveri@unipr.it Department of Chemistry, Life Sciences and Environmental Sustainability
DURATION	3 anni
STARTING DATE OF THE PHD PROGRAM	01/01/2022
TRAINING OBJECTIVES	
The main aim of the Ph.D. Course in Earth Sciences is to provide highly qualified study and research paths within the large and multidisciplinary framework of Geosciences.	
ADMISSION REQUIREMENTS	Regardless of age and citizenship, applicants holding at least one of the following academic qualifications can apply for admission: <ul style="list-style-type: none"> – Laurea specialistica or Laurea magistrale (second cycle master's degree) – Laurea Vecchio Ordinamento (degree obtained under the previous Italian regulations); – Second cycle Master's degree obtained abroad, equivalent to the above mentioned Italian degrees and recognized as suitable for the admission to doctoral program Undergraduate applicants may also submit applications with the obligation of getting their degree by October 31st 2021 .

POSITION PUT OUT TO COMPETITION	2	With Scholarship - Action IV.5 - "Doctorates on Green issues of the PON R&I 2014-2020"	2
Position with Scholarship LINKED TO SPECIFIC TOPICS			
When registering for the competition, candidates must indicate to the Examining Board, in the specific section of ANNEX A, their interest of being assigned one or more scholarships on a specific topic. The Examination Board will evaluate their eligibility based on specific competences, experience and specific aptitudes of the applicants.			
N°	ACTION	BOUND RESEARCH TOPIC	
2	Action IV.5 - "Doctorates on Green issues of the PON R&I 2014-2020"	<ul style="list-style-type: none"> • Sustainable energy production and mitigation of the impacts of climate change • Hydro-geo-meteorological modeling for adaptation strategies to climate change 	

ADMISSION PROCEDURES	Assessment of QUALIFICATIONS: up to 40 points (a minimum score of 20 points shall be required to be admitted to the Oral Exam) ORAL EXAM: up to 80 points Minimum score for ELIGIBILITY: 70/120
Foreign Language	Language the fluency of which shall be assessed during the Oral Exam: ENGLISH . The assessment of knowledge of this language will be oral and will consist in reading and translating a paragraph of scientific text.

**CANDIDATES ADMITTED TO THE ORAL TEXT CAN TAKE THE EXAM IN PRESENCE
OR REMOTELY IN AUDIO AND VIDEO TELECONFERENCE**

(Candidates who intend to take the Oral Exam remotely must submit request, to this purpose, as per the model attached to the competition notice)

THE INTERVIEW MAY BE HELD ALSO IN ENGLISH

LIST OF QUALIFICATIONS TO BE SUBMITTED AND THEIR ASSESSMENT

MANDATORY DOCUMENTS TO BE ATTACHED TO THE ON-LINE APPLICATION

ANNEX A	(art. 5 of the Competition notice)
Identification Document	Scanned Copy of a valid identity document with photo (i.e. identity card, passport)
Curriculum Vitae et studiorum	No specific CV format is required (see art. 4 of the Competition notice)
Abstract of degree thesis	Abstract of the second cycle master's degree thesis. Undergraduate applicants must submit the draft of the thesis approved by their supervisor (abstract/draft of the thesis: 10.000 characters including spaces)
Qualifications	Certificates and academic transcript of records for both Bachelor' and Master' degrees containing the following details for each degree held: (art. 4 of the Competition notice): University that granted the degree - Type of degree (first cycle/second cycle/single cycle) Name of the degree program - Date of graduation - Final mark - List of exams and corresponding scores (academic transcript of records) - Translation into Italian or English (only for degrees issued in languages other than Italian or English).
Research Project	Drawn up according to the format attached to the competition announcement THE EVALUATION OF THE PROJECT WILL TAKE PLACE DURING THE ORAL EXAM

FURTHER QUALIFICATIONS THAT MAY BE ATTACHED TO THE APPLICATION, IF IN POSSESSION OF THE APPLICANT
(only qualifications attested by a document drawn up in Italian or in English)

Statement of Research Interest	Short text – maximum 1 page – in Italian or in English, aimed at explaining the candidate's reasons to attend the PhD program and at describing her/his specific research interests
Scientific Publications	Articles on national and international journals, papers presented at conferences or symposia, monographs, chapters of books, convention papers, reviews
Other Academic qualifications	First or second level Master's degree obtained in Italy and/or specialization degree in subjects consistent with the research topics of this PhD program
Other experiences (training, work, research, teaching, etc.)	<ul style="list-style-type: none"> – Periods of study abroad, outside the country of origin (e.g. Erasmus programme or other similar mobility programmes) – Other qualifications attesting the suitability of the applicants (scholarships, awards, etc.)

EVALUATION CRITERIA

QUALIFICATION	EVALUTATION CRITERIA	POINTS
Curriculum Vitae et studiorum	Including academic career and postgraduate experience, accompanied by a statutory declaration in lieu of the certification of the exams passed with the relevant marks, as well as the final graduation mark. The marks of the exams and the graduation mark will be the most relevant element of the evaluation	Up to 10 points

Graduation mark	Score related to the final mark: - 110 and 110 with honours (magna cum laude): 5 points - from 107 to 109: 4.5 points - from 105 to 106: 3.5 points - from 100 to 104: 2.5 points - from 95 to 99: 1 point - under 95: 0.5 points	Up to 5 points
Average of the exam marks (if the candidate will attain the degree no later than 31 October 2021)	Score related to the average of the exam marks: - from 28 to 30: 5 points - from 27 to 27.99: 4.5 points - from 26.5 to 26.99: 3.5 points - from 26 to 26.49: 2.5 points - from 25 to 25.99: 1 point - under 25: 0.5 points	Up to 5 points
Graduation thesis	Scientific quality of work performed and consistency of the Master's Degree thesis with the doctoral program research topics	Up to 10 points
Statement of Research Interest	Short text – maximum 1 page – in Italian or in English, aimed at explaining the candidate's reasons to attend the PhD program and at describing her/his specific research interests	Up to 2 points
Scientific publications	<ul style="list-style-type: none"> ○ Abstract presented at a national or international congress: 0.5 point ○ Articles on scientific journals (ISI/SCOPUS): 2 points ○ Other publication (related to the topics of PhD program): 0.5 point 	Up to 10 points
Other Academic qualifications	First or second level Master's degree obtained in Italy and/or specialization degree in subjects consistent with the research topics of this PhD program	Up to 1 point
Other experiences	<ul style="list-style-type: none"> ○ Periods of study abroad: 1 point ○ Scholarships, scientific associations awards: 1 point 	Up to 2 points
ORAL EXAM	EVALUATION CRITERIA	POINTS
The ORAL EXAM includes the presentation and discussion of the research project and is intended to assess the suitability of the applicant to pursue scientific research as well as the general knowledge of issues connected to the related topics	Project evaluation score: <ul style="list-style-type: none"> • scientific value and originality of the proposal: points 30 • articulation of the proposal: points 15 • feasibility of the proposal: points 10 • consistency with the related issues: POINTS 20 <ul style="list-style-type: none"> ○ Knowledge of the foreign language: points 5 	Up to 80 points
SCHEDULE OF THE ADMISSION EXAMS		
ORAL EXAM	DATE	25 October 2021
	TIME	09:00 am (Italian time)



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UNIVERSITÀ
DI PARMA

	PLACE	Department of Chemistry, Life Sciences and Environmental Sustainability EARTH SCIENCES BUILDING Parco Area delle Scienze, 157/A – Campus 43124 PARMA - ITALY
OTHER INFORMATION		For foreign candidates, the admission examinations may be held in English at the candidate's choice.

PHILOLOGICAL-LITERARY, HISTORICAL-PHILOSOPHICAL AND ARTISTIC STUDIES

CYCLE	XXXVII
COORDINATOR	Prof. Italo TESTA email: italo.testa@unipr.it Department of Humanities, Social Sciences and Cultural Industries
DURATION	3 anni
STARTING DATE OF THE PHD PROGRAM	01/01/2022
PARTNER INSTITUTION FOR UNIVERSITY COOPERATION AGREEMENTS	<ul style="list-style-type: none"> • Istanbul Technical University (Turchia)

RESEARCH TOPICS (The candidate **MUST mandatorily** indicate one research topic in the ANNEX A)

- Greek and Latin Philology
- Philosophy
- Italianistics and Romance Philology
- Foreign Languages and Literatures
- History
- History of Art and Entertainment

TRAINING OBJECTIVES

- In **Greek and Latin Philology** the knowledge and skills of doctoral candidates will be deepened in the sciences of antiquity, with particular reference to linguistics, philological-literary studies, archaeology, papyrology, and the development of the Greek and Latin tradition in the Middle Ages and in the Humanistic and Renaissance period. The doctoral candidates will be led to realize a critical edition, a commentary or an essay, concerning texts in Greek or Latin, or the edition of sources or archaeological contexts, according to the complete time span of their tradition and their continuity of life.
- In **Philosophy**, PhD students' critical ability and logical-argumentative skills will be developed, as will their knowledge in the history of philosophy. Phd students will acquire the ability to conduct an original piece of research – which requires being able to put into practice conceptual analysis, reasoning, historic and philological documentation – in the fields of theoretical philosophy, the philosophy of language and aesthetics, and the history of medieval, modern and contemporary philosophy.
- In **Italian and Romance Studies** the aim is to train researchers able both in the linguistic and philological fields as well as literary theory. They will be able to produce critical texts and commentaries of texts from the Romance field or that of Italian literature, and to conduct innovative, historical-literary or thematic analysis of various time periods.
- In **Foreign Languages and Literature**, the focus is on the learning of languages and foreign literature within the European area (English, French, German, Spanish and Russian) as well as, where applicable, their expression in the field of post colonialism. Within the course, original and innovative research activities, based on the latest theoretical and methodological approaches and relevant to the discipline of linguistics (translation, discourse analysis, corpus linguistics, lexicography) and the historical-critical analysis of literature and of the culture between the early modern age and contemporaneity, are promoted.
- In **History**, the goal is to train young academics in the field of historical sciences through the acquisition of skills, methodologies and critical abilities that are necessary for historical, classical and contemporary-age research. PhD students will be supervised during their realisation of original and innovative research projects, focused on various types of sources and dealing with the main issues relating to different perspectives in political and religious history, the history of ideas, and social and economic analysis.
- In **History of Art and the Performing Arts**, the aim is to provide the methodological and critical tools necessary for conducting research in the history of medieval art, or modern or contemporary art, in the history of criticism and museology, but also in the fields of the history of theatre and cinema. PhD students will acquire the ability to consciously recall critical debate, to be able to read the various sources available, and above all the ability to employ philological tools when reading an image.

ADMISSION REQUIREMENTS	<p>Regardless of age and citizenship, applicants holding at least one of the following academic qualifications can apply for admission:</p> <ul style="list-style-type: none"> – Laurea specialistica or Laurea magistrale (second cycle master's degree) – Laurea Vecchio Ordinamento (degree obtained under the previous Italian regulations); – Second cycle Master's degree obtained abroad, equivalent to the above mentioned Italian degrees and recognized as suitable for the admission to doctoral program <p>Undergraduate applicants may also submit applications with the obligation of getting their degree by October 31st 2021.</p>
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POSITION PUT OUT TO COMPETITION	1	With Scholarship - Action IV.4 - "Doctorates and research contracts on innovation topics"	1
Position with Scholarship LINKED TO SPECIFIC TOPICS			
<p>When registering for the competition, candidates must indicate to the Examining Board, in the specific section of ANNEX A, their interest of being assigned one or more scholarships on a specific topic. The Examination Board will evaluate their eligibility based on specific competences, experience and specific aptitudes of the applicants.</p>			
N°	ACTION	BOUND RESEARCH TOPIC	
1	Action IV.4 - "Doctorates and research contracts on innovation topics"	<ul style="list-style-type: none"> • Innovation and Digital Humanities 	

ADMISSION PROCEDURES	<p>Assessment of QUALIFICATIONS: up to 80 points (a minimum score of 30 points shall be required to be admitted to the Oral Exam)</p> <p>ORAL EXAM: up to 40 points</p> <p>Minimum score for ELIGIBILITY: 70/120</p>
Foreign Language	<p>Language the fluency of which shall be assessed during the Oral Exam: FRENCH, ENGLISH, GERMAN, SPANISH (at the candidate's choice).</p> <p>The evaluation of the knowledge of this language will be oral and will consist in reading and translating of a short passage.</p>
<p>CANDIDATES ADMITTED TO THE ORAL TEXT CAN TAKE THE EXAM IN PRESENCE OR REMOTELY IN AUDIO AND VIDEO TELECONFERENCE</p> <p>(Candidates who intend to take the Oral Exam remotely must submit request, to this purpose, as per the model attached to the competition notice)</p>	
<p>THE INTERVIEW MAY BE HELD ALSO IN ENGLISH</p>	
<p>LIST OF QUALIFICATIONS TO BE SUBMITTED AND THEIR ASSESSMENT</p>	
<p>MANDATORY DOCUMENTS TO BE ATTACHED TO THE ON-LINE APPLICATION</p>	
ANNEX A	(art. 5 of the Competition notice)
Identification Document	Scanned Copy of a valid identity document with photo (i.e. identity card, passport)
Curriculum Vitae et studiorum	No specific CV format is required (see art. 4 of the Competition notice)

Abstract of degree thesis	Abstract of the second cycle master's degree thesis. Undergraduate applicants must submit the draft of the thesis approved by their supervisor (abstract/draft of the thesis: 10.000 characters including spaces)
DegreeThesis	PDF of the entire second level degree thesis (master's / specialist / old system). Graduating students must attach PDFs of the thesis draft approved by the supervisor by means of a short declaration attached to the draft
Qualifications	Certificates and academic transcript of records for both Bachelor' and Master' degrees containing the following details for each degree held: (art. 4 of the Competition notice): University that granted the degree - Type of degree (first cycle/second cycle/single cycle) Name of the degree program - Date of graduation - Final mark - List of exams and corresponding scores (academic transcript of records) - Translation into Italian or English (only for degrees issued in languages other than Italian or English).
Research Project	Drawn up according to the format attached to the competition announcement THE EVALUATION OF THE PROJECT WILL TAKE PLACE ALSO DURING THE ORAL EXAM

FURTHER QUALIFICATIONS THAT MAY BE ATTACHED TO THE APPLICATION, IF IN POSSESSION OF THE APPLICANT
(only qualifications attested by a document drawn up in Italian or in English. this restriction does not apply to publications)

Scientific Publications	Monographs, articles in national and international scientific journals, book chapters, conference proceedings, reviews.
Other Academic qualifications	First or second level Master's degree obtained in Italy and/or specialization degree in subjects consistent with the research topics of this PhD program
Other experiences	<ul style="list-style-type: none"> - Periods of study abroad, outside the country of origin (e.g. Erasmus programme or other similar mobility programmes) and post-graduate research activities; - Other qualifications attesting the suitability of the applicants (scholarships, awards, etc.)

EVALUATION CRITERIA

QUALIFICATION	EVALUTATION CRITERIA	POINTS
Graduation mark	Score related to the final mark: - 110 with honours (magna cum laude)	Up to 1 point
Average of the exam marks (if the candidate will attain the degree no later than 31 October 2021)	Score related to the average of the exam marks: - 30/30	Up to 1 point
Graduation thesis	Consistency of the Master's Degree thesis with the doctoral programme research topics, methodological rigor, knowledge of critical literature	Up to 25 points
Research Project	Points relating to the research project : (originality, articulation, feasibility of the proposal, relevance with the topic)	Up to 25 points
Scientific publications	Monographs, articles in national and international scientific journals, book chapters, conference proceedings, reviews, relevance with the topic.	Up to 15 points
Other experiences	Post lauream scholarship, experience abroad, award, etc. relevance with the topic	Up to 14 points

ORAL EXAM		EVALUATION CRITERIA	POINTS
The ORAL EXAM includes the presentation of the research project and is intended to assess the suitability of the applicant to pursue scientific research as well as the general knowledge of issues connected to the PhD course		<ul style="list-style-type: none"> ○ knowledge and methodology necessary for the realization of the project: max 35 points ○ knowledge of chosen foreign language: max 5 points 	Up to 40 points
SCHEDULE OF THE ADMISSION EXAMS			
ORAL EXAM	DATE	26 October 2021	
	TIME	09:30 am (Italian time)	
	PLACE	Department of Humanities, Social Sciences and Cultural Industries Via D'Azeglio, 85 43125 PARMA - ITALY	
OTHER INFORMATION		For foreign candidates, the admission examinations may be held in English at the candidate's choice.	

TRASLATIONAL MEDICAL AND SURGICAL SCIENCES

CYCLE	XXXVII
COORDINATOR	Prof. Nicola SVERZELLATI email: nicola.sverzellati@unipr.it Department of Medicine and Surgery
DURATION	3 anni
STARTING DATE OF THE PHD PROGRAM	01/01/2022
TRAINING OBJECTIVES	
<p>The PhD Program in Translational Medical and Surgical Sciences is a multidisciplinary program, in which the common denominator of the various research activities conducted by the PhD students is represented by the application of the acquired knowledge to clinical practice. In fact, the close link between preclinical and clinical research will allow discoveries and methodological skills acquired through experimental studies to be transferred into medical practice. Such a link will enable PhD students to deal with real problems, ranging from diagnosis to therapy and from prevention to rehabilitation, all of which deeply connected with human diseases and patient care.</p> <p>The bidirectional exchange between lab and clinical research will bring back to the lab the results of clinical and epidemiological observations, and at the same time it will anchor experimental research to issues that originate from real-world inputs and tests carried out directly on humans.</p> <p>Therefore, the final goal of the PhD Program in Translational Medical and Surgical Sciences is to provide a highly qualifying training to the PhD students, offering them opportunities, skills and technological resources necessary to practice translational research at a high level in either public or private Institutions, national or international, including, but not limited to, Universities, Research Institutes and PharmaMed Industries.</p>	
ADMISSION REQUIREMENTS	<p>Regardless of age and citizenship, applicants holding at least one of the following academic qualifications can apply for admission:</p> <ul style="list-style-type: none"> – Laurea specialistica or Laurea magistrale (second cycle master's degree) – Laurea Vecchio Ordinamento (degree obtained under the previous Italian regulations); – Second cycle Master's degree obtained abroad, equivalent to the above mentioned Italian degrees and recognized as suitable for the admission to doctoral program <p>Undergraduate applicants may also submit applications with the obligation of getting their degree by October 31st 2021.</p>

POSITION PUT OUT TO COMPETITION	2	With Scholarship - Action IV.4 - "Doctorates and research contracts on innovation topics"	1
		With Scholarship - Action IV.5 - "Doctorates on Green issues of the PON R&I 2014-2020"	1
Position with Scholarship LINKED TO SPECIFIC TOPICS			
<p>When registering for the competition, candidates must indicate to the Examining Board, in the specific section of ANNEX A, their interest of being assigned one or more scholarships on a specific topic. The Examination Board will evaluate their eligibility based on specific competences, experience and specific aptitudes of the applicants.</p>			
N°	ACTION	BOUND RESEARCH TOPIC	
1	Action IV.4 - "Doctorates and research contracts on innovation topics"	<ul style="list-style-type: none"> • Enabling Technologies • Translational research, Immunotherapy • Hematological diseases • Artificial Intelligence 	

1	Action IV.5 - "Doctorates on Green issues of the PON R&I 2014-2020"	<ul style="list-style-type: none"> Nutrition and Biodiversity)
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ADMISSION PROCEDURES	ASSESSMENT of QUALIFICATIONS: up to 45 points ORAL EXAM: up to 75 points MINIMUM SCORE FOR ELIGIBILITY: 70/120
Foreign Language	Language fluency which shall be assessed during the Oral Exam: ENGLISH . The knowledge of the English language will be assessed orally and will consist in reading and translating a scientific text.
APPLICANTS ADMITTED TO THE ORAL EXAM CAN TAKE IT EITHER IN PRESENCE OR REMOTELY IN AUDIO AND VIDEO TELECONFERENCE (Applicants who intend to take the Oral Exam remotely must submit a formal request, using the form attached to the competition notice)	
THE ORAL EXAM MAY BE HELD ALSO IN ENGLISH	
LIST OF QUALIFICATIONS TO BE SUBMITTED AND THEIR ASSESSMENT	
MANDATORY DOCUMENTS TO BE ATTACHED TO THE ON-LINE APPLICATION	
ANNEX A	(art. 5 of the Competition notice)
Identification Document	Scanned Copy of a valid identity document with photo (i.e. identity card, passport)
Curriculum Vitae et studiorum	No specific CV format is required (see art. 4 of the Competition notice)
Abstract of degree thesis	Abstract of the second cycle master's degree thesis. Undergraduate applicants must submit the draft of the thesis approved by their supervisor (abstract/draft of the thesis: 10.000 characters including spaces)
Qualifications	Certificates and academic transcript of records for both Bachelor' and Master' degrees containing the following details for each degree held: (art. 4 of the Competition notice): University that granted the degree - Type of degree (first cycle/second cycle/single cycle) Name of the degree program - Date of graduation - Final mark - List of exams and corresponding scores (academic transcript of records) - Translation into Italian or English (only for degrees issued in languages other than Italian or English).
Research Project	Drawn up according to the format attached to the competition announcement THE EVALUATION OF THE PROJECT WILL TAKE PLACE DURING THE ORAL EXAM
FURTHER QUALIFICATIONS THAT MAY BE ATTACHED TO THE APPLICATION, IF IN POSSESSION OF THE APPLICANT (only qualifications attested by a document drawn up in Italian or in English)	
Statement of Research interest	Short text – maximum 1 page – in Italian or in English, aimed at explaining the applicant's reasons to attend the PhD program and at describing her/his specific research interests
Scientific Publications	Articles and/or reviews published on peer-reviewed scientific journals, abstracts of papers or posters presented at conventions or meetings; book chapters, etc.
Other Academic qualifications	First or second level Master's degree obtained in Italy and/or specialization degree in subjects related to the research topics of this PhD program.

Other experiences (training, work, research, teaching, etc.)	<ul style="list-style-type: none"> – Research activities (basic, applied, translational, etc.) carried out in any way, including those covered by research grant, and conducted as a staff member of research units – Working activity – Activities at accredited laboratories – Professional and/or training internship – Language proficiency certificates – Periods of study abroad, outside the country of origin (e.g. Erasmus or similar programmes) – Other qualifications attesting the suitability of the applicants (scholarships, awards, etc.) 	
EVALUATION CRITERIA		
QUALIFICATION	EVALUTATION CRITERIA	POINTS
Curriculum Vitae et studiorum	Including academic career and postgraduate experience, accompanied by a statutory declaration in lieu of the certification of the exams passed with the relevant marks, as well as the final graduation mark. The marks of the exams and the graduation mark will be the most relevant element of the evaluation	Up to 18 points
Graduation mark	Score assignable to the final mark: <ul style="list-style-type: none"> - 110 with honours (magna cum laude): 10 points; - 110: 8 points; - From 106 to 109: 5 points; - From 103 to 105: 2 points; - From 100 to 102: 1 point 	Up to 10 points
Average of the exam marks (if the applicant will attain the degree no later than 31 October 2021)	Score assignable to the average of the exam marks: <ul style="list-style-type: none"> - 30/30: 10 points; - From 28/30 to 29/30: 8 points; - From 26/30 to 27/30: 4 points; - From 24/30 to 25/30: 2 points. 	Up to 10 points
Graduation thesis	Congruence with the research topics of the PhD Program and quality of the research methodology	Up to 2 points
Statement of Research Interest		Up to 1 point
Scientific publications		Up to 8 points
Other Academic qualifications	<ul style="list-style-type: none"> • Second level Master's degree and Specialization: 3 points • First level Master's degree and / or Advanced training and / or specialization and / or Higher Education course: 1 point 	Up to 3 points
Other experiences		Up to 3 points
ORAL EXAM	EVALUATION CRITERIA	POINTS
The ORAL EXAM includes the presentation and discussion of the research project and is intend to assess the suitability of the applicant to pursue scientific research as well as the general knowledge of issues connected to the related topics	Project evaluation score: <ul style="list-style-type: none"> • scientific value and originality of the proposal: points 28. • articulation of the proposal: points 15 • feasibility of the proposal: points 12 • consistency with the related issues: points 13 ○ Knowledge of the foreign language: points 7	Up to 75 points
SCHEDULE OF THE ADMISSION EXAMS		



UNIONE EUROPEA
Fondo Sociale Europeo



UNIVERSITÀ
DI PARMA

ORAL EXAM	DATE	22 October
	TIME	09:00 am (Italian time)
	PLACE	Department of Medicine and Surgery BUILDING 26 – INTERNAL MEDICINE CLASSROOM Via A. Gramsci, 14 43126 PARMA - ITALY
OTHER INFORMATION	For foreign applicants it will be possible to carry out the oral exam in English. For Italian applicants it will be possible to take it in either Italian or English.	

VETERINARY SCIENCES	
CYCLE	XXXVII
COORDINATOR	Prof. Gaetano DONOFRIO email: gaetano.donofrio@unipr.it Department of Veterinary Science
DURATION	3 anni
STARTING DATE OF THE PHD PROGRAM	01/01/2022
TRAINING OBJECTIVES	
<p>Veterinary Science Doctoral course aims at training PhD-students about research topics on basic, pre-clinical, clinical and non-clinical areas (animal production and food inspection) by novel methodology and technology. PhD student chooses to develop his/her own research project under the supervision of a Tutor and to produce scientific outcomes in the following area: VET, AGR and BIO.</p>	
ADMISSION REQUIREMENTS	<p>Regardless of age and citizenship, applicants holding at least one of the following academic qualifications can apply for admission:</p> <ul style="list-style-type: none"> – "Laurea Magistrale" LM-42 Veterinary Medicine – "Laurea Magistrale" LM-6 Biology – "Laurea Magistrale" LM-9 Medical Biotechnology, Veterinary and Pharmaceutica – "Laurea Magistrale" LM-86 Zootechnical Sciences and Animal Technologies <p>as well as the equivalent "laurea specialistica" or "laurea" achieved based on the university system in force before the entry into force of Italian Ministerial Decree No. 509/99</p> <ul style="list-style-type: none"> – Second cycle Master's degree obtained abroad, equivalent to the above mentioned Italian degrees and recognized as suitable for the admission to doctoral programs <p>Undergraduate applicants may also submit applications with the obligation of getting their degree by October 31st 2021.</p>

POSITION PUT OUT TO COMPETITION	4	With Scholarship - Action IV.5 - "Doctorates on Green issues of the PON R&I 2014-2020"	4
Position with Scholarship LINKED TO SPECIFIC TOPICS			
<p>When registering for the competition, candidates must indicate to the Examining Board, in the specific section of ANNEX A, their interest of being assigned one or more scholarships on a specific topic. The Examination Board will evaluate their eligibility based on specific competences, experience and specific aptitudes of the applicants.</p>			
N°	ACTION	BOUND RESEARCH TOPIC	
4	Action IV.5 - "Doctorates on Green issues of the PON R&I 2014-2020"	<ul style="list-style-type: none"> • Research and development of strategies for an environmental sustainability of breeding and care of animals. 	

ADMISSION PROCEDURES	<p>Assessment of QUALIFICATIONS: up to 30 points ORAL EXAM: up to 90 points Minimum score for ELIGIBILITY: 70/120</p>
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Foreign Language	Language the fluency of which shall be assessed during the Oral Exam: ENGLISH . The evaluation of the knowledge of this language will be oral and will consist in translation and comprehension of a scientific text.	
CANDIDATES ADMITTED TO THE ORAL TEXT CAN TAKE THE EXAM IN PRESENCE OR REMOTELY IN AUDIO AND VIDEO TELECONFERENCE		
(Candidates who intend to take the Oral Exam remotely must submit request, to this purpose, as per the model attached to the competition notice)		
LIST OF QUALIFICATIONS TO BE SUBMITTED AND THEIR ASSESSMENT		
MANDATORY DOCUMENTS TO BE ATTACHED TO THE ON-LINE APPLICATION		
ANNEX A	(art. 5 of the Competition notice)	
Identification Document	Scanned Copy of a valid identity document with photo (i.e. identity card, passport)	
Curriculum Vitae et studiorum	No specific CV format is required (see art. 4 of the Competition notice)	
Abstract of degree thesis	Abstract of the second cycle master's degree thesis. Undergraduate applicants must submit the draft of the thesis approved by their supervisor (abstract/draft of the thesis: 10.000 characters including spaces)	
Qualifications	Certificates and academic transcript of records for both Bachelor' and Master' degrees containing the following details for each degree held: (art. 4 of the Competition notice): University that granted the degree - Type of degree (first cycle/second cycle/single cycle) Name of the degree program - Date of graduation - Final mark - List of exams and corresponding scores (academic transcript of records) - Translation into Italian or English (only for degrees issued in languages other than Italian or English).	
Reserach project	Drawned up according to the format attached to the competition announcement THE EVALUATION OF THE PROJECT WILL TAKE PLACE DURING THE ORAL EXAM	
FURTHER QUALIFICATIONS THAT MAY BE ATTACHED TO THE APPLICATION, IF IN POSSESSION OF THE APPLICANT (only qualifications attested by a document drawn up in Italian or in English)		
Statement of Research interest	Short text – maximum 2 pages – in Italian or in English, aimed at explaining the candidate's reasons to attend the PhD program and at describing her/his specific research interests	
Scientific Publications	Articles published in journals indexed in databases Wos and Scopus	
Other Academic qualifications	First or second level Master's degree obtained in Italy and/or specialization degree in subjects consistent with the research topics of this PhD program	
EVALUATION CRITERIA		
QUALIFICATION	EVALUTATION CRITERIA	POINTS
Curriculum Vitae et studiorum	Including academic career and postgraduate experience, accompanied by a statutory declaration in lieu of the certification of the exams passed with the relevant marks, as well as the final graduation mark.	Up to 3 points
Graduation mark	Score related to the final mark: - 110 with honours (magna cum laude): 3 points; - 110: 2 points; - From 100 to 109: 0.1 points for each mark unit	Up to 3 points

Average of the exam marks (if the candidate will attain the degree no later than 31 October 2021)	Score related to the average of the exam marks: - 30/30: 3 points; - From 26/30 to 29/30: 2 points; - From 22/30 to 25/30: 1 point; - From 18/30 to 21/30: 0.5 points	Up to 3 points
Graduation thesis	Abstract of the second cycle master's degree thesis	Up to 6 points
Statement of Research Interest	Short text – maximum 2 pages – in Italian or in English, aimed at explaining the candidate's reasons to attend the PhD program and at describing her/his specific research interests	Up to 6 points
Scientific publications	Articles published in journals indexed in databases Wos and Scopus	Up to 7 points
Other qualifications	Scholarship, awards, trainings, etc.	Up to 5 points
ORAL EXAM	EVALUATION CRITERIA	POINTS
The ORAL EXAM includes the presentation and discussion of the research project and is intended to assess the suitability of the applicant to pursue scientific research as well as the general knowledge of issues connected to the related topics	Project evaluation score: <ul style="list-style-type: none"> scientific value and originality of the proposal: points 30 articulation of the proposal: points 30 feasibility of the proposal: points 30 	Up to 90 points
SCHEDULE OF THE ADMISSION EXAMS		
ORAL EXAM	DATE	26 October 2021
	TIME	09:00 am (Italian time)
	PLACE	ROOM "I" Building Inspection Department of Veterinary Science Via del Taglio, 10 43126 PARMA - ITALY
OTHER INFORMATION	Knowledge of the Italian language is required for participation in the exam.	

INFORMATION TECHNOLOGIES	
CYCLE	XXXVII
COORDINATOR	Prof. Marco LOCATELLI email: marco.locatelli@unipr.it Department of Engineering and Architecture
DURATION	3 anni
STARTING DATE OF THE PHD PROGRAM	01/01/2022
TRAINING OBJECTIVES	
The course aims at educating the future Ph.D.'s so that they will enter the research world with an active role, within both universities and industries.	
ADMISSION REQUIREMENTS	Regardless of age and citizenship, applicants holding at least one of the following academic qualifications can apply for admission: <ul style="list-style-type: none"> – Laurea specialistica or Laurea magistrale (second cycle master's degree) – Laurea Vecchio Ordinamento (degree obtained under the previous Italian regulations); – Second cycle Master's degree obtained abroad, equivalent to the above mentioned Italian degrees and recognized as suitable for the admission to doctoral program Undergraduate applicants may also submit applications with the obligation of getting their degree by October 31st 2021 .

POSITION PUT OUT TO COMPETITION	6	With Scholarship - Action IV.5 - "Doctorates on Green issues of the PON R&I 2014-2020"	6
Position with Scholarship LINKED TO SPECIFIC TOPICS			
During the Oral Exam, applicants may express and / or confirm their interest to the Examination Board in being assigned a scholarship dedicated to a specific research topic.. The Board will express its judgement on eligibility to be assigned the scholarship in consideration of the specific competences, experience and specific aptitudes of the applicants.			
N°	ACTION	BOUND RESEARCH TOPIC	
6	Action IV.5 - "Doctorates on Green issues of the PON R&I 2014-2020"	<ul style="list-style-type: none"> • Development of innovative batteries charging systems for automotive applications • Smart drives, enriched by fusion of real and virtual sensors, control and prognostic algorithms, for the exploitation of reluctance motors in industry efficiency improvement, support to reliable renewable energy generation, green and sustainable mobility (to abandon rare materials). • Novel optical components with low energy-per-bit consumption and low cost, based on silicon photonics and graphene-enhanced silicon photonics, for next-generation high-speed telecommunications • SPA: Smart distributed systems for Precision Agriculture 	

	<ul style="list-style-type: none"> • GreenIoT: innovative technologies and techniques for the design and implementation of large scale IoT systems with high energy efficiency • Study and development of machine learning methods to monitor the status of renewable energy production plants
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ADMISSION PROCEDURES	<p>Assessment of QUALIFICATIONS: up to 70 points (a minimum score of 35 points shall be required to be admitted to the Oral Exam)</p> <p>ORAL EXAM: up to 50 points</p> <p>Minimum score for ELIGIBILITY: 70/120</p>
Foreign Language	<p>Language the fluency of which shall be assessed during the Oral Exam: ENGLISH.</p> <p>The evaluation of the knowledge of this language will be oral and will consist of a brief interview on a technical topic (for example a translation of a scientific text).</p>
<p>CANDIDATES ADMITTED TO THE ORAL TEXT CAN TAKE THE EXAM IN PRESENCE OR REMOTELY IN AUDIO AND VIDEO TELECONFERENCE</p> <p>(Candidates who intend to take the Oral Exam remotely must submit request, to this purpose, as per the model attached to the competition notice)</p>	
<p>THE INTERVIEW MAY BE HELD ALSO IN ENGLISH</p>	
<p>LIST OF QUALIFICATIONS TO BE SUBMITTED AND THEIR ASSESSMENT</p>	
<p>MANDATORY DOCUMENTS TO BE ATTACHED TO THE ON-LINE APPLICATION</p>	
ANNEX A	(art. 5 of the Competition notice)
Identification Document	Scanned Copy of a valid identity document with photo (i.e. identity card, passport)
Curriculum Vitae et studiorum	No specific CV format is required (see art. 4 of the Competition notice)
Abstract of degree thesis	Abstract of the second cycle master's degree thesis. Undergraduate applicants must submit the draft of the thesis approved by their supervisor (abstract/draft of the thesis: 10.000 characters including spaces)
Qualifications	<p>Certificates and academic transcript of records for both Bachelor' and Master' degrees containing the following details for each degree held: (art. 4 of the Competition notice): University that granted the degree - Type of degree (first cycle/second cycle/single cycle) Name of the degree program - Date of graduation - Final mark - List of exams and corresponding scores (academic transcript of records) - Translation into Italian or English (only for degrees issued in languages other than Italian or English).</p>
Research Project	<p>Drawn up according to the format attached to the competition announcement</p> <p>THE EVALUATION OF THE PROJECT WILL TAKE PLACE DURING THE ORAL EXAM</p>
<p>FURTHER QUALIFICATIONS THAT MAY BE ATTACHED TO THE APPLICATION, IF IN POSSESSION OF THE APPLICANT (only qualifications attested by a document drawn up in Italian or in English)</p>	
Scientific Publications	Articles on national and international journals, papers presented at conferences or symposia, book chapters etc.

Other experiences (training, work, research, teaching, etc.)		<ul style="list-style-type: none"> – Periods of study abroad, outside the country of origin (e.g., Erasmus programme or other similar mobility programmes) – Other qualifications attesting the suitability of the applicants (scholarships, awards, etc.)
EVALUATION CRITERIA		
QUALIFICATION	EVALUTATION CRITERIA	POINTS
Curriculum Vitae et studiorum	<p>Evaluation of the marks of the exams and of the master's degree mark (if available). The candidate is required to provide the average of the marks of all the exams of the master's degree, in addition to the details of the same</p> <p>It will also be evaluated the congruence of the degree obtained with the PhD themes.</p>	Up to 45 points
Abstract of the Master's degree thesis	Consistency of the Master's Degree thesis with the doctoral program research topics	Up to 15 points
Scientific publications	Evaluation of the editorial position of the publication and its impact on the scientific community on the basis of the available indicators.	Up to 5 points
Other experiences	Duration evaluation (for scholarships and internships), score (for the GRE test), prestige (for awards)	Up to 5 points
ORAL EXAM	EVALUATION CRITERIA	POINTS
The ORAL EXAM includes the presentation and discussion of the research project and is intend to assess the suitability of the applicant to pursue scientific research as well as the general knowledge of issues connected to the related topics	<p>Project evaluation score:</p> <ul style="list-style-type: none"> • scientific value and originality of the proposal: points 10 • articulation of the proposal: points 10 • feasibility of the proposal: points 10 • consistency with the related issues: points 15 <p>○ Knowledge of the foreign language: points 5</p>	Up to 50 points
SCHEDULE OF THE ADMISSION EXAMS		
ORAL EXAM	DATE	22 October 2021 (with possible extension in the following days)
	TIME	10:30 am (Italian Time)
	PLACE	Scientific Headquarters Department of Engineering and Architecture Parco Area delle Scienze, 181/A – Campus Universitario 43124 PARMA - ITALY
OTHER INFORMATION		<p>For foreign candidates, the admission examinations may be held in English at the candidate's choice.</p> <p>For foreign candidates all documents written in a language other than Italian will have to be translated into English, otherwise they will not be evaluated</p>