



**UNIMORE**  
UNIVERSITÀ DEGLI STUDI DI  
MODENA E REGGIO EMILIA

**DEADLINE FOR APPLICATIONS: 20/06/2019 1:00 pm (Italian time)**

Student Services Area  
Postgraduate Office

Rector's Decree No. 279/2019  
Prot. No. 94750 of 21/05/2019

**THE RECTOR**

- GIVEN the Statute of the University of Modena and Reggio Emilia, enacted by Rector's Decree no. 3 of February 6, 2012 and subsequent amendments and additions;
- GIVEN the Italian Prime Minister's Decree of April 9, 2001 on "*Uniform treatment regarding the right to higher education*", in accordance with art. 4 of Law no. 390 of December 2, 1991, and subsequent amendments and additions;
- GIVEN art. 4 of Law no. 210 of July 3, 1998 on "*Guidelines for the recruitment of tenured university researchers and professors*", published in the Official Gazette of July 6, 1998, General Series no. 155, and subsequent amendments and additions;
- GIVEN Ministerial Decree no. 45 of February 8, 2013, on "*Regulations on the procedures for the accreditation of teaching establishments and PhD Programmes by accredited institutions*", published in the Official Gazette of May 6, 2013, General Series, no. 104;
- GIVEN Rector's Decree no. 168 of July 18, 2013, implementing the provisions contained in Ministerial Decree no. 45 of February 8, 2013, to enact the University Regulations governing PhD studies, and subsequent amendments and additions;
- GIVEN the Protocol Agreement of April 7, 2006 between the Ministry of Education, Higher Education and Research, the University of Modena and Reggio Emilia, the "Marco Biagi" Foundation, and the Association for International and Comparative Studies in Labour Law and Industrial Relations, and subsequent amendments;
- GIVEN the Protocol Agreement of April 7, 2006 between the Ministry of Education, Higher Education and Research, the University of Modena and Reggio Emilia, the "Marco Biagi" Foundation, and the Association for International and Comparative Studies in Labour Law and Industrial Relations, and subsequent amendments;
- GIVEN Law no. 240 of December 30, 2010;
- GIVEN the legislation regarding apprenticeship contract for advanced training;
- GIVEN the legislation concerning the "Marie Curie" programmes, with which the European Union allocates funds for graduates selected in the programmes themselves intending to take part in PhD programmes;
- GIVEN the agreement stipulated with the Universities of Parma and Ferrara in relation to the Neuroscience PhD course;
- GIVEN the resolution of the Academic Senate in its session of May 24, 2017 and the Executive Board in its session of May 26, 2017 approving the guidelines for the

use of telematic methods for the selection procedures for admission to PhD programmes;

- GIVEN the Note from the Ministry of Education, Higher Education and Research of February 27, 2019, prot.6623 on the “*Operational indications on PhD Programmes accreditation procedures A.A. 2019-2020-XXXV cycle*”;
- GIVEN the resolutions of the Senate of March 19, 2019 and of the Exexecutive Boards of March 22, 2019 which approved the establishment of PhD programmes, with administrative headquarters at the University of Modena and Reggio Emilia, for the academic year 2019/2020;
- GIVEN the rectoral decree 21 May 2019, n.278 with which determined the amount of tuition and fee charges for enrolment and attendance in PhD programmes for the academic year 2019/2020;
- Given that the Department of Biomedical, Metabolic and Neuroscience Sciences, the Department of Medical and Surgical Sciences, the Department of Studies on Language and Culture of the University were among the 180 Departments of Excellence, recipients of Ministry of Education, University and Research as part of the initiative concerning the Departments of Excellence 2018-2022, foreseen by Law No. 232/2016, as per Ministerial Decree 262/2017 and the note MIUR prot. n. 8414 of 11/07/2017;
- GIVEN the initiative no. 2538 approved by Emilia-Romagna Region Council Resolution of 21.05.2018, no. 769, co-funded by the European Social Fund PO 2014-2020 Emilia-Romagna Region, with which projects and related scholarships for implementation of the three-year Plan High Skills for research, technology transfer and entrepreneurship have been approved;
- GIVEN the Emilia-Romagna Region Council Resolution of 25.03.2019, no. 462, with which projects and related scholarships for implementation of the Plan High Skills for research, technology transfer – POR FSE 2014/2020 have been approved;
- DEEMED it necessary to proceed with publication of the call for applications for the abovementioned courses pending the assessment of the Ministry of Education, Higher Education and Research on the activation of these courses, in order to respect the timetable envisaged by the Ministry of Education, Higher Education and Research for the publication of the rankings;

## D E C R E E S

### **ARTICLE 1 – Institution**

The University of Modena and Reggio Emilia hereby announces selection procedures for admission to the three-year PhD programmes listed in art. 17, which follows, for the XXXV cycle, Academic Year 2019/2020.

**The actual activation of courses and registration are subject to the approval by the Ministry of Education, Higher Education and Research upon positive opinion expressed by the National Agency for the Evaluation of the University System and Research (ANVUR), as indicated in the Ministry Note of February 27, 2019, prot. 6623 on the “Operational indications on PhD Programmes accreditation procedures A.A. 2019-2020-XXXV cycle”.**

Additional scholarships and positions may become available, even in the event that funding is provided by public or private bodies subsequent to the publication of this call for applications, but not after the publication date of the final rankings.

The number of scholarships may also be increased should ministerial funding (“*Piano Giovani*”) become available throughout the project, and may be assigned to qualified

ranked candidates without a scholarship or other types of incompatible funding, who have correctly registered by the deadline and in accordance with the regulations of this competition.

Those candidates who are awarded scholarships will be required to carry out the research projects assigned to them by the competent Board of the PhD Programme, with the exception of any changes as set by the authority.

Those candidates successfully ranked in the list of admitted students who, at the time of their enrolment on the Programme (as indicated in art. 7), express an interest in being considered for an apprenticeship contract for advanced training, may later be selected by the University, to firms, for such a contract, in accordance with Legislative Decree no. 81/2015 and Interministerial Decree 12/10/2015. Selection will be made on the basis of candidates' specific qualifications.

There will be positions reserved for industrial doctorate for employees of the companies listed in art. 17, within the sections relating to Courses.

A candidate holding an apprenticeship contract or industrial doctorate may not at the same time hold a university scholarship or other types of awarded funding, this includes scholarships awarded by foreign Countries or those awarded within specific mobility programmes.

Apprenticeship contracts can be concluded only by candidates who have not yet reached their thirtieth year of age at the time of signing the contract.

**This call is equivalent to notification to all intents and purposes.** Any changes, updates or additions to the content of this call will be announced, **exclusively**, on the following website: <https://www.unimore.it/bandi/StuLau-Sdott.html>.

## **ARTICLE 2 - Admission requirements**

The competition is open to any candidate, regardless of age or nationality, who as of **October 31, 2019**, holds an Italian degree obtained prior to D.M. 509/99 or an Italian second level degree (laurea specialistica, under D.M. 509/99 or laurea magistrale, under D.M. 207/04), or an equivalent academic qualification from a foreign University, that has to be validated by the Selection Committee, following the legislation in force both in Italy and in the Country where the qualification was issued and within the international treaties or agreements on the recognition of international qualifications, in the case where degrees in specific subjects are required for admittance to the Programme.

Candidates who have a foreign academic qualification must submit any relevant documents useful for verifying equivalency (their degree certificate with a list of exams taken, along with an Italian translation, an authentication, and a "declaration of validity" "dichiarazione di valore in loco" issued by the competent Italian consular or diplomatic representative for the country, or, if not yet available, the description of the degree with a list of exams passed, by using Annex A2) to the Postgraduate Office (Via Università, 4, 41121 – Modena), attaching the documents to the application for admission using the online procedure described in Art. 3.

Candidates who complete their degree after the deadline for this call must submit a Degree certificate or the form in Annex A2 (in case of degree awarded by a foreign institution) or a self-certification to prove that the degree has been conferred (using the form in Annex A1, in case of degree awarded by an Italian University):

- in case of degree completed before enrolment: by enclosing the form with the enrolment application form,

- in case of degree not yet completed when enrolling in the PhD Programme: by submitting the form to the Postgraduate Office (Via Università, 4, 41121 – Modena), by and no later than, October 31, 2019, using one of the following methods: HAND DELIVERY during office hours (Monday and Wednesday from 1:30 to 3:30 p.m.; Tuesday and Thursday from 10:00 a.m. to 1:00 p.m.), or REGISTERED MAIL, or COURIER (the University Administration will recognise the date of receipt of the parcel and not the sending date) or FAX to +39 059/2056574 or E-MAIL to the address [segr.postlaurea@unimore.it](mailto:segr.postlaurea@unimore.it).

For the purposes of admission to the doctorate course, in any case, Italian nationals and foreigners holding a foreign academic qualification must submit their degree certificate with a list of exams taken, along with an Italian translation, an authentication, and a “declaration of validity” (“dichiarazione di valore in loco”) issued by the competent Italian consular or diplomatic representative for the country, in accordance with current admission regulations concerning foreign students, to the Postgraduate Office, by and no later than, December 31, 2019, using one of the methods described above. Further information is available at [www.istruzione.it](http://www.istruzione.it) - “University” – “Foreign students”. The University reserves the right to exclude from the competition any candidate who has not submitted the required documents by the deadline cited above without a justified reason.

Candidates who, at the date of the deadline of this call, are employed by the companies listed in Art. 17 within the sections relating to PhD Programmes, may take part in the selection process for industrial doctorates. For the purposes of registration to the Programme, suitable candidates must have a permanent or fixed-term contract of employment; in the case of fixed-term contracts, the duration of the contract, which is not relevant for the purposes of admission to the selection procedures, must in any case cover at least the official duration of the Programme (1 November 2019 – 31 October 2022).

The information sent by candidates will be carefully checked by the competent offices in order to verify correctness.

All candidates are admitted to the selection conditional upon verification of the aforementioned requirements.

The University Administration reserves the right to exclude, at any time, candidates who have not the requirements for admission.

### **ARTICLE 3 – Admission applications**

Applications for admission to competitions and any required enclosures must be submitted following the online procedure by the final deadline of **June 20, 2019, at 1:00 p.m. (local time)**, when the competition closes. Candidates failing to comply will not be considered.

Candidates interested in a PhD Programme must submit an admission application, with a request to take part in the relevant selection procedure.

Candidates interested in more than one PhD Programme must submit a separate admission application for each individual Programme.

**Candidates interested in applying for more than one selection procedure must submit the application forms for each of the selections in which they want to take part. This applies in case of PhD Programmes where there are more than one selection procedures (as indicated in art. 17 in the paragraphs related to each Programme), because of the different types of available reserved places.**

Admission applications and any required enclosures (academic qualifications, documents and publications considered useful for competition purposes) must be submitted to this Administration before the final deadline for the competition, using the following method only:

- **by Internet**, on the University website <https://www.esse3.unimore.it/Home.do> (new users must register by selecting “Menu”, top right, and then “Registration”; those who have already registered should select “Menu”, top right, and then “Login” and proceed with the following steps: insert username and password, and then, select “Menu” – “Student Area” - “Admission” – “Admission Exams” – “Ph. D.”);

All academic qualifications, documents and publications considered useful for the application procedure must be attached in .pdf or .rtf file form with a maximum size of 20 MB. Attachments larger than 20 MB must be divided into smaller files.

**Each application must refer to a single selection procedure and will require a payment of € 25.00, not refundable, to cover administrative costs. Therefore, candidates wishing to apply to more than one selection procedure must submit a separate application and the € 25.00 fee for each selection procedure.**

Payment must be made using one of the following methods:

- 1) on line by credit card;
- 2) at any bank throughout Italy (including automatic teller machines, via telephone banking or Internet banking for those banks providing such services), using the special payment slip in MAV (*mediante avviso*) bank format printed out at the end of the admission application procedure.
- 3) through the PAGO PA circuit that allows to pay online (by choosing your Payment Service Provider – PSP) or alternatively to print the payment notice to be delivered personally to Banks and ATMS, SISAL, Lottomatica and ITB stores

The payment of € 25.00 must be made before June 20, 2019.

Candidates must keep the payment receipt for € 25.00. First year candidates should instead enclose it with the enrolment application form before the deadline and in accordance with the terms and conditions in art. 7.

**The application for admission will be considered to be correctly filed only by saving the data (“Save the data”) after the “Explicit confirmation of the validity of the application” given by the candidate at the end of the online procedure mentioned above.**

Before the data saving (“Save the data”) that follows the “Explicit confirmation of the validity of the application”, and prior to the deadline for the competition, candidates may add, change or remove attached academic qualifications, documents and publications using the abovementioned website. The procedure is as follows: select “Menu”, “Login”, insert username, password, and then, in the Student area, select “Admission”).

After the data saving (“Save the data”) that follows the “Explicit confirmation of the validity of the application”, in the case of errors or incomplete insertion of attachments using the online procedure, candidates will only be able to send this information on an optical disk (CD-ROM or DVD), along with the signed application for admission and a photocopy of a valid identity document, before the final deadline of the competition (June 20, 2019, at 1:00 p.m.), to the Postgraduate Office (Via Università, 4, 41121 – Modena). One of the following methods may be used: HAND DELIVERY during office hours Monday from 1:30 to 3:30 p.m.; Tuesday and Thursday from 10:00 a.m. to 1:00 pm or

REGISTERED MAIL, or COURIER (the University Administration will recognise the date of receipt and not the date of sending). In the case where attachments on optical disk are not received before the deadline, and in the manner indicated, only the documents included online will be evaluated.

Applications and supporting enclosures may not be submitted by e-mail or fax.

The University Administration reserves the right to exclude, at any time, candidates who have not paid the fee of € 25.00 referred to in this Article.

The University Administration does not respond in the event that the candidate incurs errors in the choice of selection of his interest. In this case the candidate must produce new instance and provide for the payment of the contribution provided by the deadlines of this call.

Any communications to candidates concerning this call are made by e-mail. For this purpose is used e-mail address indicated by the candidate during the registration procedure referred in Article. 3. Candidates, whose email addresses are already present in the registry, are asked to want to update data if necessary.

**In the event of any technical and/or operating difficulties, please write to the following e-mail address: [webhelp@unimore.it](mailto:webhelp@unimore.it).**

Admission applications, submitted in accordance with the indications given above, will be considered valid only if they reach this Administration before the final deadline.

Therefore, any applications arriving after the deadline, or not submitted in accordance with above requirements, will not be considered.

As part of the procedural information in making the application, the candidate takes personal responsibility for declarations in relation to:

- a) name and surname;
- b) place and date of birth;
- c) residential address, telephone/cell number, elected domicile for the purposes of this competition, and e-mail address;
- d) tax identification number ("codice fiscale"- if candidates have one. Candidates who do not have a tax identification number need only to confirm the one that will automatically be assigned to them by the system);
- e) citizenship;
- f) possession of an Italian old ordinance degree or second level degree (laurea specialistica or laurea magistrale), or an equivalent academic qualification issued by a foreign University;
- g) the exact title of the PhD Programme chosen by the candidate;
- h) knowledge of a second foreign language (either French, German or Spanish), in addition to English;
- i) curriculum vitae (that must include the Skype address);
- j) academic qualifications and any other documents;
- k) publications;
- l) in the case of candidates with disabilities, in accordance with Law no. 104 of February 5, 1992 or with diagnosis of SLD, in accordance with Law no.170 of October 8, 2010, any accommodations required for taking the examinations. The same request for assistive devices to take the examinations must be sent by mail to: [disabilita@unimore.it](mailto:disabilita@unimore.it) and [segr.postaurea@unimore.it](mailto:segr.postaurea@unimore.it) . (subsequently the candidate will be contacted by the *Welcome Office for Students with Disability* to agree on the methods of transmission of the relative medical certification).

By submitting the application, the candidate agrees:

- 1) to attend the PhD programme on a full-time basis, in accordance with the conditions established by the Teaching Committee;
- 2) to notify the University immediately of any changes in residence or address;
- 3) in the case of Italian nationals or foreign citizens holding a foreign degree, to send the degree certificate, with a list of exams taken, along with an Italian translation, an authentication and “declaration of validity” issued by a competent Italian diplomatic-consular representative for the country, in accordance with the regulations governing the admission of foreign students to Italian university degree courses, by the final deadline of December 31, 2019;
- 4) in the case of candidates who complete their degree after the deadline for this call, but before October 31, 2019, to send their degree certificate or facsimile attachment A2 (if awarded by a foreign university) or a self-certification to prove that the degree has been conferred (if awarded by an Italian university, please use form in Annex A1), by the final deadline and in accordance with the conditions indicated in art. 2 of this competition. Candidates failing to comply will not be considered.

The Administration may decide, at any time, with its reasoned decision, the exclusion from the selection.

Admission applications and or related attachments will not be considered for any of the following reasons: submission or receipt of applications after the deadline or non-compliance with the procedural requirements of the competition.

The Administration cannot be held responsible for any loss of correspondence due to the following situations: incorrect contact details, failure or delay in notification of a change in address, technical errors, negligence of third parties, or a *force majeure*. Furthermore, the Administration shall assume no responsibility for attachments not received as a result of third-party involvement, faulty attachment of documents by the candidate, or any type of network failure.

#### **ACADEMIC QUALIFICATION CERTIFICATES, DOCUMENTS AND PUBLICATIONS:**

Candidates with any academic qualification certificates, documents or publications considered useful for the purposes of the competition procedures must attach the following certificates, documents and publications, except in the cases stipulated in Art. 17, for each Programme:

- 1) (for candidates holding an Italian degree) a self-certification to prove to meet the requirements (using the form in Annex A1) in accordance with articles 46 and 47 of the Presidential Decree 445/2000;
- 2) (for candidates holding a foreign degree) degree certificate with a list of exams taken, along with an Italian translation, an authentication, and a “declaration of validity” “dichiarazione di valore in loco” issued by the competent Italian consular or diplomatic representative for the country, or, if not yet available, the description of the degree with a list of exams taken together with a statement of truth of the certificates attached, by means of a self-certification in accordance with Articles 46 and 47 of the Presidential Decree 445/2000 using Annex A2;
- 3) scanned copy of a valid identity card or passport;
- 4) curriculum of research and teaching activities;
- 5) academic qualification certificates and documents considered useful for the purposes of evaluation with corresponding list;

- 6) letter/letters of presentation/reference/recommendation; in the online admission application candidates must enter name, surname, e-mail address, status, Institution/Organization of affiliation of the academic/researcher/expert for the letter of presentation/reference/recommendation. After the data saving ("Save the data") that follows the "Explicit confirmation of the validity of the application" by candidates, the computer system will send an e-mail to the referent to request to insert a presentation/reference/recommendation letter and containing the instructions for the upload. The deadline for the referent to upload the letter is June 24, 2019, at 23:59 (italian time); the candidates can check on the summary page of the application form (can be reached by accessing the University's website at <https://www.esse3.unimore.it/Home.do> and making the "Login") if the presentation/reference/recommendation letter was sent by the referent. Within the deadline of June 24, 2019, at 23:59 (italian time), the candidates can send to the referent who has not yet completed a reminder by selecting the item "reminder" from the summary page of the application form. The administration reserves the right to accept and transmit the letters of reference that should arrive after the deadline. The evaluation will take place at the discretion of the selection committee, provided that it has not already been completed;
- 7) academic publications with corresponding list;
- 8) document in which the candidate expresses his or her interest in one of the curricula within the PhD programme, provided they are indicated in Art. 17 in the sections dedicated to each Programme. This is purely for information purposes and therefore not binding;
- 9) document in which the candidate expresses his or her interest in applying primarily for one or more reserved places, where provided and mentioned in art. 17 in the sections related to each PhD Programme (by completing Annex D1, D2 o D3). Should the programmes have different types of reserved places the candidate may express interest for a single type of reservation.

Under article 15 of Law no. 183 of November 12 2011, certificates regarding personal qualities, status and facts issued by the public administration can be only used for private purposes. Self-certification, under articles 46 and 47 of Presidential Decree 445/2000, can replace attested declarations for public administration or public services purposes.

Publications in languages other than Italian, English, French, German or Spanish, or which do not include a summary in one of the abovementioned languages, must be produced in the original language and translated into Italian.

Certificates issued by the competent authorities of the foreign candidate's country of citizenship must comply with the provisions in force in the same country. Certificates in a language other than Italian, English, French, German or Spanish, must also be translated and authenticated by the competent Italian diplomatic or consular authorities.

An Italian translation must be attached to all documents written in a language other than Italian, English, French, German or Spanish and must be certified as conforming to the foreign text by a competent Italian diplomatic authority or an official translator.

Printed documents and those on optical disks (CD-ROM or DVD), sent in accordance with articles 2 and 3, can be picked up at the Postgraduate Office from June 1 to July 30, 2020.

Printed documents, CD-ROMs and DVDs will not be available for pick up after the abovementioned deadline.

#### **ARTICLE 4 – Selection Committee**

Each committee responsible for the evaluation of candidates will be appointed by a Rector's decree and composed of three permanent members and one or more substitute members. They will be selected from the University's tenured professors and researchers. A maximum of two Italian and/or foreign experts may be chosen from public and private research bodies or institutions. An administrative staff clerk may be called to verbalize.

#### **ARTICLE 5 – Admission procedures**

The selection procedure and schedule of examinations, where applicable, are indicated in art.17, in the sections relating to each PhD Programme.

In the event of selection procedures requiring an interview, the interview procedures are indicated in art.17, in the sections relating to each PhD Programme

Where specified in the selection procedure, the required interview will include a language proficiency test in English and in another optional foreign language indicated by the candidate at the time of application.

**Candidates may sit the interview using audio and video web conferencing methods (Skype), if such method is permitted in the section of each Programme. In this case, candidates can freely decide to be present on the day and at the time set for the “live” interview or to be connected to Skype at the time indicated in the sections specified for each Programme,**

**Candidates must enter their Skype address in their curriculum.**

During interviews held via Skype, at the start of the interview candidates must exhibit the ID document annexed to the Esse3 computerised procedure. The candidate must be connected to Skype on the day and at the time indicated in the sections relating to each PhD Programme.

The interview held via Skype will not be possible in the event of: non-notification of the candidate's personal Skype address, lack of internet connection, the absence of the candidate on the day and time set for the interview or the impossibility to exhibit a valid identity document. No dates other than those indicated in the sections of each PhD Programme are available. The University of Modena and Reggio Emilia declines all liability for any technical impediments to holding the interview via Skype.

In the case of assessment based on qualifications only, the Board may contact the candidates via audio and video web conference (Skype) for an interview to discuss the materials submitted; for this reason, candidates must enter their Skype address in their curriculum. This interview will not lead to any additional score

In the event of selection procedures requiring examinations or academic and research records and exams, candidates will be admitted subject to presentation of a valid identification document.

#### **ARTICLE 6 – Ranking**

At the end of the selection process, each committee will publish a final merit-based list ranking the candidates.

The final merit list will be approved by a Rector's Decree, once all documentation has been declared valid.

Candidates will be admitted to Programmes according to their positioning on the merit list until all available places have been allocated for each PhD Programme.

The final rankings of candidates will be announced publicly exclusively by:

- publication on the University website at <https://www.unimore.it>, under: (“Academic programmes”/“Doctorate Programmes”), within the designated section for each PhD Programme.

Should a candidate qualify for a place in more than one ranking, he/she may register for only one PhD Programme.

Candidates may not enrol in a PhD Programme if they are already enrolled in another PhD Programme, Degree or Diploma Programme, Specialisation Programme (medical area excepted), Tirocinio Formativo Attivo (Teachers' Training Programmes) or Level I and II Master's Programme of the University of Modena and Reggio Emilia, or any other University.

Candidates in a position in the ranking list for admission to the PhD Programme may at the same time attend the programme and the last year of a Specialization School in medical area, in compliance with the following criteria:

- the joint attendance of the last year of the Specialization School and the PhD programme is permitted only when the place of attendance of both programmes is the same;
- students enrolled on the last year of the Specialization School can enroll on the PhD Programme, following art. 7, they will have to submit the no impediment form issued by the Specialization School Committee decided on the compatibility with the commitment and the activities required by the School itself;
- admission to the second year will be decided by the PhD Programme Teaching Committee depending on the research activities carried out throughout the Specialization School when students attended both the PhD Programme and the Specialization School. Research activities have to be confirmed also by the Specialization School Committee;
- when students are attending both the Specialization School and the PhD Programme they cannot benefit from the PhD scholarship.

## **ARTICLE 7 – Enrolment**

Within the mandatory ten-day time limit, starting from the day after the publication of the final rankings on the University Web site (as cited above in Art. 6), those candidates qualifying for a place on the merit list must enrol in the first year of the PhD Programme, using the method mentioned below (Failure to comply will result in the loss of right to admission):

by internet, through the University website at <https://www.esse3.unimore.it/Home.do> (select "Menu", than 'Login' and, using the username and password assigned by the system at the time of registration for the competition, or the one already held by students of the University of Modena and Reggio Emilia, follow the instructions: "Student Area" - "Enrolment" – "Enrolment according to ranking"; if an applicant has forgotten his/her username and password, assistance is available via email at [webhelp@unimore.it](mailto:webhelp@unimore.it)).

Candidates will be asked to enclose the digital copy of the following documents:

- a) digital passport photo (in JPEG or BITMAP format);
- b) scanned copy an identity document, duly signed;
- c) scanned copy of the tax identification card;
- d) scanned copy of the receipt for the payment of € 25.00 required for participation in the competition, in accordance with art. 3;
- e) self-certification to prove the possession of a university degree (using the form in Annex A1 for Italian degrees or the form in Annex A2 for foreign degrees), in case of degree already awarded;
- f) in case of applicants with scholarship, Annex G "Declaration accompanying application for enrolment on a PhD Programme" - part 1 and part 2;

- g) in case of applicants without scholarship, Annex H “Declaration accompanying application for enrolment on a PhD Programme”;
- h) declaration of interest in a possible apprenticeship contract for advanced training to be drawn up in accordance with Legislative Decree no. 81/2015 and Interministerial Decree 12/10/2015 in conjunction with any interested firms (using Annex E). This is purely for information purposes and is, therefore, not binding;
- i) (in case of students of specialization schools in the medical area) a written permission issued by the Specialization School Committee, following previous art. 6.
- j) (in case of students awarded a position reserved for applicants for the industrial doctorate) the copy of their job contract or a declaration by their employer or self-certification under articles 46 and 47 of Presidential Decree 445/2000 regarding the type and length of contract, in accordance with article 2 of this Call. Candidates not already in possession of the above documentation must submit it by October 31, 2019 via e-mail to [segr.postlaurea@unimore.it](mailto:segr.postlaurea@unimore.it)

Please note that the mere completion of the online form is NOT sufficient for enrolment. PhD students must pay the single tuition payment by the aforementioned deadline date (i.e. within ten days of the publication of the rankings). Failure to comply within this deadline will result in exclusion from the PhD program.

Payment must be made at the end of the enrolment procedure using one of the following methods:

- at any bank throughout Italy (including automatic teller machines, via telephone banking or Internet banking for those banks providing such services), using the special payment slip in MAV (*mediante avviso*) bank format printed out by selecting “Stampa Domanda di Immatricolazione” (“Print Enrolment Application”);
- on line by credit card by selecting “Tasse” (“Taxes”).
- through the PAGO PA circuit that allows to pay online (by choosing your Payment Service Provider – PSP) or alternatively to print the payment notice to be delivered personally to Banks and ATMS, SISAL, Lottomatica and ITB stores.

The print copy of the enrolment application and receipt of payment must be kept by the applicant and not submitted to the Office.

Candidates gaining their academic qualification after the date of enrolment must submit Annex 1 (if the qualification is conferred in Italy) or Annex 2 (if the qualification is conferred abroad) to the Postgraduate Office (Via Università n.4, 41121-Modena) no later than October 31, 2019, using one of the following methods: HAND DELIVERY during office hours (Monday and Wednesday from 1:30 to 3:30 p.m.; Tuesday and Thursday from 10:00 a.m. to 1:00 p.m.), or REGISTERED MAIL, or COURIER (the University Administration will recognise the date of receipt of the parcel and not the sending date) or FAX to +39 059/2056574 or E-MAIL to the address [segr.postlaurea@unimore.it](mailto:segr.postlaurea@unimore.it).

**Italian nationals and foreigners holding a foreign academic qualification must present their degree certificates with a list of exams taken, along with an Italian translation, and a “declaration of validity” (“dichiarazione di valore in loco”) provided by the Italian Consulate or diplomatic representative for the country concerned, to the Postgraduate Office no later than December 31, 2019, using one of the following methods: HAND DELIVERY during office hours (Monday and Wednesday from 1:30 to 3:30 p.m.; Tuesday and Thursday from 10:00 a.m. to 1:00 p.m.), or REGISTERED MAIL, or COURIER (the University Administration will recognise the date of receipt of the parcel and not the sending date) or FAX to +39 059/2056574 or E-MAIL to the address [segr.postlaurea@unimore.it](mailto:segr.postlaurea@unimore.it).**

**In absence of “declaration of validity” (“dichiarazione di valore in loco”), this Administration may, in his unquestionable judgment, decide not to pay the doctoral scholarship until the “declaration of value” is presented. In any case, once presented, if this highlights the absence of the admission requirements, we will proceed with the exclusion of the PhD student.**

As soon as the registration procedure has been completed, all recipients of scholarships must register with the I.N.P.S. Separate Management Fund (“Gestione Separata”) and forward a self-certification to prove registration (using ANNEX F “Self-certification of subscription to Gestione Separata Inps”) to the Salaries Office (“Ufficio Contabilità”) by November 6, 2019, by fax to +39 059/2057109 or by sending a scanned copy to via e-mail [ufficiostipendi@unimore.it](mailto:ufficiostipendi@unimore.it). If PhD students are already registered with the I.N.P.S (Italian Social Security Institute) Separate Management Fund as a result of previous collaboration with other institutions, they merely need to forward the self-certification confirming the registration with the I.N.P.S (by fax as indicated above).

Foreign citizens who do not yet have a tax identification number must apply to the “Agenzia delle entrate” (Italian Revenue Agency) upon arriving in Italy and must forward a copy of the card issued by the Agency before November 6, 2019, to the Postgraduate Office, by fax at +39 059/2056574 or by sending a scanned copy via mail to [segr.postlaurea@unimore.it](mailto:segr.postlaurea@unimore.it).

**For information and assistance concerning the Tax ID code, housing, residence permit, registration with the I.N.P.S. Separate Management Fund (“Gestione Separata”), foreign nationals may submit a request to the International Welcome Desk Office, at: [internationalwelcomedesk@unimore.it](mailto:internationalwelcomedesk@unimore.it).**

Any candidates who have not completed their enrolment in accordance with the terms and conditions indicated above will be considered as withdrawn.

In the event that, from the documentation presented by the candidate, are found, false declarations relevant for the purposes of registration, without prejudice to the penal sanctions referred to in Article 76 of the D.P.R. n.445 dated 28/12/2000 and subsequent modifications, the candidate automatically is excluded, and any enrollment and the fees paid by the interested party will not be refunded.

The university administration reserves the right to ask enrolled students to complete the enrolment documentation if incomplete and/or to provide payment receipt of the single or first instalment.

Any remaining places will be assigned to alternate candidates, according to their positioning on the final merit list.

Vacant reserved places can be filled by other selected candidates or, when there are more than one selection procedures, they will be added to the number of available places of the main selection.

#### **ARTICLE 8 – Reassignment of Places**

In the event of vacancies, eligible candidates will be contacted by e-mail and will be invited to enrol, in accordance with the requirements indicated in the preceding article, within four days from the time of receipt of the email. Failure to comply will result in loss of the right to admission.

The procedure will be considered complete within 90 days from the day the list of admitted candidates for the academic year 2019/2020 is posted on the University Web site, under art. 6.

## **ARTICLE 9 - Scholarships**

The number of study scholarships assigned is indicated in art. 17, divided by courses; these scholarships will be awarded according to the positioning of candidates on the final merit list.

In the case of candidates of equal merit, a decision will be made on the basis of the candidates' financial situation, determined in accordance with the Italian Prime Minister's Decree of April 30, 1997 and subsequent amendments. Candidates of equal merit will be requested by e-mail to submit for the purposes of evaluating their financial situation:

- Receipt of submission of the Single Sworn Declaration for calculating the ISEE bracket (DSU); this must be forwarded within the final deadline of four days from the day the e-mail was sent. Failure to comply will result in loss of the right to admission.
- The formal I.S.E.E. (Indication of Equivalent Financial Situation) by I.N.P.S.; this must be forwarded within the final deadline of ten days from the day the e-mail was sent. Failure to comply will result in loss of the right to admission.

The annual amount of a study scholarship is € 15.343,28 (barring subsequent regulatory amendments) and is subject to the I.N.P.S. social security contribution under the separate management fund.

Study scholarships are automatically renewed when PhD students continue in the following year, unless a motivated ruling to the contrary is made by the Teaching Committee.

Study scholarships will be paid in monthly deferred instalments.

PhD scholarships cannot be combined with other scholarships or other forms of financial assistance paid by the University and/or the State, with the exception of those designed to be integrated with PhD student research activities, for periods spent abroad.

Scholarship amounts will be increased by 50% for periods spent abroad of no longer than 18 months.

## **ARTICLE 10 - Fees for PhD Programmes**

Fees for PhD programs in "Clinical and experimental medicine (CEM)" and "Neurosciences" which must be paid in one installment to the enrollment by those who enroll are € 181.05 (the amount of the payment slip that can be downloaded online includes the regional tax, the stamp duty and the insurance coverage with medical fault and contagion risk).

Fees for PhD program in "Molecular and regenerative medicine" which must be paid in one installment to the enrollment by those who enroll are € 171.05 (the amount of the payment slip that can be downloaded online includes the regional tax, the stamp duty and the insurance coverage with contagion risk).

Fees for other PhD programs which must be paid in one installment to the enrollment by those who enroll are € 159.05 (the amount of the payment slip that can be downloaded online includes the regional tax, the stamp duty and the insurance coverage).

Candidates, if in possession of the provided requirements, can apply to Er.GO (Regional Agency for the Right to Higher Education) for the following benefits:

- Scholarship (financial support to the study, with admission by ranking list) incompatible with other types of scholarships awarded for any purpose;
- Accommodation facilities, (with admission by ranking list) for non-resident students "Fuorisede";
- Subsidies for catering service.

Therefore, anyone intending to apply for one of the aforementioned benefits must exclusively refer to the Announcement and to the Application procedure of the Regional Agency for the Right to Higher Education – District headquarters of Modena and Reggio Emilia for the 2019/2020 academic year, that will be available at [www.er-go.it](http://www.er-go.it) (selecting “Servizi” – “Diritto alla studio”) starting from the middle of July 2019.

To request interventions for the right to study it is necessary to be in possession of the ISEE Certification 2019 for subsidized services for the right to university study.

The 2019/2020 ISEE Guide is available on the ER.GO website

[https://www.er-go.it/fileadmin/user\\_upload/mvm/BANDI\\_2019\\_2020/GUIDE\\_REGOLAMENTO/Guida\\_ISEE\\_2019-2020\\_2.pdf](https://www.er-go.it/fileadmin/user_upload/mvm/BANDI_2019_2020/GUIDE_REGOLAMENTO/Guida_ISEE_2019-2020_2.pdf)

**Applications can be submitted even if not yet enrolled on a PhD Programme. Therefore, applications can be submitted even if the final rankings of candidates for admission to PhD Programmes have not yet been announced publicly.**

For information and advice exclusively in completing the online application contact:

- “Parla con ER.GO” 051.19907580 – available every day from Monday to Friday - from 9.30 am to 4.00 pm
- “ER.GO Risponde” – <http://www.er-go.it/fileadmin/include/faq/index.php>

For graduate students awarded with places reserved for industrial doctorate, the fees for participation in the PhD programme is covered entirely by the enterprise for which they work and will be paid directly by the company to the University, at the request of the latter.

Yearly fees for PhD students awarded with places reserved for “apprenticeship contract for advanced training”, under Legislative Decree no. 81/2015 and Interministerial Decree 12/10/2015, are Euro 2,500.00.

These fees will be entirely covered by the Emilia-Romagna Region, which will directly pay the University of Modena and Reggio Emilia on behalf of the students.

The student must make the payment of fees with the amount and in the manner and time allowed as indicated above by the call for regular enrolment in a PhD.

The University will only refund the money to the PhD student once it has received payment from the regional authority.

Should the amount paid by the regional authority be higher than the one that paid by the student, the remaining amount will be kept by the University to cover expenses related to the PhD Programme.

Should the regulations set for the “apprenticeship contract for advanced training and research” not be observed and the regional authority thus fail to cover the fees, the University will not refund students.

The amounts, and the deadlines for the contribution for the following years will be determined from year to year and will be notified on the web page <http://www.unimore.it/didattica/dottorati.html> (approximately towards the end of July).

## **ARTICLE 11 - Rights and Responsibilities of PhD Students**

PhD Programmes require a full-time and exclusive commitment. PhD students may accept forms of employment pending authorization from the PhD Programme Teaching Committee. For PhD students with scholarship, work activities must regard jobs directly pertaining to the PhD research area and should be formative in nature. Students without scholarship must also obtain authorization from the Teaching Committee though the right to support oneself economically will be taken into consideration. Research grants to PhD students without scholarships are allowed, provided the Teaching Committee deems the

research area compatible with topic of the doctoral thesis. PhD students are required to perform the research projects assigned to them and to be involved in related study, further research, and teaching, as well as any internships affiliated with public or private bodies, in accordance with the requirements set by the competent Teaching Committee. Students who fail to comply may be withdrawn from the programme.

The other responsibilities and rights of doctoral students, including incompatibility, exemption from the obligation to attend, and the conditions of exclusion, as well as the procedure for awarding the PhD, are regulated by the provisions in art. 16 of this competition.

#### **ARTICLE 12 – Public employees**

In accordance with the law, upon submitting an application, public employees who are admitted to a doctoral programme, in keeping with administrative requirements, are granted a leave of absence for study purposes, without remuneration, for the duration of the programme, and will receive a research grant, where applicable. In cases where they are admitted to a PhD programme without a scholarship, or if they decline a scholarship, they shall be entitled to the remuneration, insurance, and pension contributions pertaining to the public body by which they are employed. In cases where the employment relationship with the public body is terminated by the employee within two years after the awarding of the PhD degree, the employee shall be required to reimburse the amounts of the abovementioned remuneration and contributions.

Public employees who have already earned a PhD or who have been enrolled in a PhD program for at least one year, thereby benefiting from a leave of absence, are not entitled to an additional leave of absence with or without remuneration.

The period of the leave of absence shall be taken into account for purposes of career advancement as well as insurance and pension entitlements.

#### **ARTICLE 13 – Awarding of the PhD**

The PhD is awarded upon completion of the PhD Programme, when students pass their final examination that consists in the presentation of a PhD Thesis on an original research, carried out meticulously and where results are adequately and scientifically relevant. Should the assessment be negative, the final examination cannot be repeated.

Thesis defense will take place before an Examination Board appointed in compliance with the University PhD Research Program Regulations.

The title of PhD is awarded by the Rector. The issue of the above title is dependent upon the candidate's submission of three copies of the final thesis to the competent office, two to be sent to the National Libraries of Florence and Rome respectively, and one (in electronic form) to the library of the Department sponsoring the PhD Programme. All doctoral theses will be digitally published in the "open access" archives of the University, "MoReThesis", which shall be responsible for assuring its conservation and availability to the public. All doctoral theses will be registered by the University in the ministerial database in compliance with the related legislation in force on copyright issues.

Upon completion of the PhD programme, graduates will be invited to fill out a "Questionnaire on the opinions of programme attendees" for the Alma Laurea database. This will enable the Alma Laurea Inter-University Consortium to monitor the training of doctoral students.

#### **ARTICLE 14 – Handling of personal data**

The University Administration, in accordance with Legislative Decree 196/2003, will use the applicant's personal data solely for the fulfilment of the selection procedures and for administrative purposes.

In accordance with the principles in Legislative Decree 196/2003, by participating in the competition, the candidate authorizes the University of Modena and Reggio Emilia to publish his/her personal data as well as information relating to the admissions examinations on the University website.

#### **ARTICLE 15 – Publication**

This call is equivalent to notification to all intents and purposes. It will be published on the website of the University <https://www.unimore.it/bandi/StuLau-Sdott.html> and on the Website of the Ministry of Education, Higher Education and Research <http://bandi.miur.it/doctorate.php/public/cercaFellowship>.

Any changes, updates or additions to the content of this call will be announced, exclusively, on the following website: <https://www.unimore.it/bandi/StuLau-Sdott.html>.

#### **ARTICLE 16 – Additional Regulations and Director responsible for overseeing all procedures**

For matters not explicitly covered in this application procedure, refer to the provisions contained in art. 4 of Law no. 210 of July 3, 1998, art. 19 of Law no. 240 of December 30, 2010, Ministerial Decree no. 45 of February 8, 2013 and to the University regulations in force governing PhD Programmes and to the Teaching Regulations of the University of Modena and Reggio Emilia.

The Director responsible for overseeing all procedures is the Director of the Postgraduate Office (Dott.ssa Stefania Ianni - Via Università, 4 – Modena - phone +39 059/2056424 - e-mail: [segr.postlaurea@unimore.it](mailto:segr.postlaurea@unimore.it)).

For further information, candidates may contact the Postgraduate Office - Via Università 4, 41121 Modena - phone +39 059/2056423 – fax +39 059/2056574 - e-mail: [segr.postlaurea@unimore.it](mailto:segr.postlaurea@unimore.it).

#### **ARTICLE 17 – List of Doctorate Research Courses**

##### **1) PhD Programme in “CLINICAL AND EXPERIMENTAL MEDICINE (CEM)”**

**Places with scholarship:** 23, of which

- 1\* with topic “**Neurodevelopmental follow-up of high-risk infant**”;
- 1\* with topic “**Microsurgical therapeutic possibilities for arm lymphedema following surgical and radiotherapeutic breast treatment**”
- 1\* with topic “**Prevention and management of preterm birth**”
- 1\*\* with topic “**Innovative approaches to drug-resistant epilepsy**”

**Places without scholarship:** 4

**Reserved places:**

- 4 without scholarship for candidates with a degree awarded by a foreign University.

- 1 place funded by with a three-year research grant (Title of the research project is: **The role of sex steroids in the cross-talk between neuroendocrine and skeletal-muscle systems** – Tutor: Prof. Vincenzo Rochira – SSD: MED/13 Endocrinology) – yearly amount of the grant (gross amount) € 23,786.78 (with funds from the MIUR Call "Department of Excellence 2018-2022" - Department of Biomedical, Metabolic and Neuroscience Sciences and University of Modena and Reggio Emilia - CUP: E91I18001480001);

- 1 place funded by with a three-year research grant (Title of the research project is: **EGOFET-based biosensors for detection of multiple sclerosis biomarkers in plasma**. The research grant will be activated under the international project “Biosensing with Organic Electronics - BORGES – GA 813863 (H2020-MSCA-ITN-2018)” - tutor: Prof. Marcello Pinti – SSD: MED/04 General Pathology - annual amount of research grant: € 39,217.44 (gross of the costs incurred by the researcher and inclusive of food, accommodation and travel).

If the researcher also has family obligations at the expiry date of the call (marriage, cohabitation if legally registered, dependent children) the annual amount of the research grant is € 41,658.84.

The researcher will be required to sign up for with the I.N.P.S. Separate Management Fund (“Gestione Separata”).

The candidate must demonstrate strong commitment in performing research aimed at the fabrication and demonstration of an electronic biosensor for the quantification of biomarkers associated with onset and prognosis of multiple sclerosis in biological fluids, with a particular focus on neurofilaments and DAMPs. The biosensors will be based on organic electronic devices with EGOT (Electrolyte Gated Organic Transistor) architecture. To this end, the candidate will functionalize the device interfaces with specific recognition elements and optimize the electronic transduction of the biorecognition events. The candidate will integrate data obtained with the electronic biosensor with those collected with other methods (e.g. flow cytometry) to identify correlations between different biomarkers and get insight into the mechanism of progression of the pathology. Research experience on the above-mentioned topics also at undergraduate level may be regarded as preferential criteria.

\* With funds from the MIUR Call "Department of Excellence 2018-2022" - Department of Medical and Surgical Sciences - University of Modena and Reggio Emilia - CUP: E51118001190005.

\*\* With funds from the MIUR Call "Department of Excellence 2018-2022" - Department of Biomedical, Metabolic and Neuroscience Sciences - University of Modena and Reggio Emilia - CUP: E91118001480001).

#### **Admission requirements:**

- **Main selection procedure (for places with scholarship, places without scholarship and three-year research grant “The role of sex steroids in the cross-talk between neuroendocrine and skeletal-muscle systems”):** every Italian second level degree (laurea specialistica, under D.M. 509/99 or laurea magistrale, under D.M. 207/04) or Italian degree obtained prior to D.M. 509/99 or equivalent qualification obtained abroad, in accordance with the provisions in art. 2 of this application procedure.

- **Selection procedures for the 4 places with scholarship with specific topic:** every Italian second level degree (laurea specialistica, under D.M. 509/99 or laurea magistrale, under D.M. 207/04) or Italian degree obtained prior to D.M. 509/99 or equivalent qualification obtained abroad, in accordance with the provisions in art. 2 of this application procedure.

- **Selection procedure for the three-year research grant on “EGOFET-based biosensors for detection of multiple sclerosis biomarkers in plasma**, under the international project “Biosensing with Organic Electronics - BORGES – GA 813863 (H2020-MSCA-ITN-2018)”:

The competition is open to any candidate, regardless of age or nationality, **who on 20 June 2019, are in possession of** Italian second level degree (laurea specialistica, under D.M. 509/99 or laurea magistrale, under D.M. 207/04) or Italian degree obtained prior to D.M. 509/99 or equivalent qualification obtained abroad, in accordance with the provisions in art. 2 of this application procedure. Are also applied the

eligibility criteria for the MSC-ITN program; these criteria are available on the following page:

[http://ec.europa.eu/research/participants/data/ref/h2020/wp/2014\\_2015/msca/h2020-wp1415-msca-elig\\_en.pdf](http://ec.europa.eu/research/participants/data/ref/h2020/wp/2014_2015/msca/h2020-wp1415-msca-elig_en.pdf). At the date of the signing of the research grant contract the researcher must be within the fourth year of his research career and must not have already obtained a doctoral degree.

At the date of the signing of the research grant contract the researcher must not have stayed or carried out his main activity (work, studies, etc.) in the country of the hosting organization (in Italy) for more than 12 months in the previous 3 years.

**Selection Procedure (for all six selection procedures):** There are six different selection procedures for this PhD Programme, depending on the type of available places. Candidates interested to more than one selection procedures must submit the application form and a fee of € 25.00 for each selection procedure.

The selection procedure is intended to establish the candidate's preparation and aptitude for carrying out research activities with respect to topics relating to the PhD Programme.

Except as provided by art. 3 of this application procedure, candidates may submit the following additional documents:

- 1) self-certification to prove that the degree has been conferred (if awarded by an Italian university), or Degree certificate (if awarded by a foreign university), with a list of exams taken and grades achieved;
- 2) Curriculum vitae of the scientific and teaching activities written in Italian or English indicating university qualifications held;
- 3) A summary of the final thesis in Italian or English, or equivalent, in a minimum of three and maximum of six pages organised under the following headings: subject of the thesis, research methodology, results obtained and their relevance for the study of mechanisms, diagnosis and therapy of human diseases;
- 4) A brief statement of no more than two pages written in English, outlining the motivation for attending the PhD Programme and a description of his/her areas of specific research interest (Statement of Research Interest);
- 5) Certification attesting the knowledge of the English language (TOEFL, Proficiency or other);
- 6) GRE (Graduate Record Examination) certificates;
- 7) At least two letters of presentation/reference/recommendation written by professors of the institutions in which the candidate has been training/working, which must be produced directly by the referents and exclusively according to the procedure indicated in art. 3 of this Call;
- 8) Scientific activity or certified courses abroad;
- 9) Fellowships and stipends for research or higher education;
- 10) Names, affiliation and email addresses of one or more referees.

With reference to selection procedure no. 1 mentioned below, candidates that intend to apply primarily for reserved place with three-year research grant "The role of sex steroids in the cross-talk between neuroendocrine and skeletal-muscle systems", must fill in and attach to the online application form the facsimile "Annex D3" of this call.

**1) Main selection (for places with scholarship, places without scholarship and three-year research grant "The role of sex steroids in the cross-talk between**

**neuroendocrine and skeletal-muscle systems”): based on academic and research record**

The Selection Committee has the capacity to assign scores up to a total of 60 points in the evaluation of candidate qualifications, as follows:

- Final degree mark: from 0 to 10 points,
- Thesis/summary: from 0 to 12 points,
- Publications: from 0 to 4 points,
- Research statement: from 0 to 12 points,
- Periods of research abroad: from 0 to 5 points,
- Letters of presentation: from 0 to 12 points,
- Other qualifications (English language certificates, information and communication technology certificates, scholarships, awards, masters, PhD, work placements and others): from 0 to 5 points.

Once the qualifications have been assessed, the Committee will compile a merit-based ranking of candidates based on the scores awarded.

The Selection Committee will decide whether to admit or not only those who have applied primarily for the reserved place with three-year research grant **“The role of sex steroids in the cross-talk between neuroendocrine and skeletal-muscle systems”** based on the following evaluable aspects:

- Laurea Magistrale (or equivalent qualification) in Medicine and Surgery (LM-41);
- experience in reproductive pathophysiology, especially andrology.

The reserved place with three-year research grant will be assigned, among the candidates who have expressed the priority interest, to whom who will have the highest score in the ranking.

The reserved places for candidates with a degree awarded by a foreign University will be allocated to the students reaching the best four ranking positions among those who have a foreign degree.

**2) Selection procedure for a place with scholarship with topic “Neurodevelopmental follow-up of high-risk infant”: based on academic and research record**

The Selection Committee has the capacity to assign scores up to a total of 60 points in the evaluation of candidate qualifications, as follows:

- Final degree mark: from 0 to 10 points,
- Thesis/summary: from 0 to 12 points,
- Publications: from 0 to 4 points,
- Research statement: from 0 to 12 points,
- Periods of research abroad: from 0 to 5 points,
- Letters of presentation: from 0 to 12 points,
- Other qualifications (English language certificates, information and communication technology certificates, scholarships, awards, masters, PhD, work placements and others): from 0 to 5 points.

Once the qualifications have been assessed, the Committee will compile a merit-based ranking of candidates based on the scores awarded.

**3) Selection procedure for a place with scholarship with topic “Microsurgical therapeutic possibilities for arm lymphedema following surgical and radiotherapeutic breast treatment”: based on academic and research record**

The Selection Committee has the capacity to assign scores up to a total of 60 points in the evaluation of candidate qualifications, as follows:

- Final degree mark: from 0 to 10 points,
- Thesis/summary: from 0 to 12 points,

- Publications: from 0 to 4 points,
- Research statement: from 0 to 12 points,
- Periods of research abroad: from 0 to 5 points,
- Letters of presentation: from 0 to 12 points,
- Other qualifications (English language certificates, information and communication technology certificates, scholarships, awards, masters, PhD, work placements and others): from 0 to 5 points.

Once the qualifications have been assessed, the Committee will compile a merit-based ranking of candidates based on the scores awarded.

**4) Selection procedure for a place with scholarship with topic “Prevention and management of preterm birth”: based on academic and research record**

The Selection Committee has the capacity to assign scores up to a total of 60 points in the evaluation of candidate qualifications, as follows:

- Final degree mark: from 0 to 10 points,
- Thesis/summary: from 0 to 12 points,
- Publications: from 0 to 4 points,
- Research statement: from 0 to 12 points,
- Periods of research abroad: from 0 to 5 points,
- Letters of presentation: from 0 to 12 points,
- Other qualifications (English language certificates, information and communication technology certificates, scholarships, awards, masters, PhD, work placements and others): from 0 to 5 points.

Once the qualifications have been assessed, the Committee will compile a merit-based ranking of candidates based on the scores awarded.

**5) Selection procedure for a place with scholarship with topic “Innovative approaches to drug-resistant epilepsy”: based on academic and research record**

The Selection Committee has the capacity to assign scores up to a total of 60 points in the evaluation of candidate qualifications, as follows:

- Final degree mark: from 0 to 10 points,
- Thesis/summary: from 0 to 12 points,
- Publications: from 0 to 4 points,
- Research statement: from 0 to 12 points,
- Periods of research abroad: from 0 to 5 points,
- Letters of presentation: from 0 to 12 points,
- Other qualifications (English language certificates, information and communication technology certificates, scholarships, awards, masters, PhD, work placements and others): from 0 to 5 points.

Once the qualifications have been assessed, the Committee will compile a merit-based ranking of candidates based on the scores awarded.

**6) Selection procedure for the three-year research grant on “EGOFET-based biosensors for detection of multiple sclerosis biomarkers in plasma, under the international project “Biosensing with Organic Electronics - BORGES – GA 813863 (H2020-MSCA-ITN-2018)”: based on academic and research record and interview**

The Selection Committee has the capacity to assign scores up to a total of 60 points in the evaluation of candidate qualifications, as follows:

- Final degree mark: from 0 to 10 points,
- Thesis/summary: from 0 to 12 points,
- Publications: from 0 to 4 points,

- Research statement: from 0 to 12 points,
- Periods of research abroad: from 0 to 5 points,
- Letters of presentation: from 0 to 12 points,
- Other qualifications (English language certificates, information and communication technology certificates, scholarships, awards, masters, work placements and others): from 0 to 5 points.

Candidates who obtain a score lower than 30/60 will not be admitted to the interview.

The list of those admitted to the interview, as well as any changes regarding the methods and timing of the selection procedure, will be published between 10-11 July 2019 exclusively at <https://www.unimore.it/didattica/doctorate.html> of the University website, in the form dedicated to the Course in Clinical and experimental medicine.

Candidates will be able to attend the interview in English.

The interview will focus on the candidates' past experience of research, on aspects of fundamental knowledge of the candidates, on aspects of fundamental knowledge acquired during the studies, together with the evaluation of personal motivations to undertake a doctorate course in Clinical and experimental medicine. It will also be possible to evaluate the knowledge of the topics required for the Borges project.

For the evaluation of the interview the Commission of selection can assign a score up to a maximum of 40 points. The interview is considered passed with a score not lower than 30/40.

**Interview in the presence:** July 16, 2019, 9:00 am. Interviews could continue on July 17, 2019 at 8:30 am, should there be a high number of candidates.

The examination will take place in Room BSI 2 (Room N1.1) Interdepartmental Scientific Library (building MO19), via Campi 213/c, Modena.

**Interview via Skype (only for candidates resident abroad):** July 16, 2019, at 10:00 am. Interviews could continue on July 17, 2019, at 8:30 am, should there be a high number of candidates.

The examination will take place in Room BSI 2 (Room N1.1) Interdepartmental Scientific Library (building MO19), via Campi 213/c, Modena.

For information on the interview procedure held via Skype candidates must refer to art.5 of this Call.

**Areas of the PhD Programme:** The Doctorate is organized in 3 curricula: - Public Health - Translational medicine – Nanomedicine, Medicinal and pharmaceutical sciences.

The Teaching Committee may propose to one or more students enrolled, considered suitable, a programme of study and research in collaboration with the French University of Angers that will result in the achievement also of the title of French PhD in "*Biology and health*".

Further information on research lines for each curriculum and the relative tutor is available on the PhD Programme website:

<http://www.cem-phdschool.unimore.it/>

## 2) PhD Programme in “INFORMATION AND COMMUNICATION TECHNOLOGIES (ICT)”

**Places with scholarship:** 10\*, of which

- 1 with topic “Artificial Conversational Entity (Intelligent Chatbot i.e. artificial intelligence programs simulating interactive human conversations)”;
- 1 with topic “Protection and valorization of industrial data”;

- 1 with topic “**Artificial Intelligence and Computer Vision for human understanding in Industry**”, financed by the Emilia-Romagna Region in implementation of the Program High Skills for research and technology transfer – POR FSE 2014/2020 - thematic goal 10;
- 1 with topic “**Photonic Technologies for real time monitoring of product quality in manufacturing and agri-food industry**”, financed by the Emilia-Romagna Region in implementation of the Three Year Plan High Skills for research, technology transfer and entrepreneurship with funds of the European Social Fund PO 2014-2020 Emilia-Romagna Region

**Places without scholarship: 3**

**Places reserved for industrial doctorate:**

- 1 employee of Axyon AI Srl, with registered offices in Modena, via Rainusso 144.

*\* One of the scholarships is cofinanced with funds from the MAECI Call for joint projects between Italy and Israel on Artificial Intelligence – 2018 – Project “Artificial Intelligence for Cultural Heritage (AI4CH)” - CUP F64I18000030005.*

**Admission requirements:** Italian second level degree (laurea specialistica, under D.M. 509/99 or laurea magistrale, under D.M. 207/04) or Italian degree obtained prior to D.M. 509/99 or equivalent qualification obtained abroad, in accordance with the provisions in art. 2 of this application procedure.

**Selection Procedure (for all the selection procedures):** There are five different selection procedures for this PhD Programme, depending on the type of available places. Candidates interested to more than one selection procedures must submit the application form and a fee of € 25.00 for each selection procedure.

The selection procedure is intended to establish the candidate’s preparation and aptitude for carrying out research activities with respect to topics relating to the PhD Programme.

Except as provided by art. 3 of this application procedure, candidates may submit the following documents:

- 1) self-certification to prove that the degree has been conferred (if awarded by an Italian university), or Degree certificate (if awarded by a foreign university), with a list of exams taken and grades achieved, in the case of candidates who have not yet completed the final graduation exam, must be presented the list of the examinations and the votes given;
- 2) curriculum vitae of research and teaching activities, written in Italian or English, indicating university degree qualifications obtained;
- 3) a summary of the master thesis, in Italian or English – minimum of three and maximum of six pages – organised under the following headings: motivations, research methodology used, results obtained, in the case of candidates who have not yet graduated, a written presentation of the thesis that will be discussed;
- 4) a brief statement of no more than two pages written in English, outlining the candidate’s motivation for attending the PhD Programme and a description of his/her research interests (Statement of Research Interest). The candidate must express preference for a maximum of two curricula among the three offered by the Doctoral Program, and for a research topic in the chosen curricula among those published on the Course website <http://www.ict.unimore.it/> - entry " Research Topics " );
- 5) any certification attesting the knowledge of the English language (TOEFL, Proficiency or other);
- 6) any GRE (Graduate Record Examination) certificates.
- 7) up to three letters of reference which must be produced directly by the referents and exclusively according to the procedure indicated in art. 3 of this Call.

With reference to selection procedure no. 1 mentioned below, candidates who meet the requirements (employees of the enterprise) and wish to apply primarily for the reserved place, must fill in and attach to the online application form the facsimile "Annex D2" of this call.

The Selection Commission will examine the presentation of the above documents for those who have expressed their interest in competing primarily for the reserved place.

**1) Main selection (for places with scholarship, places without scholarship and place reserved for industrial doctorate): based on academic and research record**

The Selection Committee has the capacity to assign scores up to a total of 60 points in the evaluation of candidate qualifications, as follows:

- Curriculum of its own scientific and didactic activity: from 0 to 40 points,
- Exams taken and grades achieved: from 0 to 10 points,
- Publications: from 0 to 5 points,
- Other qualifications: from 0 to 5 points.

The Selection commission may contact with audio and video teleconference over the web, (Skype platform) candidates for a cognitive interview on the material presented; in this case the candidate must enter their Skype address in the curriculum. Such an interview does not involve extra score.

Once the qualifications have been assessed, the Selection committee will compile a merit-based ranking of candidates based on the scores awarded. Candidates obtaining a minimum score of 40/60 will be considered eligible.

The reserved place of industrial doctorate will be allocated to the student reaching the best ranking position in the list of admitted students, among those who have applied primarily for the reserved place.

**2) Selection procedure for a place with scholarship with topic “Artificial Conversational Entity (Intelligent Chatbot i.e. artificial intelligence programs simulating interactive human conversations)”’: based on academic and research record**

The Selection Committee has the capacity to assign scores up to a total of 60 points in the evaluation of candidate qualifications, as follows:

- Curriculum of its own scientific and didactic activity: from 0 to 40 points,
- Exams taken and grades achieved: from 0 to 10 points,
- Publications: from 0 to 5 points,
- Other qualifications: from 0 to 5 points.

The Selection commission may contact with audio and video teleconference over the web, (Skype platform) candidates for a cognitive interview on the material presented; in this case the candidate must enter their Skype address in the curriculum. Such an interview does not involve extra score.

Once the qualifications have been assessed, the Selection committee will compile a merit-based ranking of candidates based on the scores awarded. Candidates obtaining a minimum score of 40/60 will be considered eligible.

**3) Selection procedure for a place with scholarship with topic “Protection and valorization of industrial data”’: based on academic and research record**

The Selection Committee has the capacity to assign scores up to a total of 60 points in the evaluation of candidate qualifications, as follows:

- Curriculum of its own scientific and didactic activity: from 0 to 40 points,
- Exams taken and grades achieved: from 0 to 10 points,
- Publications: from 0 to 5 points,

- Other qualifications: from 0 to 5 points.

The Selection commission may contact with audio and video teleconference over the web, (Skype platform) candidates for a cognitive interview on the material presented; in this case the candidate must enter their Skype address in the curriculum. Such an interview does not involve extra score.

Once the qualifications have been assessed, the Selection committee will compile a merit-based ranking of candidates based on the scores awarded. Candidates obtaining a minimum score of 40/60 will be considered eligible.

#### **4) Selection procedure for a place with scholarship with topic “Artificial Intelligence and Computer Vision for human understanding in Industry”: based on academic and research record**

The Selection Committee has the capacity to assign scores up to a total of 60 points in the evaluation of candidate qualifications, as follows:

- Curriculum of its own scientific and didactic activity: from 0 to 40 points,
- Exams taken and grades achieved: from 0 to 10 points,
- Publications: from 0 to 5 points,
- Other qualifications: from 0 to 5 points.

The Selection commission may contact with audio and video teleconference over the web, (Skype platform) candidates for a cognitive interview on the material presented; in this case the candidate must enter their Skype address in the curriculum. Such an interview does not involve extra score.

Once the qualifications have been assessed, the Selection committee will compile a merit-based ranking of candidates based on the scores awarded. Candidates obtaining a minimum score of 40/60 will be considered eligible.

#### **5) Selection procedure for a place with scholarship with topic “Photonic Technologies for real time monitoring of product quality in manufacturing and agri-food industry”: based on academic and research record**

The Selection Committee has the capacity to assign scores up to a total of 60 points in the evaluation of candidate qualifications, as follows:

- Curriculum of its own scientific and didactic activity: from 0 to 40 points,
- Exams taken and grades achieved: from 0 to 10 points,
- Publications: from 0 to 5 points,
- Other qualifications: from 0 to 5 points.

The Selection commission may contact with audio and video teleconference over the web, (Skype platform) candidates for a cognitive interview on the material presented; in this case the candidate must enter their Skype address in the curriculum. Such an interview does not involve extra score.

Once the qualifications have been assessed, the Selection committee will compile a merit-based ranking of candidates based on the scores awarded. Candidates obtaining a minimum score of 40/60 will be considered eligible.

Once the qualifications have been assessed, the Committee will compile five merit-based rankings of candidates based on the scores awarded. The lists of admitted students will be issued following the conditions set in the art. 6 of this call. Candidates who applied for more than one selection procedure and are successfully ranked in more than one list can enrol on a single ranking only.

**Areas of the PhD Programme:** The Doctorate offers three curricula: 1) Computer engineering and Science; 2) Electronics and Telecommunications; 3) Industrial

Applications of ICT). The topics of the ICT Doctorate concern the disciplines of Computer Engineering and Science, Electronics, Electronic Measurements, Telecommunications, Electromagnetic Fields, Control Theory and Automation and Electrical Engineering, as well as applications of the above mentioned disciplines subject areas of the H2020 and Horizon Europe programmes and the national plan for research (PNR).

Further information is available from the PhD Programme website at: <http://www.ict.unimore.it/> (entry " Research Topics ").

The Course is inside del Doctoral School in "E4E (Engineering for Economics – Economics for Engineering)".

### **3) PhD Programme in "INDUSTRIAL INNOVATION ENGINEERING" (Main centre: Reggio Emilia)**

**Places with scholarship:** 7, of which

- **1 with topic "Development of new types of modular electric drives integrated with the electric machine for on board fault-tolerant applications"**, financed by the Emilia-Romagna Region in implementation of the Program High Skills for research and technology transfer – POR FSE 2014/2020 - thematic goal 10

**Places without scholarship:** 3

**Places reserved for industrial doctorate:**

- 1 employee of ASK Industries Spa, with registered offices in Monte San Vito (AN), via dell'Industria n. 12/14/16;

- 1 employee of Industria Tecnologica Italiana srl, with registered offices in Reggio Emilia, via Daria Malaguzzi n. 13/B.

**Admission requirements:** Italian second level degree (laurea specialistica, under D.M. 509/99 or laurea magistrale, under D.M. 207/04) or Italian degree obtained prior to D.M. 509/99 or equivalent qualification obtained abroad, in accordance with the provisions in art. 2 of this application procedure.

**Selection Procedure (for the two selections):** There are two different selection procedures for this PhD Programme, depending on the type of available places. Candidates interested to more than one selection procedures must submit the application form and a fee of € 25.00 for each selection procedure.

The selection procedure is intended to establish the candidate's preparation and aptitude for carrying out research activities with respect to topics relating to the PhD Programme.

Except as provided by art. 3 of this application procedure, candidates may present additional documents:

1) self-certification to prove that the degree has been conferred (if awarded by an Italian university), or Degree certificate (if awarded by a foreign university), with a list of exams taken and grades achieved;

2) curriculum vitae of research and teaching activities, written in Italian or English, indicating university degree qualifications obtained;

3) a summary of the master thesis, or equivalent, in Italian or English – minimum of three and maximum of six pages – organised under the following headings: motivations, research methodology used, results obtained;

4) a brief statement of no more than two pages written in English, outlining the candidate's motivation for attending the PhD Programme and a description of his/her specific areas of research interest (Statement of Research Interest).

- 5) certification attesting the knowledge of the English language (TOEFL, Proficiency or other);
- 6) GRE (Graduate Record Examination) certificates;
- 7) reference/recommendation letters (between one and three) written by experts in the fields of research of the PhD Programme, indicating the public or private institution/organization he/she is affiliated with, which must be produced directly by the referents and exclusively according to the procedure indicated in art. 3 of this Call.

With reference to selection procedure no. 1 mentioned below, candidates who meet the requirements (employees of the enterprise) and wish to apply primarily for the reserved places, must fill in and attach to the online application form the facsimile "Annex D2" of this call.

The Selection Commission will examine the presentation of the above documents for those who have expressed their interest in competing primarily for the reserved places.

**1) Main selection (for places with scholarship, places without scholarship and places reserved for industrial doctorate): based on academic and research record**

The Selection Committee has the capacity to assign scores up to a total of 60 points in the evaluation of candidate qualifications, as follows:

- Curriculum: from 0 to 15 points,
- Publications: from 0 to 5 points,
- Grades of the exams, including the final degree: from 0 to 10 points,
- Motivation for attending the PhD Programme and aptitude for carrying out research activities: from 0 to 25 points,
- Other qualifications: from 0 to 5 points.

The Selection commission may contact with audio and video teleconference over the web, (Skype platform) candidates for a cognitive interview on the material presented; in this case the candidate must enter their Skype address in the curriculum. Such an interview does not involve extra score.

Once the qualifications have been assessed, the Selection committee will compile a merit-based ranking of candidates based on the scores awarded. Candidates obtaining a minimum score of 30/60 will be considered eligible.

The reserved places for the industrial doctorate will be allocated to the candidates reaching the best ranking positions among those who have applied primarily for the reserved places.

**2) Selection procedure for a place with scholarship with topic "Development of new types of modular electric drives integrated with the electric machine for on board fault-tolerant applications": based on academic and research record**

The Selection Committee has the capacity to assign scores up to a total of 60 points in the evaluation of candidate qualifications, as follows:

- Curriculum: from 0 to 15 points,
- Publications: from 0 to 5 points,
- Grades of the exams, including the final degree: from 0 to 10 points,
- Motivation for attending the PhD Programme and aptitude for carrying out research activities: from 0 to 25 points,
- Other qualifications: from 0 to 5 points.

The Selection commission may contact with audio and video teleconference over the web, (Skype platform) candidates for a cognitive interview on the material presented; in this case the candidate must enter their Skype address in the curriculum. Such an interview does not involve extra score.

Once the qualifications have been assessed, the Selection committee will compile a merit-based ranking of candidates based on the scores awarded. Candidates obtaining a minimum score of 30/60 will be considered eligible.

Once the qualifications have been assessed, the Committee will compile two merit-based rankings of candidates based on the scores awarded. The lists of admitted students will be issued following the conditions set in the art. 6 of this call. Candidates who applied for more than one selection procedure and are successfully ranked in more than one list can enrol on a single ranking only.

**Areas of the PhD Programme:** The Ph.D. course in Innovation Industrial Engineering consists of two different curricula: Engineering Management, Mechatronics and Energy Engineering. All two curricula share a strong orientation toward innovation processes. The Teaching Committee may propose to one or more students enrolled, considered suitable, a programme of study and research in collaboration with the Federal University of Viçosa (Brasile) that will result in the achievement also of the title of Brazilian PhD in "*Computer Science*".

Further information is available from the PhD Programme website at: [www.iii.unimore.it](http://www.iii.unimore.it)  
The Course is inside the Doctoral School in "E4E (Engineering for Economics – Economics for Engineering)".

#### **4) PhD Programme "Enzo Ferrari" in INDUSTRIAL AND ENVIRONMENTAL ENGINEERING"**

**Places with scholarship:** 14, of which

- 1 with topic "**Development of methodologies and tools for the design of human-centered 4.0 systems**", financed by the Emilia-Romagna Region in implementation of the Program High Skills for research and technology transfer – POR FSE 2014/2020 - thematic goal 10

**Places without scholarship:** 4

**Reserved places for industrial doctorate:**

- 2 employees of Ferrari Spa, with registered offices in Modena, via Emilia Est n.1163.
- 1 employee of Ducati Motor Holding Spa, with registered offices in Bologna, via Cavalieri Ducati n. 3;

**Admission requirements:** Italian second level degree (laurea specialistica, under D.M. 509/99 or laurea magistrale, under D.M. 207/04) or Italian degree obtained prior to D.M. 509/99 or equivalent qualification obtained abroad, in accordance with the provisions in art. 2 of this application procedure.

**Selection Procedure (for the two selections):** There are two different selection procedures for this PhD Programme, depending on the type of available places. Candidates interested to more than one selection procedures must submit the application form and a fee of € 25.00 for each selection procedure.

The selection procedure is intended to establish the candidate's preparation and aptitude for carrying out research activities with respect to topics relating to the PhD Programme.

Except as provided by art. 3 of this application procedure, candidates are required to submit the following additional documents:

- 1) list of exams taken, inclusive of related credits and grades;

- 2) self-certification to prove that the degree has been conferred (if awarded by an Italian university), or Degree certificate (if awarded by a foreign university), in both cases the final mark for the degree must be clearly indicated, as well as the maximum mark envisaged for this qualification by the University awarding the degree;
- 3) curriculum vitae written in Italian or English indicating higher education qualifications;
- 4) a summary of final thesis in Italian or English, or equivalent – minimum of three and maximum of six pages – organised under the following headings: statement of purpose, research methodology used, results obtained;
- 5) a short essay written in English – no longer than two pages – which illustrates the reasons why the candidate wishes to attend the PhD Programme and describes his/her specific research interests (Statement of Research Interest);
- 6) any certification attesting to knowledge of the English language (TOEFL, Proficiency or other);
- 7) any GRE (Graduate Record Examination) certificates;
- 8) any recommendation/reference letters (maximum three) written by experts in the field of research of the PhD Programme, which must be produced directly by the referents and exclusively according to the procedure indicated in art. 3 of this Call.

With reference to selection procedure no. 1 mentioned below, candidates who meet the requirements (employees of the enterprise) and wish to apply primarily for the reserved places, must fill in and attach to the online application form the facsimile "Annex D2" of this call.

The Selection Commission will examine the presentation of the above documents for those who have expressed their interest in competing primarily for the reserved places.

**1) Main selection (for places with scholarship, places without scholarship and places reserved for industrial doctorate): based on academic and research record**

The Selection Committee has the capacity to assign scores up to a total of 60 points in the evaluation of candidate qualifications, as follows:

- Curriculum and relevance to the topics of the PhD Programme: from 0 to 25 points,
- Master Thesis (topic and grade): from 0 to 25 points,
- Candidate motivation (Statement of Research Interest), from 0 to 5 points;
- Publications, other qualifications and various attestations: from 0 to 5 points,

Once the qualifications have been assessed, the Committee will compile a merit-based ranking of candidates based on the scores awarded. Candidates obtaining a minimum score of 36/60 will be considered eligible.

The reserved places for the industrial doctorate will be allocated to the candidates reaching the best ranking positions among those who have applied primarily for the reserved places.

**2) Selection procedure for a place with scholarship with topic “Development of methodologies and tools for the design of human-centered 4.0 systems”: based on academic and research record**

The Selection Committee has the capacity to assign scores up to a total of 60 points in the evaluation of candidate qualifications, as follows:

- Curriculum and relevance to the topics of the PhD Programme: from 0 to 25 points,
- Master Thesis (topic and grade): from 0 to 25 points,
- Candidate motivation (Statement of Research Interest), from 0 to 5 points;
- Publications, other qualifications and various attestations: from 0 to 5 points,

Once the qualifications have been assessed, the Committee will compile a merit-based ranking of candidates based on the scores awarded. Candidates obtaining a minimum score of 36/60 will be considered eligible.

Once the qualifications have been assessed, the Committee will compile two merit-based rankings of candidates based on the scores awarded. The lists of admitted students will be issued following the conditions set in the art. 6 of this call. Candidates who applied for more than one selection procedure and are successfully ranked in more than one list can enrol on a single ranking only.

**Areas of the PhD Programme:** The course deals with subjects on Mechanical and Vehicle Engineering, Civil and Environmental Engineering and Materials Engineering.

Also in the present XXXV Cycle, the course is structured in three curricula: the first one has the same name of the entire PhD, the second one is named Vehicle Engineering, the third one is named Industry 4.0. This characterization of the territory responds to a specific need, and in particular industrial interests (local but not exclusively) aimed at deepening the research topics related to design and development of all vehicle components and to modern industrial management from a general point of view.

The educational objectives, common to all students, are: advanced training in the disciplines of the industrial and environmental engineering; education to the scientific and technological research; development of the attitude to international scientific cooperation; ability to interact with the industrial and economical district. The particular "Industry 4.0" curriculum characterizes the transversality of the themes that distinguish the Doctoral School E4E (Engineering for Economics, Economics for Engineering), of which this Course is part.

The Teaching Committee may propose to one or more students enrolled, considered suitable, a programme of study and research in collaboration with the Chinese University of Fuzhou that will result in the achievement also of the title of Chinese PhD in "Doctor in Engineering".

Further information is available on the PhD Programme website at: <http://www.phd-enzoferrari.unimore.it/site/home/research.html>

The Course is inside the Doctoral School in "E4E (Engineering for Economics – Economics for Engineering)".

## 5) PhD Programme in "LABOUR, DEVELOPMENT AND INNOVATION"

**Places with scholarship:** 11 (6 of which are financed by the Ministry of Education, 1 by external public and private institutions, 4 by the University)

**Places without scholarship:** 5

**Places reserved for industrial doctorate:**

- 1 employee of Coopservice S. Coop.P.A., with registered offices in Reggio Emilia, via Rochdale n. 5;
- 2 employees of Hera Spa, with registered offices in Bologna, viale Berti Pichat n. 2/4;
- 1 employee of Aspera231 Srl, with registered offices in Milano, via Durini n. 5;
- 1 employee of High Performance Engineering Srl, with registered offices in Modena, via Raimondo Dalla Costa n. 620.

**Admission requirements:** Italian second level degree (laurea specialistica, under D.M. 509/99 or laurea magistrale, under D.M. 207/04) or Italian degree obtained prior to D.M.

509/99 or equivalent qualification obtained abroad, in accordance with the provisions in art. 2 of this application procedure.

**Selection procedure: based on academic and research record and interview**

The selection procedure is intended to establish the candidate's preparation and aptitude for carrying out research activities with respect to topics relating to the PhD Programme.

For the purposes of assessment, candidates are required to submit an application together with a research project outline, in Italian or English, relating to one of the two curricula of the PhD Programme.

Candidates are required to have a knowledge of English.

The research project outline shall not be binding on the Teaching Committee for the purposes of assigning dissertation titles.

Except as provided by art. 3 of this application procedure, candidates are required to submit the following additional documents:

- 1) self-certification to prove that the degree has been conferred (if awarded by an Italian university), or Degree certificate (if awarded by a foreign university), with a list of exams taken and grades achieved;
- 2) CV based on the form in attachment B herewith, available on the website of the Marco Biagi Foundation <https://www.fmb.unimore.it/dottorato/ammissione>;
- 3) copy of the research project outline, written in Italian or English. This outline should be no more than 15,000 typed characters, including blank spaces, written in accordance with the form in attachment C herewith, available on the Marco Biagi Foundation website <https://www.fmb.unimore.it/dottorato/ammissione>;
- 4) presentation/reference letter signed by one academic or researcher or expert in the field of the research topics included in the Ph.d programme, or other professional in the field of the research topics included in the Ph.d programme, which must be produced directly by the referents and exclusively according to the procedure indicated in art. 3 of this Call;
- 5) any academic publications along with a list of these publications.

The research project may be freely chosen by the candidate within the disciplinary areas of the PhD Programme, as specified on the website of the Marco Biagi Foundation <https://www.fmb.unimore.it/dottorato/aree-di-ricerca-2/>.

Candidates who meet the requirements (employees of the enterprise) and wish to apply primarily for the reserved places, must fill in and attach to the online application form the facsimile "Annex D2" of this call.

The Selection Commission will examine the presentation of the above documents for those who have expressed their interest in competing primarily for the reserved places.

The Selection Committee has the capacity to assign scores up to a total of 60 points in the evaluation of candidate qualifications, as follows:

- Degree final mark, if already achieved, and grades reported in exams: from 0 to 15 points
- Publications: from 0 to 5 points,
- Research project: from 0 to 30 points,
- Postgraduate and/or professional teaching and training in the research field, as included in the CV: from 0 to 5 points,
- Foreign language skills in the CV: from 0 to 5 points.

Candidates awarded at least 40/60 in the assessment of academic and research record will be admitted to the interview.

The interview will focus on the research methods to be used and the research objectives, as indicated in the project, and on the reasons that led to the research.

A pass is achieved where candidates are awarded a score of 40/60 or above in the interview.

The list of candidates admitted to the interview and any variations in the methods and terms of the selection procedure will be announced publicly in a date between the July 12 and 15, 2019 only on the University website at

<https://www.unimore.it/didattica/doctorates.html> in the section relating to the PhD Programme in Labour, development and innovation.

Candidates may opt to have their interview in English.

The reserved places for the industrial doctorate will be allocated to the candidates reaching the best ranking positions among those who have applied primarily for the reserved places.

**Areas of the PhD Programme:** The course consists of two curricula: Labour, Development and Innovation, and Industry 4.0.

The Labour, Development and Innovation curriculum is intended to enable the participants to acquire an in-depth understanding of employment relations and socio-economic change in an interdisciplinary perspective, focusing on the main regulatory levels (law, management, economics and organisation) and related methods of analysis in order to develop research instruments addressing both legal and non-legal labour regulation, enterprise innovation (industrial, service, public) and economic and territorial development. Industry 4.0 is intended to contribute to an understanding of the dynamics of digital transformation and elaboration of the legal, economic and financial, organisational and managerial instruments to govern the transformation of the enterprise and organisations in light of Industry 4.0. The teaching and research programme favours the datafication of employment and production processes associated with digitalisation resulting in a significant transformation of the logic and instruments of enterprise management.

Both curricula investigate the following research areas:

- Work transformations, innovation & business models;
- Work Organization, discretion at work and performance appraisal in digital enterprises;
- Engineering Economics & Financial Innovation;
- Corporate ethics and sustainability;
- Health, disability, work and care.
- Gender inequalities in STEM areas of education and impact in the access to digital economy.

Both curricula and research areas can be found in the web site:

<https://www.fmb.unimore.it/area/dottorato/>

Doctoral research students will be responsible for the research projects and related studies assigned to them, and where appropriate teaching assistance and internships to be performed at the Marco Biagi Foundation and/or elsewhere, in accordance with the programmes determined by the Doctoral Research School Council (Collegio dei Docenti) taking account of the skills and aptitudes of the doctoral research students.

The Course is inside del Doctoral School in “E4E (Engineering for Economics – Economics for Engineering)”.

## **EXAM SCHEDULE**

**Interview in the presence:** July 18, 2019, 10:00 am. Interviews could continue on July 19, 2019, at 10:00 am, should there be a high number of candidates,

The examination will take place in Room 32 of the Marco Biagi Foundation, Largo Marco Biagi 10, Modena

**Interview via Skype (allowed for each candidate, regardless of residence):** July 18, 2019, from 9:00 am to 10:00 am. Interviews could continue on July 19, 2019 from 9:00 am to 10:00 am, should there be a high number of candidates,

The examination will take place in Room 32 of the Marco Biagi Foundation, Largo Marco Biagi 10, Modena

For information on the interview procedure held via Skype candidates must refer to art.5 of this Call.

## **6) PhD Programme in “MODELS AND METHODS FOR MATERIAL AND ENVIRONMENTAL SCIENCES”**

**Places with scholarship: 4**

**Places without scholarship: 1**

**Admission requirements:** Italian second level degree (laurea specialistica, under D.M. 509/99 or laurea magistrale, under D.M. 207/04) or Italian degree obtained prior to D.M. 509/99 or equivalent qualification obtained abroad, in accordance with the provisions in art. 2 of this application procedure.

### **Selection Procedure: based on academic and research record and interview**

The selection procedure is intended to establish the candidate's preparation and aptitude for carrying out research activities with respect to topics relating to the PhD Programme.

Except as provided by art. 3 of this application procedure, candidates must submit the following additional documents:

- 1) self-certification to prove that the degree has been conferred (if awarded by an Italian university), or Degree certificate (if awarded by a foreign university), with a list of exams taken and grades achieved; students who have not yet completed the final degree examination, must submit a list of exams taken and grades achieved;
- 2) curriculum vitae of the candidate's research and teaching activities written in Italian or English indicating university degree qualifications obtained. The academic and research records have to be certified /self-certified;
- 3) a summary of final thesis in Italian or English, or equivalent – minimum of two and maximum of three pages – organised under the following headings: statement of purpose, research methodology used, results obtained;
- 4) Statement of Research Interest: a short essay written in English – no longer than two pages – which illustrates the reasons why the candidate wishes to attend the PhD Programme and describes his/her specific research interests in relation to the doctoral theses, after consultation of the site: <http://www.m3es.unimore.it/site/home/research/phd-thesis-proposals.html> which contains the theses proposed for cycle XXXV;
- 5) any certification attesting to knowledge of the English language (TOEFL, Proficiency or other).

The Selection committee has the capacity to assign scores up to a total of 60 points in the evaluation of candidate qualifications, as follows:

#### **- Academic and research record: from 0 to 30 points:**

- study curriculum and relevance of exams taken and the subject of the Master thesis and relevance to the area of study of the PhD programme: from 0 to 15 points,
- publications, conference papers, certifications: from 0 to 5 points

- other qualifications (certificate of knowledge of English, letters of reference, and descriptions of specific research interests (Statement of Research Interest), periods of study abroad): from 0 to 10 points.

**- Interview: from 0 to 30 points**

It is necessary to present a valid ID card or a passport.

The interview will focus on the description of a hypothetical research project chosen by the candidate. The evaluation will focus on the scientific soundness of the project, feasibility and appropriateness with the PhD course. The knowledge of the English language will be evaluated during the interview.

Candidates obtaining a minimum of 15 points will be allowed to interview.

The list of candidates admitted to the interview and any variations in the methods and terms of the selection procedure will be announced publicly in a date between the July 9 and July 10, 2019 only on the University website at

<https://www.unimore.it/didattica/doctorates.html> in the section relating to the PhD Programme in Models and methods for material and environmental sciences.

Candidates may opt to have their interview in English.

Once the qualifications and the interview have been assessed, the Committee will compile a merit-based ranking of candidates based on the scores awarded. Candidates obtaining a minimum score of 40/60 will be considered eligible.

**Areas of the PhD Programme:** The Course aims to train experts in advanced research methodologies in environmental and material sciences, in respect of the research fields of the teaching staff (<http://www.m3es.unimore.it/site/home.html>). The research doctor will be able to operate in one or more of the following fields: processes regulating the transfer of elements and compounds from geosphere to hydro- and biosphere forecasting; prevention and mitigation of natural risks; identification and optimal use of resources; study, conservation and appraisal of cultural assets; environmental impact of human activities; chemical sustainable strategies; preparation and characterization of materials with innovative functional properties; devices and methodologies for electrochemical sensing suitable to work in real systems; computational multi-scale strategies; chemometrics, multivariate analysis of signals and images.

Further information is available on the PhD Programme website at:

<http://www.m3es.unimore.it/site/home/research/phd-thesis-proposals.html> which contains the theses proposed for cycle XXXV.

**EXAM SCHEDULE**

**Interview in the presence:** July 15, 2019, 9:30 am. Interviews could continue on July 16, 2019 at 9:30 am, should there be a high number of candidates.

The examination will take place in Room U1.2 of the Department of Chemical and Geological Sciences, Via Campi 103, Modena.

**Interview via Skype (Allowed for each candidate, regardless of residence):** July 15, 2019, 9:30 am. Interviews could continue on July 16, 2019 at 9:30 am, should there be a high number of candidates,

The examination will take place in Room U1.2 of the Department of Chemical and Geological Sciences, Via Campi 103, Modena.

For information on the interview procedure held via Skype candidates must refer to art.5 of this Call.

## 7) PhD Programme in “MOLECULAR AND REGENERATIVE MEDICINE”

**Places with scholarship:** 6, of which

- **1 with topic “Computational models for the study of clonal cancer evolution”**, financed by the Emilia-Romagna Region in implementation of the Program High Skills for research and technology transfer – POR FSE 2014/2020 - thematic goal 10

**Places without scholarship:** 3

**Place reserved:**

- **3** with apprenticeship contract for advanced training of three years financed by Holostem Terapie Avanzate Srl Company for work, training and research activities on the development of advanced therapy products based on epithelial stem cells (the trainees will be hired at the company plant located at the "Stefano Ferrari Regenerative Medicine Center", via Gottardi 100, Modena, with functional qualifications and application of the legislative and economic treatment required by the current national labor contract for the chemical-pharmaceutical sector in which the company operates).

- **1** covered by a three-year research grant (Title of the research project: **Detection of biomarkers of aging with organic electronics**). The research grant will be activated as part of the international project "Biosensing with Organic Electronics —BORGES - GA 813863 (H2020-MSCA-ITN-2018)" - Tutor: Dr. Carlo Augusto Bortolotti - scientific disciplinary sector CHIM/02 Physical Chemistry - annual amount of the research grant: € 39,217.44 (gross of withholding by the fellow and including board, lodging and return journey).

In the event that the candidate also has family obligations at the deadline of the announcement (marriage, cohabitation if legally recognized, dependent children) the annual amount of the research grant is € 41.658,84.

The research fellow will be required to enroll in the INPS separate management.

The candidate must demonstrate genuine interest and commitment in performing research aimed at the fabrication and demonstration of electronic sensing device for the quantification of biomarkers for immunosenescence (progressive, time-dependent deterioration of the immune system) in biological fluids. The biosensors will be based on organic electronic devices with EGOT (Electrolyte Gated Organic Transistor) architecture. To this end, protocols for functionalizing the device interfaces with specific recognition elements (e.g. antibodies, aptamers) will be developed. The candidate will study the electronic transduction of the biorecognition event to optimize the device performances and to improve selectivity and limit of detection of the biosensors. The individual sensing units will be then integrated into a single platform for the simultaneous detection of healthy ageing biomarkers. Research experience on the above-mentioned topics also at undergraduate level may be regarded as preferential criteria.

**Admission requirements:**

- **Main selection procedure (for places covered by scholarships, places without scholarships and the reserved places covered by an apprenticeship contract for advanced training):** every Italian second level degree (laurea specialistica, under D.M. 509/99 or laurea magistrale, under D.M. 207/04) or Italian degree obtained prior to D.M. 509/99 or equivalent qualification obtained abroad, in accordance with the provisions in art. 2 of this application procedure.

- **Selection procedure for a place with scholarship with topic “Computational models for the study of the clonal evolution of cancer”:** every Italian second level degree (laurea specialistica, under D.M. 509/99 or laurea magistrale, under D.M. 207/04)

or Italian degree obtained prior to D.M. 509/99 or equivalent qualification obtained abroad, in accordance with the provisions in art. 2 of this application procedure

- **Selective procedures for the three-year research grant on “Detection of biomarkers of aging with organic electronics**, under the international project “Biosensing with Organic Electronics - BORGES – GA 813863 (H2020-MSCA-ITN-2018)”: The competition is open to any candidate, regardless of age or nationality, **who on 20 June 2019, are in possession of** Italian second level degree (laurea specialistica, under D.M. 509/99 or laurea magistrale, under D.M. 207/04) or Italian degree obtained prior to D.M. 509/99 or equivalent qualification obtained abroad, in accordance with the provisions in art. 2 of this application procedure. Are also applied the eligibility criteria for the MSC-ITN program; these criteria are available on the following page:

[http://ec.europa.eu/research/participants/data/ref/h2020/wp/2014\\_2015/msca/h2020-wp1415-msca-elig\\_en.pdf](http://ec.europa.eu/research/participants/data/ref/h2020/wp/2014_2015/msca/h2020-wp1415-msca-elig_en.pdf). At the date of the signing of the research grant contract the researcher must be within the fourth year of his research career and must not have already obtained a doctoral degree.

At the date of the signing of the research grant contract the researcher must not have stayed or carried out his main activity (work, studies, etc.) in the country of the hosting organization (in Italy) for more than 12 months in the previous 3 years.

**Selection procedure (for all three selection procedures):** There are three different selection procedures for this PhD Programme, depending on the type of available places. Candidates interested to more than one selection procedures must submit the application form and a fee of € 25.00 for each selection procedure.

The selection procedure is intended to establish the candidate’s preparation and aptitude for carrying out research activities in areas related to the PhD Programme.

Except as provided by art. 3 of this application procedure, candidates may submit the following additional documents:

- 1) self-certification of the master/specialist degree and first degree or Italian degree obtained prior to D.M. 509/99 (in case of degree obtained in Italy) or certificate of first and second degree (in the case of degree obtained Abroad), showing a list of exams taken and grades achieved;
- 2) curriculum vitae written in Italian or English containing their scientific experience;
- 3) a summary in Italian or English of the thesis, or equivalent, consisting of a minimum of three to a maximum of six pages and divided into the following points: purpose of the thesis, methods of investigation, results obtained;
- 4) a short essay written in English – no longer than two pages – which illustrates the reasons why the candidate wishes to attend the PhD Programme and describes his/her specific research interests (Statement of Research Interest);
- 5) certification attesting to knowledge of the English language (TOEFL, Proficiency or other);
- 6) GRE (Graduate Record Examination) certificates;
- 7) recommendation/reference letters (between one and three) written by experts in the fields of research of the PhD Programme, indicating the public or private institution/organization he/she is affiliated with, which must be produced directly by the referents and exclusively according to the procedure indicated in art. 3 of this Call.

With reference to selection procedure no. 1 mentioned below, candidates that intend to apply primarily for reserved places with apprenticeship contract for advanced training, must fill in and attach to the online application form the facsimile “Annex D1” of this call.

**1) Main selection (for places with scholarships, places without scholarship and reserved places with apprenticeship contract for advanced training): based on academic and research record and interview**

The Selection Committee has the capacity to assign scores up to a total of 60 points in the evaluation of candidate qualifications, as follows:

- degree mark, if already obtained, and marks obtained in the exams: from 0 to 30 points,
- curriculum and professional experience: from 0 to 10 points,
- publications: from 0 to 5 points,
- Statement of Research Interest: from 0 to 15 points.

Candidates awarded at least 30/60 in the assessment of academic and research record will be admitted to the interview.

The list of candidates admitted to the interview and any variations in the methods and terms of the selection procedure will be announced publicly in a date between the July 17 and 18, 2019 on the University website at

<http://www.unimore.it/didattica/doctorates.html> in the section relating to the PhD Programme in Molecular and regenerative medicine.

Candidates may opt to have their interview in English.

The interview consists of:

- an evaluation of basic knowledge of cell biology, molecular biology, chemistry, biochemistry, genetics, general pathology,
- a discussion on the research activity previously carried out,
- a discussion on the research interests expressed in the Statement of Research Interest,
- verification of knowledge of the English language.

Candidates obtaining a minimum score of 40/60 on the interview will be considered eligible.

The Selection Committee will decide whether to admit or not only those who have applied primarily for the reserved places based on the following evaluable aspects:

- Laurea Magistrale (or equivalent qualification) in Biology (LM-6), Medical, veterinary and pharmaceutical biotechnologies (LM-9), Pharmacy and Industrial Pharmacy (LM-13), Medicine and Surgery (LM-41);
- knowledge of the English language;
- knowledge of isolation systems and stem cell cultures;
- experience in the field of cell therapy and gene therapy;

The reserved place will be allocated to the candidates reaching the best ranking positions among those who have applied primarily for the reserved places.

**2) Selection procedure for a place with scholarship with topic “Computational models for the study of the clonal evolution of cancer”: based on academic and research record and interview**

The Selection Committee has the capacity to assign scores up to a total of 60 points in the evaluation of candidate qualifications, as follows:

- degree mark, if already obtained, and marks obtained in the exams: from 0 to 30 points,
- curriculum and professional experience: from 0 to 10 points,
- publications: from 0 to 5 points,
- Statement of Research Interest: from 0 to 15 points.

Candidates awarded at least 30/60 in the assessment of academic and research record will be admitted to the interview.

The list of candidates admitted to the interview and any variations in the methods and terms of the selection procedure will be announced publicly in a date between the July 17 and 18, 2019 on the University website at

<http://www.unimore.it/didattica/doctorates.html> in the section relating to the PhD Programme in Molecular and regenerative medicine.

Candidates may opt to have their interview in English.

The interview consists of:

- an evaluation of basic knowledge of cell biology, molecular biology, chemistry, biochemistry, genetics, general pathology,
- a discussion on the research activity previously carried out,
- a discussion on the research interests expressed in the Statement of Research Interest,
- verification of knowledge of the English language.

Candidates obtaining a minimum score of 40/60 on the interview will be considered eligible.

### **3) Selection procedure for the three-year research grant on “Detection of biomarkers of aging with organic electronics, under the international project “Biosensing with Organic Electronics - BORGES – GA 813863 (H2020-MSCA-ITN-2018)” based on academic and research record and interview**

The Selection Committee has the capacity to assign scores up to a total of 60 points in the evaluation of candidate qualifications, as follows:

- Curriculum studiorum: from 0 to 30 points,
- curriculum and professional experience: from 0 to 10 points,
- publications: from 0 to 5 points,
- Statement of Research Interest: from 0 to 15 points.

Candidates awarded at least 30/60 in the assessment of academic and research record will be admitted to the interview.

The list of candidates admitted to the interview and any variations in the methods and terms of the selection procedure will be announced publicly in a date between the July 10 and 11, 2019 on the University website at

<http://www.unimore.it/didattica/doctorates.html> in the section relating to the PhD Programme in Molecular and regenerative medicine.

Candidates may opt to have their interview in English.

The interview will be about the previous research experience and background knowledge of the candidate, and the personal motivations leading him/her to the application to a PhD course in Molecular and Regenerative Medicine. Specific knowledge related to the topics of the BORGES project might also be evaluated.

Maximum score for the interview is 60 points. Candidates obtaining a minimum score of 40/60 on the interview will be considered eligible.

**Areas of the PhD Programme:** The doctoral course includes two training courses: the curriculum in Molecular and Regenerative Medicine and the curriculum in Nanotechnologies and Modeling for Industrial Biomedical Applications. The courses include, in addition to research and laboratory activities, lectures and seminars on molecular and cellular mechanisms of human diseases, mechanisms of cell differentiation and gene therapy, structural biology, computational biology, biomaterials.

Further information is available from the PhD Programme website at:

<http://www.mrm.unimore.it/site/home.html>

## **EXAM SCHEDULE**

### **(SELECTION 1 – MAIN)**

**Interview in the presence:** July 23, 2019, 10:00 am. Interviews could continue on July 24, 2019 at 9:00 am, should there be a high number of candidates.

The examination will take place at the Center for Regenerative Medicine, via Gottardi 100, Modena.

**Interview via Skype (only for candidates resident abroad):** July 23, 2019, from 2:00 pm.

The examination will take place at the Center for Regenerative Medicine, via Gottardi 100, Modena.

For information on the interview procedure held via Skype candidates must refer to art.5 of this Call.

**(SELECTION 2 - for a place with scholarship with topic “Computational models for the study of the clonal evolution of cancer”)**

**Interview in the presence:** July 23, 2019, 10:00 am. Interviews could continue on July 24, 2019 at 9:00 am, should there be a high number of candidates.

The examination will take place at the Center for Regenerative Medicine, via Gottardi 100, Modena.

**Interview via Skype (only for candidates resident abroad):** July 23, 2019, from 2:00 pm.

The examination will take place at the Center for Regenerative Medicine, via Gottardi 100, Modena.

**(SELECTION 3 - for the three-year research grant on “Detection of biomarkers of aging with organic electronics, under the international project “Biosensing with Organic Electronics - BORGES – GA 813863 (H2020-MSCA-ITN-2018)”)**

**Interview in the presence:** July 15, 2019, 10:00 am. Interviews could continue on July 16, 2019 at 4:00 pm, should there be a high number of candidates.

The examination will take place in Room BSI 2 (Room N1.1) Scientific Library Interdepartmental (building MO19), via Campi 213/c, Modena.

**Interview via Skype (only for candidates resident abroad):** July 15, 2019, from 11:00 am.

The examination will take place in Room BSI 2 (Room N1.1) Scientific Library Interdepartmental (building MO19), via Campi 213/c, Modena.

For information on the interview procedure held via Skype candidates must refer to art.5 of this Call.

## **8) PhD Programme in “NEUROSCIENCES”**

**Places with scholarship:** 5 (2 of which are cofinanced with funds from MIUR Call "Department of Excellence 2018-2022" - Department of Biomedical, Metabolic and Neural Sciences - University of Modena and Reggio Emilia - CUP: E91118001480001 – field “Cellular and molecular mechanisms of neurodegenerative diseases”)

**Places without scholarship:** 2

**Reserved places:**

- 1 place funded by with a three-year research grant (Title of the research project is: **“Biomarkers of chronic pain in animal models of migraine: molecular aspects and clinical matches”** – Tutor: Prof. Luca Pani – SSD: BIO/14 Pharmacology– yearly amount of the grant (gross amount): € € 22.054,00 (with funds from the MIUR Call "Department of Excellence 2018-2022" - Department of Biomedical, Metabolic and Neuroscience Sciences and University of Modena and Reggio Emilia - CUP: E91118001480001);

- 1 place funded by with a three-year research grant (Title of the research project is: **“Establishing the prognostic value of cognitive-behavioural phenotype and**

**functional neuroimaging in the progression of patients with minor neurocognitive disorder**” – Tutor: Prof. Giovanna Zamboni – SSD: M-PSI/01 Psychology – yearly amount of the grant (gross amount): € 19.367,00 (with funds from the MIUR Call "Department of Excellence 2018-2022" - Department of Biomedical, Metabolic and Neuroscience Sciences and University of Modena and Reggio Emilia - CUP: E91I18001480001);

- 1 place funded by with a three-year research grant (Title of the research project is: **“Functional characterization of spinal sensory circuits in transgenic animal models”** – Tutor: Prof. Rita Bardoni – SSD: BIO/09 Physiology – yearly amount of the grant (gross amount): € 22.054,00 (with funds from the MIUR Call "Department of Excellence 2018-2022" - Department of Biomedical, Metabolic and Neuroscience Sciences and University of Modena and Reggio Emilia - CUP: E91I18001480001);

- 1 place funded by with a three-year research grant (Title of the research project is: **“Hybrid enhanced regenerative medicine systems”** – Tutor: Prof. Giulia Curia – SSD: BIO/09 Physiology – yearly amount of the grant (gross amount): € 22.054,00 (with funds from the Horizon2020: HERMES – GA 824164 - H2020-FETPROACT-2018-01-RIA - Department of Biomedical, Metabolic and Neuroscience Sciences and University of Modena and Reggio Emilia - CUP: E96C18001630007)

**Admission requirements:** Italian second level degree (laurea specialistica, under D.M. 509/99 or laurea magistrale, under D.M. 207/04) or Italian degree obtained prior to D.M. 509/99 or equivalent qualification obtained abroad, in accordance with the provisions in art. 2 of this application procedure.

**Selection Procedure: based on academic and research record, written test and interview**

The selection procedure is intended to establish the candidate’s preparation and aptitude for carrying out research activities with respect to topics relating to the PhD Programme.

Except as provided by art. 3 of this application procedure, candidates may submit the following additional documents:

Evaluation of qualification (60 points):

- 1) document certifying the list of exams and the scores obtained, up to a maximum of 15 points;
- 2) thesis, up to a maximum of 10 points;
- 3) publications, up to a maximum of 10 points;
- 4) synthesis of the research project (3 pages), up to a maximum of 15 points;
- 5) other qualifications (including specialties and experiences post-graduate), up to a maximum of 10 points.

Candidates that intend to apply primarily for reserved places funded by with a three-year research grants, must fill in and attach to the online application form the facsimile “Annex D3” of this call.

The Selection Committee will decide whether to admit or not only those who have applied primarily for a reserved place based on the following evaluable aspects:

a) for research grant with title **“Biomarkers of chronic pain in animal models of migraine: molecular aspects and clinical matches”**

- Laurea Magistrale (or equivalent qualification) in Medicine and surgery (LM-41);

- documented research activity or thesis on the topics of the research grant;
  - relevance of the research project to the topics covered by research grant;
  - quality of the research project.
- b) for research grant with title **“Establishing the prognostic value of cognitive-behavioural phenotype and functional neuroimaging in the progression of patients with minor neurocognitive disorder”**
- Laurea Magistrale (or equivalent qualification) in Psychology (LM-51);
  - documented research activity or thesis on the topics of the research grant;
  - relevance of the research project to the topics covered by research grant;
  - quality of the research project.
- c) for research grant with title **“Functional characterization of spinal sensory circuits in transgenic animal models”**
- Laurea Magistrale (or equivalent qualification) in Biology (LM-6), in Medical, Veterinary and Pharmaceutical Biotechnologies (LM-9) or in Pharmacy and Industrial Pharmacy (LM-13);
  - documented research activity or thesis on the topics of the research grant;
  - relevance of the research project to the topics covered by research grant;
  - quality of the research project.
- d) for research grant with title **“Hybrid enhanced regenerative medicine systems”**
- Laurea Magistrale (or equivalent qualification) in Biological Sciences (LM-6 DM 270/04, 6/S DM 509/99);
  - documented research activity or thesis on the topics of the research grant;
  - relevance of the research project to the topics covered by research grant;
  - quality of the research project.

Written examination (60 points):

The Written Exam for the issues related to Neurosciences is a written report on any of these topics:

- 1) The genesis of nerve impulses;
- 2) the synapse;
- 3) the reflexes;
- 4) molecular and cellular basis of signal transduction;
- 5) the motor system;
- 6) the visual system;
- 7) the somatosensory system;
- 8) neurobiology of language;
- 9) neurobiology of attention;
- 10) memory and learning;

The Written Exam for the issues pertaining to the Behavioural Sciences is a written report on any of these topics:

- 1) Classification of mental disorders resulting from abuse and maltreatment in childhood and adolescence
- 2) Different types of post-traumatic disorders caused by adverse events, stressors, violence, abuse and maltreatments in developmental age
- 3) Spontaneous and induced resilience processes between psychotherapeutic treatments or educational interventions
- 4) Modifications in personality, induced by physical violence in family or school environment
- 5) Protective factors from the effects of violence and maltreatment in developmental age
- 6) Cognitive and emotional impact of new technologies on personality development

- 7) The role of empathy in the relational and educational context in developmental age
- 8) Obsessive-compulsive disorders in children and adolescents victims of violence and maltreatment
- 9) Educational programs to prevent violence and bullying in learning and leisure environments
- 10) Treatment and prevention of relapse in offenders against children

At the beginning of the examination (which will last a maximum of one hour) two topics for Neuroscience and two for Behavioural Sciences are randomly chosen among those listed above, one of which can be chosen by the candidate for her/his written report.

#### Interview (60 points):

The Interview in the presence of the candidate will focus on the report of the Written Exam, the brief description of the candidate of his research project and the discussion of the candidate's motivations for attending the PhD in Neuroscience and its specific research interests. It will also check the verification of the English language and any foreign language optional declared by the applicant at the time of submitting the application

Once the qualifications have been assessed, the Committee will compile a merit-based ranking of candidates based on the scores awarded. Candidates obtaining a minimum score of 90/180 will be considered eligible.

The reserved places funded by research grants will be assigned, among the candidates who have expressed the priority interest, to those who will have the highest score in the ranking.

**Areas of the PhD Programme:** The course is activated by the University of Modena and Reggio Emilia. The doctorate includes three thematic areas: 1) Integrated Human Neurosciences: clinical neuropharmacology, systems neuroscience, cognitive and social neuroscience, clinical neuroscience, cognitive psychology; 2) Basic Neurosciences: molecular and cellular neurobiology, neuropharmacology, neurophysiology of nerve transmission; 3) Behavioural Sciences: assessment of risk and protective factors in emotional, cognitive and personality development in children and adolescents victims of traumatic experiences such as physical and emotional or psychological violence.

Further information is available from the PhD Programme website at:

<http://www.dottorato-neuroscienze.unimore.it>

#### **EXAM SCHEDULE**

**Written examination:** July 16, 2019, 9:00 am. The examination will take place in Room H.1.1, Department of Biomedical, Metabolic and Neural Sciences (building MO15), via Campi 287, Modena.

**Interview:** July 16, 2019, 3:00 pm. Interviews could continue on July 19, 2019 at 9:00 am, should there be a high number of candidates.

The examination will take place in Room H1.1 (July 16) and in Room H0.1 (July 19), Department of Biomedical, Metabolic and Neural Sciences (building MO15), via Campi 287, Modena.

### **9) PhD Programme in “PHYSICS AND NANO SCIENCES”**

**Places with scholarship:** 5 (1 of which is cofinanced on Project PRIN 2017 “Excitonic insulator in two-dimensional long-range interacting systems (EXC-INS)”

## **Places without scholarship: 2**

### **Place reserved:**

- 1 place funded by a three-year research grant (Title of the research project is: **Simulating ultrafast coherent phenomena in model light-harvesting complexes**. The research grant will be activated under the international project “Multiphoton Microscopy and Ultrafast Spectroscopy: Imaging meets Quantum - MUSIQ – GA 812992 (H2020-MSCA-ITN-2018)” - tutor: Prof. Elisa Molinari – SSD FIS/03 Material Physics - annual amount of research grant: € 39,217.44 (gross of the costs incurred by the researcher and inclusive of food, accommodation and travel).

If the researcher also has family obligations at the expiry date of the call (marriage, cohabitation if legally registered, dependent children) the annual amount of the research grant is € 41,658.84.

The researcher will be required to sign up for with the I.N.P.S. Separate Management Fund (“Gestione Separata”).

The main object of the research is develop a microscopic understanding of the ultrafast charge separation process in model light-harvesting systems representative of selected experimental samples of interest in biology or photovoltaics.

*An extra place is reserved for a candidate selected with specifically international mobility program in which the University of Modena and Reggio Emilia participates (HORIZON 2020 - Marie Sklodowska Curie Actions – BORGES).*

### **Admission requirements:**

- **Main selection procedure (for places with scholarship and places without scholarship):** every Italian second level degree (laurea specialistica, under D.M. 509/99 or laurea magistrale, under D.M. 207/04) or Italian degree obtained prior to D.M. 509/99 or equivalent qualification obtained abroad, in accordance with the provisions in art. 2 of this application procedure.

- **Selection procedure for the three-year research grant on “Simulating ultrafast coherent phenomena in model light-harvesting complexes**, under the international project “Multiphoton Microscopy and Ultrafast Spectroscopy: Imaging meets Quantum - MUSIQ – GA 812992 (H2020-MSCA-ITN-2018)”: The competition is open to any candidate, regardless of age or nationality, **who on 20 June 2019, are in possession of** Italian second level degree (laurea specialistica, under D.M. 509/99 or laurea magistrale, under D.M. 207/04) or Italian degree obtained prior to D.M. 509/99 or equivalent qualification obtained abroad, in accordance with the provisions in art. 2 of this application procedure. Are also applied the eligibility criteria for the MSC-ITN program; these criteria are available on the following page:

[http://ec.europa.eu/research/participants/data/ref/h2020/wp/2014\\_2015/msca/h2020-wp1415-msca-elig\\_en.pdf](http://ec.europa.eu/research/participants/data/ref/h2020/wp/2014_2015/msca/h2020-wp1415-msca-elig_en.pdf). At the date of the signing of the research grant contract the researcher must be within the fourth year of his research career and must not have already obtained a doctoral degree.

At the date of the signing of the research grant contract the researcher must not have stayed or carried out his main activity (work, studies, etc.) in the country of the hosting organization (in Italy) for more than 12 months in the previous 3 years.

**Selection Procedure (for the two selection procedures):** There are two different selection procedures for this PhD Programme, depending on the type of available places. Candidates interested to more than one selection procedures must submit the application form and a fee of € 25.00 for each selection procedure.

The selection procedure is intended to establish the candidate's preparation and aptitude for carrying out research activities with respect to topics relating to the PhD Programme.

Except as provided by art. 3 of this application procedure, candidates may submit the following additional documents:

1a) Self-certification to prove that the degree has been conferred (if awarded by an Italian university), or Degree certificate (if awarded by a foreign university), with a list of exams taken and grades achieved; students who have not yet completed the final degree examination, must submit a list of exams taken and grades achieved;

1b) List of research and teaching activities (curriculum vitae) indicating all the qualifications obtained. This can be written either in Italian or in English;

1c) A summary of the thesis/diploma work, from a minimum of three to a maximum of six pages, with the following headings: state of the art and interests of the topic, research methodology and results. This summary can be written either in Italian or in English;

1d) certificates of knowledge of English language (TOEFL, Proficiency or others); certificate of Graduate Record Examination (GRE);

2) Letters of presentation (one to three) written by experts in the fields of this PhD course, indicating the public or private institution in which they serve as experts, which must be produced directly by the referents and exclusively according to the procedure indicated in art. 3 of the this Call;

3) A brief (one/two pages) statement outlining the specific research interests and the objectives of the candidate and the reasons for attending the PhD programme in Physics and nano sciences at the University of Modena and Reggio Emilia.

Candidates interested to the theme "Excitonic insulator in two-dimensional long-range interacting systems (EXC-INS) should state their motivation in their Statement of research interest an during the interview.

### **1) Main selection (for places with scholarship and places without scholarship: based on academic and research record and interview**

For the evaluation the Board of Examiners, based on a comparative assessment of the documents submitted by the candidates, assigns a score up to a maximum of 60 points, according to the following criteria:

1) Previous experience of the candidate, up to a maximum of 30 points awarded taking into account:

- Curriculum studiorum, indicating the examinations passed during the previous courses (evaluation criteria: score of the final degree –if already achieved-, list of exams taken and grades received, degree of relevance of previous studies to this PhD course).

- List of activities (experiences and activities of internship, job opportunities, scholarships, grants, publications, training periods abroad, participation to Summer Schools and conferences).

- Summary of the thesis/diploma work-completed or in progress- (evaluation criteria: motivations and state of the art of the field, methods of investigation, results obtained).

- Knowledge of the English Language (documented by exams and certificates).

2) Independent evaluation of the potentialities of the candidate, up to a maximum of 10 points. To evaluate this, the following will be taken into account: letters of recommendation -from one to max three- experts who have had the opportunity to assess the candidate in research. Prizes and awards given to the candidate by external commissions. The letters of recommendation must be produced directly by the referents and exclusively according to the procedure indicated in art. 3 of this Call.

3) Statement of Research Interest, divided into: Introduction, state-of-the-art, possible lines of development. The commission, based on this text, will evaluate the technical and

scientific motivations and specific research interests of the candidate as well as their potentialities for the development of the PhD programme. Up to a maximum of 20 points.

After the assessment, the Commission shall prepare a ranking list based on the scores assigned to each candidate. Candidates who obtain a score lower than 40/60 will not be admitted to the interview and not considered eligible for admission to the course.

The list of candidates admitted to the interview and any variations in the methods and terms of the selection procedure will be announced publicly in a date between July 11 and 12, 2019 on the University website at

<http://www.unimore.it/didattica/doctorates.html> in the section relating to the PhD Programme in Physics and nano sciences.

Matters on which the interview will cover:

The interview is to clarify and verify the historical experience of the the applicant manner set out in the documentation submitted by the candidate, and its scientific interests and possible lines of development of his career within the possibilities offered by the doctoral course, as expressed by the candidate in the Statement of Research Interest.

Maximum score for the interview of 40 points.

Candidates who obtain a final score of less than 50/100 will not be eligible for admission to the course.

**2) Selection procedure for the three-year research grant on “Simulating ultrafast coherent phenomena in model light-harvesting complexes, under the international project “Multiphoton Microscopy and Ultrafast Spectroscopy: Imaging meets Quantum - MUSIQ – GA 812992 (H2020-MSCA-ITN-2018)””: based on academic and research record and interview**

For the evaluation the Board of Examiners, based on a comparative assessment of the documents submitted by the candidates, assigns a score up to a maximum of 60 points, according to the following criteria:

1) Previous experience of the candidate, up to a maximum of 30 points awarded taking into account:

- Curriculum studiorum, indicating the examinations passed during the previous courses (evaluation criteria: score of the final degree –if already achieved-, list of exams taken and grades received, degree of relevance of previous studies to this PhD course).

- List of activities (experiences and activities of internship, job opportunities, scholarships, grants, publications, training periods abroad, participation to Summer Schools and conferences).

- Summary of the thesis/diploma work-completed or in progress- (evaluation criteria: motivations and state of the art of the field, methods of investigation, results obtained).

- Knowledge of the English Language (documented by exams and certificates).

2) Independent evaluation of the potentialities of the candidate, up to a maximum of 10 points. To evaluate this, the following will be taken into account: letters of recommendation -from one to max three- experts who have had the opportunity to assess the candidate in research. Prizes and awards given to the candidate by external commissions. The letters of recommendation must be produced directly by the referents and exclusively according to the procedure indicated in art. 3 of this Call.

3) Statement of Research Interest, divided into: Introduction, state-of-the-art, possible lines of development. The commission, based on this text, will evaluate the technical and scientific motivations and specific research interests of the candidate as well as their potentialities for the development of the PhD programme. Up to a maximum of 20 points.

After the assessment, the Commission shall prepare a ranking list based on the scores assigned to each candidate. Candidates who obtain a score lower than 40/60 will not be admitted to the interview and not considered eligible for admission to the course.

The list of candidates admitted to the interview and any variations in the methods and terms of the selection procedure will be announced publicly in a date between July 5 and 8, 2019 on the University website at

<http://www.unimore.it/didattica/doctorates.html> in the section relating to the PhD Programme in Physics and nano sciences.

Matters on which the interview will cover:

The interview is to clarify and verify the historical experience of the the applicant manner set out in the documentation submitted by the candidate, and its scientific interests and possible lines of development of his career within the possibilities offered by the doctoral course, as expressed by the candidate in the Statement of Research Interest.

Maximum score for the interview of 40 points.

Candidates who obtain a final score of less than 50/100 will not be eligible for admission to the course.

**Areas of the PhD Programme:** Main topics include: nano-systems for energy conversion; Quantum Technologies; functional surfaces and nanostructured systems: nano-fabrication, microscopies and spectroscopies; physics of (nano-)bio-systems; synthesis and study of functional molecules; graphene; nano-tribology; advanced computational methods of theoretical physics; physics of (nano-devices); theory and models for study of fundamental interactions. Further information is available from the PhD-PNS website at: <http://www.nano-phdschool.unimore.it/site/home/topics/>.

Further information on the international project “Multiphoton Microscopy and Ultrafast Spectroscopy: Imaging meets Quantum – MUSIQ is available at: <http://www.musiq-etn.eu/>.

## **EXAM SCHEDULE**

### **(SELECTION 1 – MAIN)**

**Interview in the presence:** July 17, 2019, 9:00 am. Interviews could continue on July 18, 2019 at 9:00 am, should there be a high number of candidates,

The examination will take place in Room L.1.5 of the Department of Physics, Informatics and Mathematics, Via Campi 213/a, Modena.

**Interview via Skype (Allowed for each candidate, regardless of residence):** July 17, 2019, at 3:00 pm. Interviews could continue on July 18, 2019, at 12:00 am, should there be a high number of candidates.

The examination will take place in Room L1.5 of the Department of Physics, Informatics and Mathematics, Via Campi 213/a, Modena.

For information on the interview procedure held via Skype candidates must refer to art.5 of this Call.

**(SELECTION 2 – for the three-year research grant on Simulating ultrafast coherent phenomena in model light-harvesting complexes,** under the international project “Multiphoton Microscopy and Ultrafast Spectroscopy: Imaging meets Quantum - MUSIQ – GA 812992 (H2020-MSCA-ITN-2018)”)

**Interview in the presence:** July 12, 2019, 9:30 am.

The examination will take place in Room L.1.5 of the Department of Physics, Informatics and Mathematics, Via Campi 213/a, Modena.

**Interview via Skype (Allowed for each candidate, regardless of residence):** July 12, 2019, at 3:00 pm.

The examination will take place in Room L1.5 of the Department of Physics, Informatics and Mathematics, Via Campi 213/a, Modena.

For information on the interview procedure held via Skype candidates must refer to art.5 of this Call.

## **11) PhD Programme in “REGGIO CHILDHOOD STUDIES” (Main centre: Reggio Emilia)**

**Places with scholarship: 7**

**Places without scholarship: 2**

**Places reserved for industrial doctorate:**

- 1 employee of Fondazione Reggio Children – Centro Loris Malaguzzi, with registered offices in Reggio Emilia, via Bligny n. 1/A.

**Admission requirements:** Italian second level degree (laurea specialistica, under D.M. 509/99 or laurea magistrale, under D.M. 207/04) or Italian degree obtained prior to D.M. 509/99 or equivalent qualification obtained abroad, in accordance with the provisions in art. 2 of this application procedure.

### **Selection Procedure: based on academic and research record and interview**

The selection procedure is intended to establish the candidate's preparation and aptitude for carrying out research activities with respect to topics relating to the PhD Programme.

Except as provided by art. 3 of this application procedure, candidates may submit the following additional documents:

- 1) self-certification of the degree (in the case of a degree obtained in Italy) or degree certificate (in the case of a degree obtained abroad) showing the list of exams taken and related marks;
- 2) curriculum vitae in Italian or English with indication of the university level qualifications;
- 3) a digital copy of the degree thesis (obtained prior to D.M. 509/99), or master's degree (D.M. 270/04), specialist degree (D.M. 509/99), or equivalent degree obtained abroad; alternatively, an abstract of the degree thesis;
- 4) a letter of motivation written in English – no longer than two pages – which illustrates the reasons why the candidate wishes to attend the PhD course and describes his/her specific research interests (Statement of Research Interest);
- 5) any certification attesting the knowledge of the English language (TOEFL, CAE/Proficiency or other) and other languages (if any) indicating the level achieved by the candidate;
- 6) a research project, written in Italian or English, related to one of the themes of the Course (see “Description of the Course” at <https://www.unimore.it/didattica/doctorate.html?ID=1064>). The document, which will be between 2000 and 4000 words wide, must identify: i) a specific subject; ii) a working hypothesis; iii) a reference bibliography.

Candidates who meet the requirements (employees of the enterprise) and wish to apply primarily for the reserved place, must fill in and attach to the online application form the facsimile "Annex D2" of this call.

The Selection Commission will examine the presentation of the above documents for those who have expressed their interest in competing primarily for the reserved place.

The Selection committee has the capacity to assign scores up to a total of 70 points in the evaluation of candidate qualifications, as follows:

- exams taken, degree mark, degree thesis / abstract of the degree thesis (maximum 10 points)
- curriculum vitae and experience considered relevant (maximum 10 points),
- other qualifications, e.g. masters, courses, degrees (maximum 5 points),
- language skills (maximum 5 points),
- publications (maximum 5 points),
- research project (maximum 35 points); Evaluation criteria of the research project:
  - i) relevance of the proposal (maximum 10 points)
  - ii) feasibility in the space of the doctoral course (maximum 5 points)
  - iii) knowledge of the scientific framework (maximum 10 points)
  - iv) innovativeness of the proposal (maximum 10 points)

Candidates obtaining a minimum of 40 points will be allowed to interview.

The list of candidates admitted to the interview and any variations in the methods and terms of the selection procedure will be announced publicly in a date between the July 12 and July 15, 2019 only on the University website at

<https://www.unimore.it/didattica/doctorates.html> in the section relating to the PhD Programme in Reggio childhood studies.

The Selection committee has the capacity to assign scores up to 30 points in the interview.

Candidates may opt to have their interview in Italian or English.

During the interview candidates will be tested for their knowledge of English; candidates will discuss the research project and they will be given the opportunity to deepen or further develop it orally (please, note that no attachments or additional written documentation will be accepted).

Evaluation criteria:

- a) basic knowledge (maximum 15 points)
- b) argumentation skills (maximum 10 points)
- c) knowledge of languages (maximum 5 points)

Candidates with a score of at least 20 points will succeed the interview.

The reserved place of industrial doctorate will be allocated to the student reaching the best ranking position in the list of admitted students, among those who have applied primarily for the reserved place.

**Areas of the PhD Programme:** The PhD course allows candidates to acquire a specialized qualification and transversal skills through an unprecedented integration between the intensive teaching of an international PhD and immersion in the research context of the Reggio Children-Centro Loris Malaguzzi Foundation. The socio-constructive dimensions of the Reggio Emilia educational experience and the demands of diversity and Education Innovation accompany the growth of a research team of resident fellows.

## **EXAM SCHEDULE**

**Interview in the presence:** July 23, 2019, 9:00 am. Interviews could continue on July 24, 2019 at 9:00 am, should there be a high number of candidates.

The examination will take place at the Reggio Children Foundation - Loris Malaguzzi Centre, Via Bligny 1/A, Reggio Emilia.

**Interview via Skype (Allowed for each candidate, regardless of residence):** July 23, 2019, 9:00 am.

The examination will take place at the Reggio Children Foundation - Loris Malaguzzi Centre, Via Bligny 1/A, Reggio Emilia.

For information on the interview procedure held via Skype candidates must refer to art.5 of this Call.

## **11) PhD Programme in “LEGAL SCIENCES” in cooperation with the University of Parma**

**Places with scholarship: 6**

**Places without scholarship: 1**

**Admission requirements:** Italian second level degree (“laurea magistrale”, under D.M. 207/04) in the following discipline: LMG/01 Law (or equivalent: Italian second level degree (“laurea specialistica”, under D.M. 509/99) in one of the following disciplines: 22/S Law; 102/S Theory and techniques of normation and legal information; Italian degree in Law obtained prior to D.M. 509/99); or equivalent qualification obtained abroad, in accordance with the provisions in art. 2 of this application procedure.

### **Selection procedure: based on academic and research record and interview**

The selection procedure is intended to establish the candidate’s preparation and aptitude for carrying out research activities in areas related to the PhD programme.

Except as provided by art. 3 of this application procedure, candidates must submit the following additional documents:

- 1) in case of degree already awarded, self-certification to prove that the degree has been conferred (if awarded by an Italian university), or Degree certificate (if awarded by a foreign university), with a list of exams taken and grades achieved;
- 2) curriculum of research and teaching activities in Italian or English indicating university qualifications held;
- 3) drafting of a research project to be carried out throughout the three years that must focus on one of the areas that will be discussed during the interview;
- 4) an abstract or report of the final thesis (defended or yet to be defended before the Board of Examiners) in Italian or English – minimum of five and maximum of ten pages – organised under the following headings: statement of purpose, research methodology used, results obtained;
- 5) any academic publications along with a list of these publications.

The Selection Committee has the capacity to assign scores up to a total of 60 points in the evaluation of candidate qualifications, as follows:

- Document stating the list of exams taken and grades achieved: from 0 to 15 points;
- Curriculum: from 0 to 20 points;
- Publications: from 0 to 5 points;
- Research project: from 0 to 20 points

Candidates awarded at least 30/60 in the assessment of academic and research record will be admitted to the interview.

The list of candidates admitted to the interview and any variations in the methods and terms of the selection procedure will be announced publicly in a date between the July 10 and July 11, 2019 only on the University website at

<https://www.unimore.it/didattica/doctorates.html> in the section relating to the PhD Programme in Legal Sciences.

The interview will focus on the research project and will assess students' general knowledge of one of the following disciplinary areas:

- Business Law
- Canon and Ecclesiastic Law
- Criminal Law
- Private Law
- Constitutional Law
- Criminal Procedural Law

The Selection Committee has the capacity to assign scores up to a total of 40 points in the interview.

No minimum score is required in order to pass the interview.

The title of the research project mentioned in the application form is not binding. Once admitted to the PhD Program a different title can be provided, in agreement with the Teaching Committee.

**Areas of the PhD Programme:** The Course is composed of a single curriculum in legal sciences marked by an interdisciplinary and international approach to the research. The purpose is to provide the students with advanced legal instruments for a high level of study and research, by stimulating their ability in legal reasoning. The Course is finalized to train high level legal practitioners as well.

The course is activated by the University of Modena and Reggio Emilia in agreement with the University of Parma. For the XXXV cycle, the administrative office is the University of Modena and Reggio Emilia. Students will be placed in the research groups of the two partner universities according to the seat of the supervisor (tutor) that will be assigned by the Faculty Board.

At the end of the Programme the University of Modena and Reggio Emilia confers a joint degree with the University of Parma.

Further information is available on the PhD Programme website at:

<http://www.dottgiur.unimore.it> (website under construction)

## **EXAM SCHEDULE**

**Interview in the presence:** July 16, 2019, 9:00 am. Interviews could continue on July 17, 2019 at 9:00 am, should there be a high number of candidates.

The examination will take place in Boardroom (Sala del Consiglio), Department of Law, Via San Geminiano 3, Modena.

## **12) PhD Programme in “HUMAN SCIENCES”**

**Places with scholarship:** 7 (2 of which are financed with funds from MIUR Call "Department of Excellence 2018-2022" - Department of Studies on Language and Culture - University of Modena and Reggio Emilia - CUP: E91118001500001 – field “ Digital Humanities and digital communication”)

**Places without scholarship:** 4

**Places reserved for industrial doctorate:**

- 2 employee of Social Cooperative TICE, with registered offices in Alta Val Tidone (PC), Località Seguzzone n. 3

**Reserved places:**

- **3** with apprenticeship contract for advanced training of three years financed by the Social Cooperative Casa Gioia for work training and research activities on the issue of Evidence-Based teaching for people with special needs with the following characteristics: quantitative research on the efficacy and efficiency of educational treatments, writing and implementation of criterion-based assessments for boys/girls and young adults with special needs, quantitative research on well-being, perceived effectiveness and social participation of the family (the trainees will be hired at the company plant located in via Gioia n. 5, Reggio Emilia (RE), to cover an operating position, following the regulations set in the collective labour agreement on what concerns the terms for the Social Cooperative sector to which the cooperative belongs);
- **1** with apprenticeship contract for advanced training of three years financed by the Social Cooperative TICE for work training and research activities on the issue of training psychologists and pedagogists: transferring know-how in diagnostic work and in the design of interventions with children with special educational needs; the research will focus on the development of online and offline training methods to transfer psycho-pedagogical know-how in working with children with special educational needs or with neuropsychological problems (executive functions) or with difficulties in using new technologies (the trainee will be hired at the company plant located in strada della Torre della Razza, 29122, Piacenza (PC), to cover an operating position (part-time 15 hours), following the regulations set in the collective labour agreement on what concerns the terms for the Social Cooperative sector to which the cooperative belongs).

**Admission requirements:** Italian second level degree (laurea specialistica, under D.M. 509/99 or laurea magistrale, under D.M. 207/04) or Italian degree obtained prior to D.M. 509/99 or equivalent qualification obtained abroad, in accordance with the provisions in art. 2 of this application procedure.

**Selection procedure: based on academic and research record and interview**

The selection procedure is intended to establish the candidate's preparation and aptitude for carrying out research activities in areas related to the PhD Programme.

Except as provided by art. 3 of this application procedure, candidates may submit the following additional documents:

- 1) self-certification to prove that the degree has been conferred (if awarded by an Italian university), or Degree certificate (if awarded by a foreign university), with a list of exams taken and grades achieved;
- 2) curriculum vitae of one's research and teaching activities written in Italian or English indicating university degree qualifications obtained;
- 3) a copy of the degree dissertation in electronic form, degree obtained prior to D.M. 509/99 or second level degree ("laurea specialistica/magistrale") or equivalent degree (if obtained abroad), or an abstract of the degree dissertation;
- 4) a short essay written in English – no longer than two pages – which illustrates the reasons why the candidate wishes to attend the PhD Programme and describes his/her specific research interests (Statement of Research Interest);
- 5) any certification attesting to knowledge of the English language (TOEFL, CAE/Proficiency or other) or other languages, indicating the level achieved by the candidate;
- 6) a research project, in Italian or English, in one of the subject areas of the PhD Programme. The project will be a description – between four and ten pages in length – with: aim of the research, literature review, materials and methods, results, references.

The project will not be binding for the Teaching Committee in terms of the possible attribution of a thesis title.

Candidates that intend to apply primarily for reserved places with apprenticeship contract for advanced training financed by the **Social Cooperative Casa Gioia**, must fill in and attach to the online application form the facsimile "Annex D1" of this call.

Candidates that intend to apply primarily for reserved place with apprenticeship contract for advanced training financed by the **Social Cooperative TICE**, must fill in and attach to the online application form the facsimile "Annex D1" of this call.

Candidates who meet the requirements (employees of the enterprise) and wish to apply primarily for the reserved places for industrial doctorate, must fill in and attach to the online application form the facsimile "Annex D2" of this call.

The Selection Commission will examine the presentation of the above documents for those who have expressed their interest in competing primarily for the reserved places.

The Selection Committee has the capacity to assign scores up to a total of 60 points in the evaluation of candidate qualifications, as follows:

- Curriculum: from 0 to 10 points,
- Master thesis/abstract and other qualifications: from 0 to 10 points,
- Publications: from 0 to 10 points,
- Research project: from 0 to 30 points.

Candidates will be accepted for interview where the evaluation of qualifications presented has a score of at least 40 points out of the 60 available. A list of the candidates admitted to interview, and any variation in the selection procedure, will be published between July 11 and 12, 2019 on the University web site at page

<http://www.unimore.it/didattica/doctorates.html>, in the section relating to the PhD Programme in Human Sciences.

For the interview, the Examiners may award a score of up to 60 points. Candidates may opt to have their interview in English. The interview, as well as the candidate's knowledge of the English language and of another language the candidate may have indicated in the application, will focus on the scientific methodologies used for the research project proposed by candidates and on the objectives the project aims to achieve, as well as on the research experience and the professional profile of the candidates.

A pass is achieved where candidates are awarded a minimum score of 40/60.

The Selection Committee will decide whether to admit or not only those who have applied primarily for the reserved places with apprenticeship contract for advanced training financed by the **Social Cooperative Casa Gioia**, based on the following documents:

- documentation attesting experience and interest on the the issue of Evidence-Based teaching for people with special needs with the following characteristics: quantitative research on the efficacy and efficiency of educational treatments writing and implementation of criterion-based assessments for boys/girls and young adults with special needs, quantitative research on well-being, perceived effectiveness and social participation of the family

The Selection Committee will decide whether to admit or not only those who have applied primarily for the reserved place with apprenticeship contract for advanced training financed by the **Social Cooperative TICE**, based on the following documents:

- documentation proving interest and experience on the subject of evidence-based practices in diagnosis, interventions and rehabilitation of children with special educational needs

Eligibility of students for the reserved places will not affect the evaluation of candidates but regards solely the allocation of such places; the reserved places will be allocated to the candidates reaching the best ranking position among those who have applied primarily for the reserved places.

The reserved places for the industrial doctorate will be allocated to the candidates reaching the best ranking positions among those who have applied primarily for the reserved places.

**Areas of the PhD Programme:** Digital Humanities; Digital communication; Language and Culture Studies (English, French, German, Italian studies); Narratology and Literature; Discourse analysis, Translation studies and Language Learning; Social, historical and philosophical studies; Philosophy of Language, Moral Philosophy and History of Ideas; Modern and Contemporary History; Sociology; Science Teaching; Cross-cultural Communication. Further information is available on the PhD Programme website at: <http://www.dottoratoscienzeumane.unimore.it/>

#### **EXAM SCHEDULE**

**Interview:** July 16, 2019, 9:30 am. Interviews could continue on July 17, 2019 at 9:00 am, should there be a high number of candidates.

The exam will take place in Room B1.2 (ex Room F) of the Department of Linguistic and Cultural Studies, Largo Sant'Eufemia 19, Modena.

**Interview via Skype (only for candidates resident abroad):** July 16, 2019, 3:00 pm.

The exam will take place in Room B1.2 (ex Room F) of the Department of Linguistic and Cultural Studies, Largo Sant'Eufemia 19, Modena.

For information on the interview procedure held via Skype candidates must refer to art.5 of this Call.

### **13) PhD Programme in “FOOD AND AGRICULTURAL SCIENCE, TECHNOLOGY AND BIOTECHNOLOGY” (Main centre: Reggio Emilia)**

**Places with scholarship:** 5 of which

- **1 with topic “Microalgae for water resources management integrated in electricity production systems from renewable sources”**, financed by the Emilia-Romagna Region in implementation of the Program High Skills for research and technology transfer – POR FSE 2014/2020 - thematic goal 10

**Places without scholarship:** 2

**Places reserved for industrial doctorate:**

- 1 employee of Acetificio Carandini Emilio Spa, with registered offices in Castelnuovo Rangone (MO), Via per Formigine n. 54;

- 1 employee of Esasem Spa, with registered offices in Casaleone (VR), Via G. Marconi n. 56;

- 1 employee of Modenaceti Srl, with registered offices in Vignola (MO), Via Bonesi n. 5;

- 1 employee of Pastificio Barbieri Srl, with registered offices in Correggio (RE), Via IV Novembre n. 2.

**Admission requirements:** Italian second level degree (laurea specialistica, under D.M. 509/99 or laurea magistrale, under D.M. 207/04) or Italian degree obtained prior to D.M. 509/99 or equivalent qualification obtained abroad, in accordance with the provisions in art. 2 of this application procedure.

**Selection Procedure (for the two selections):** There are two different selection procedures for this PhD Programme, depending on the type of available places. Candidates interested to more than one selection procedures must submit the application form and a fee of € 25.00 for each selection procedure.

The selection procedure is intended to establish the candidate's preparation and aptitude for carrying out research activities in areas related to the PhD programme.

Except as provided by art. 3 of this application procedure, candidates may submit the following additional documents:

1) self-certification to prove that the degree has been conferred (if awarded by an Italian university), or Degree certificate (if awarded by a foreign university), with a list of exams taken and grades achieved.

2) curriculum vitae of research and teaching activities, indicating clearly and concisely what candidate has studied, skills acquired (languages, knowledge of computers, use of complex instrumentation, etc.) including any official certifications he/she may have. The document may be written in Italian or English and must include the exact name and nature of degrees possessed, publications, if applicable, and contributions to conferences/congresses;

3) a summary of final thesis in Italian or English, or equivalent – minimum of three and maximum of six pages – organised under the following headings: statement of purpose, research methodology used, results obtained;

4) a short essay written in English – no longer than two pages – which illustrates the reasons why the candidate wishes to attend the PhD Programme and describes his/her specific research interests (Statement of Research Interest) in relation to one of the research areas of the PhD Programme (available from the PhD Programme website at: <http://www.steba.unimore.it/> under "Research topics").

5) any recommendation letters written by experts in the field of research of the PhD Programme, indicating the public or private institution the expert is affiliated with, which must be produced directly by the referents and exclusively according to the procedure indicated in art. 3 of this Call.

With reference to selection procedure no. 1 mentioned below, candidates who meet the requirements (employees of the enterprise) and wish to apply primarily for the reserved places, must fill in and attach to the online application form the facsimile "Annex D2" of this call.

The Selection Commission will examine the presentation of the above documents for those who have expressed their interest in competing primarily for the reserved places.

**1) Main selection (for places with scholarship, places without scholarship and places reserved for industrial doctorate): based on academic and research record**

The Selection Committee has the capacity to assign scores up to a total of 60 points in the evaluation of candidate qualifications, as follows:

- Curriculum: from 0 to 30 points,
- Master thesis: from 0 to 15 points,
- Publications: from 0 to 5 points,
- Other qualifications: from 0 to 10 points.

Once the qualifications have been assessed, the Committee will compile a merit-based ranking of candidates based on the scores awarded.  
Candidates obtaining a minimum score of 40/60 will be considered eligible.

The reserved places for the industrial doctorate will be allocated to the candidates reaching the best ranking position among those who have applied primarily for the reserved places.

**2) Selection procedure for a place with scholarship with topic “Microalgae for water resources management integrated in electricity production systems from renewable sources”: based on academic and research record**

The Selection Committee has the capacity to assign scores up to a total of 60 points in the evaluation of candidate qualifications, as follows:

- Curriculum: from 0 to 30 points,
- Master thesis: from 0 to 15 points,
- Publications: from 0 to 5 points,
- Other qualifications: from 0 to 10 points.

Once the qualifications have been assessed, the Committee will compile a merit-based ranking of candidates based on the scores awarded.

Candidates obtaining a minimum score of 40/60 will be considered eligible.

Once the qualifications have been assessed, the Committee will compile five merit-based rankings of candidates based on the scores awarded. The lists of admitted students will be issued following the conditions set in the art. 6 of this call. Candidates who applied for more than one selection procedure and are successfully ranked in more than one list can enrol on a single ranking only.

**Areas of the PhD Programme:** The PhD program deals with the production, processing, quality and safety of raw materials and of food. Further information is available on the website of the PhD course at: <http://www.steba.unimore.it>

Modena, 21/05/2019

THE RECTOR  
(Prof. Angelo Oreste Andrisano)

## **Annex A1 (for candidates holding degrees awarded in Italy only)**

Self-certification as substitute for attested declarations under articles 46 and 47, Presidential decree 445/2000

### **WARNING**

The following self-certification complies with the dispositions of Presidential decree 445 of the 28th December 2000: "LEGISLATIVE DISPOSITIONS AND RULES FOR ADMINISTRATIVE FORMS". In particular:

- Details provided by candidates have to be considered as substitute for attested declaration under articles 46-47; following article 76 candidates who provide mendacious information can incur in administrative and criminal penalties.
- Following article 39 the self-certification does not require official stamps.
- Under articles 71 and 72 the relevant University office will verify the information provided.
- The information requested in this self-certification follow article 16 is strictly necessary for the selection procedures and will be kept confidential following the Legislative decree 196 of the 30th June 2003 on personal data protection.

### **DEGREE DESCRIPTION**

**Italian second level degree "laurea magistrale" (under D.M. 270/04)  
or Italian second level degree "laurea specialistica" (under D.M. 509/1999)  
or Italian degree (prior to D.M. 509/1999)**

Aware of the provisions on criminal consequences for false declarations, under art. 76 of Presidential decree 445/2000 the undersigned

Family name \_\_\_\_\_

Given name \_\_\_\_\_

Place of birth \_\_\_\_\_

Date of birth (dd/mm/yyyy) \_\_\_\_\_

Citizenship \_\_\_\_\_

E-mail for correspondence \_\_\_\_\_

### **DECLARES TO HOLD THE FOLLOWING DEGREE CERTIFICATE**

(Tick only one of the three options)

- Italian second level degree "Laurea magistrale" (under D.M. 270/04) in

\_\_\_\_\_ Degree class of \_\_\_\_\_

- Italian second level degree "Laurea specialistica" (under D.M. 509/1999) in

\_\_\_\_\_ Degree class of \_\_\_\_\_

- Italian degree (prior to D.M. 509/1999) in

\_\_\_\_\_

Degree awarded by the University of \_\_\_\_\_

on the (dd/mm/yyyy) \_\_\_\_\_

Final mark \_\_\_\_\_

**AND DECLARES**

that, in accordance with articles 46 and 47 of Presidential decree 445/2000, the information included in all the copies attached to the admission form is correct.

\_\_\_\_\_  
Date and place

\_\_\_\_\_  
Signature (legible and in full)

## **Annex A2 (for candidates holding foreign degrees only)**

Self-certification as substitute for attested declarations under articles 46 and 47, Presidential decree 445/2000

### **WARNING**

The following self-certification complies with the dispositions of Presidential decree 445 of the 28th December 2000: "LEGISLATIVE DISPOSITIONS AND RULES FOR ADMINISTRATIVE FORMS". In particular:

- Details provided by candidates have to be considered as substitute for attested declaration under articles 46-47; following article 76 candidates who provide mendacious information can incur in administrative and criminal penalties.
- Following article 39 the self-certification does not require official stamps.
- Under articles 71 and 72 the relevant University office will verify the information provided.
- The information requested in this self-certification follow article 16 is strictly necessary for the selection procedures and will be kept confidential following the Legislative decree 196 of the 30th June 2003 on personal data protection.

## **DESCRIPTION OF THE QUALIFICATION (Degree, Master of Science or equivalent)**

### **INFORMATION IDENTIFYING THE HOLDER OF THE QUALIFICATION**

Family name \_\_\_\_\_

Given name \_\_\_\_\_

Place of birth \_\_\_\_\_

Date of birth (dd/mm/yyyy) \_\_\_\_\_

Citizenship \_\_\_\_\_

E-mail for correspondence \_\_\_\_\_

### **INFORMATION IDENTIFYING THE QUALIFICATION**

Level of Qualification (Degree, Master of Science or other) \_\_\_\_\_

Qualification in \_\_\_\_\_

Qualification awarded at the University of \_\_\_\_\_

Qualification awarded on (dd/mm/yyyy) \_\_\_\_\_

Final degree mark /grade \_\_\_\_\_

Main Field(s) of Study for the Qualification \_\_\_\_\_

Language(s) of Instruction/Examination \_\_\_\_\_

Official Length of Programme (years) \_\_\_\_\_

Access Requirement(s) to Programme \_\_\_\_\_

**INFORMATION ON THE EXAMINATIONS AND RESULTS GAINED FOR THE QUALIFICATION  
(Examination and individual grades/marks/credits obtained)**

DATE	EXAMINATION	GRADE	MARK	CREDITS OBTAINED

Useful additional information about examinations and results \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**INFORMATION ON THE FUNCTION OF THE QUALIFICATION IN THE COUNTRY WHERE THE  
QUALIFICATION WAS AWARDED**

Does the title described above, in the country where it has been awarded, enable application to University PhD programmes? (Tick only one of the two options)

- Yes             No

**ADDITIONAL DECLARATION**

In accordance with articles 46 and 47 of Presidential decree 445/2000, the information included in all the copies attached to the admission form is correct.

\_\_\_\_\_  
Date and place

\_\_\_\_\_  
Signature (legible and in full)

**Annex B (Facsimile to be used only for applications to the PhD Programme in Labour, development and innovation).**

**CURRICULUM VITAE**

**for the purposes of the application for enrolment on the Doctoral Research Programme (XXXV cycle)**

**PERSONAL DATA**

Name and surname

Date of birth

Nationality

Address

Telephone number and e-mail

Skype address

**EDUCATION**

Period

Institution

Country where the qualification was awarded

Qualification awarded

Final mark

**WORK EXPERIENCE**

Period

Type of employment

Sector

Employment grade and duties

**PARTICIPATION IN RESEARCH PROJECTS**

Period

Title of the project

Disciplinary area

Tasks performed as part of the project

**LANGUAGE SKILLS** (Specify for each language the level of knowledge on the basis of the following scale, as laid down in the Common European Framework of the Council of Europe. Reference should also be made to any certification awarded to the candidate, such as TOEFL, etc.)

**LANGUAGE.....**

A1 (BEGINNER)

A2 (ELEMENTARY)

B1 (PRE INTERMEDIATE)

B2 (POST INTERMEDIATE)

C1 (ADVANCED)

C2 (PROFICIENCY)

**ANALYTICAL SKILLS** (Please specify, where applicable, analytical skills in relation to the research activity: statistical software, informatic instruments or database)

**LIST OF PUBLICATIONS (WHERE APPLICABLE)**

Date and place

Signature

**Annex C (Facsimile to be used only for applications to the PhD Programme in Labour, development and innovation).**

**RESEARCH PROJECT**

Submitted for the purposes of the application for enrolment on the Doctoral Research Programme (XXXV cycle) by

**Name and surname**

**Title of the project**

**Curriculum (not binding choice; please mark the preferred option)**

- Labour, development and innovation
- Industry 4.0

**Research Areas: (not binding choice; please mark the preferred option)**

- Work transformations, innovation & business models;
- Work Organization, discretion at work and performance appraisal in digital enterprises;
- Engineering Economics & Financial Innovation;
- Corporate ethics and sustainability;
- Health, disability, work and care;
- Gender inequalities in STEM areas of education and impact in the access to digital economy;
- Other (specify)

**Abstract**

*(Summarise in no more than 10 lines the content and objectives of the project):*

**Background and goals (please explain the theoretical framework, the investigated problems and the goals of the project)**

*(Maximum 10.000 characters):*

**Methodology and intermediate stages of the research**

**Please, specify (where applicable) analytical skills used in relation to the research activity  
(for example: statistical software, informatic instruments o database)**

*(Maximum 5.000 characters):*

**Essential bibliography**  
(*Minimum 10 publications*):

Date and place

Signature

## Annex D1 (Apprenticeship contract)

### DECLARATION OF PRIORITARY INTEREST FOR THE FOLLOWING RESERVED PLACE

(the contract may be concluded only by candidates who have not yet reached their thirtieth year of age at the time of signing the contract)

I, \_\_\_\_\_ (full name), born in \_\_\_\_\_ (place) on \_\_\_\_\_ (date)

wish to express my interest in applying primarily for the following reserved place (please tick one of the following options)

- PhD Programme in “**Molecular and regenerative medicine**”:

- n. 3 places with apprenticeship contract for advanced training financed by Holostem Terapie Avanzate Srl Company for work, training and research activities on the development of advanced therapy products based on epithelial stem cells.

- PhD Programme in “**Human Sciences**”:

- n. 3 places with apprenticeship contract for advanced training financed by the Social Cooperative Casa Gioia for work training and research activities on the issue of Evidence-Based teaching for people with special needs with the following characteristics: quantitative research on the efficacy and efficiency of educational treatments, writing and implementation of criterion-based assessments for boys/girls and young adults with special needs, quantitative research on well-being, perceived effectiveness and social participation of the family.
- n. 1 place with apprenticeship contract for advanced training financed by the Social Cooperative TICE for work training and research activities on the issue of training psychologists and pedagogists: transferring know-how in diagnostic work and in the design of interventions with children with special educational needs; the research will focus on the development of online and offline training methods to transfer psycho-pedagogical know-how in working with children with special educational needs or with neuropsychological problems (executive functions) or with difficulties in using new technologies.

The option hereby chosen has priority over regular places, with or without scholarship.

Date and place,

Signature

## Annex D2 (Industrial doctorate)

### DECLARATION OF PRIORITARY INTEREST FOR THE FOLLOWING RESERVED PLACE

I, \_\_\_\_\_ (full name), born in \_\_\_\_\_ (place) on \_\_\_\_\_ (date)  
employee of the Company \_\_\_\_\_  
with contract \_\_\_\_\_

wish to express my interest in applying primarily for the following reserved place (please tick one of the following options)

- PhD Programme in “**Information and communication technologies (ICT)**”:

- n. 1 place reserved for employees of Axyon AI Srl

PhD Programme in “**Industrial innovation engineering engineering**”:

- n. 1 place reserved for employees of ASK Industries Spa
- n. 1 place reserved for employees of Industria Tecnologica Italiana Srl

- PhD Programme “Enzo Ferrari” in “**Industrial and environmental engineering**”:

- n. 2 places reserved for employees of Ferrari Spa
- n. 1 place reserved for employees of Ducati Motor Holding Spa

- PhD Programme in “**Labour, development and innovation**”

- n. 1 place reserved for employees of Coopservice S.Coop.P.A.
- n. 2 places reserved for employees of Hera Spa
- n. 1 place reserved for employees of Aspera231 Srl
- n. 1 place reserved for employees of High Performance Engineering Srl

- PhD Programme in “**Reggio childhood studies**”:

- n. 1 place reserved for employees of Fondazione Reggio Children – Centro Loris Malaguzzi

- PhD Programme in “**Human sciences**”:

- n. 2 places reserved for employees of Social Cooperative TICE

- PhD Programme in “**Food and agricultural science, technology and biotechnology**”:

- n. 1 place reserved for employees of Acetificio Carandini Emilio Spa
- n. 1 place reserved for employees of Esasem Spa
- n. 1 place reserved for employees of Modenaceti Srl
- n. 1 place reserved for employees of Pastificio Barbieri Srl

The option hereby chosen has priority over regular places, with or without scholarship.

Date and place,

Signature

## Annex D3 (Three-year research grant)

### DECLARATION OF PRIORITARY INTEREST FOR THE FOLLOWING RESERVED PLACE

I, \_\_\_\_\_ (*full name*), born in \_\_\_\_\_ (*place*) on \_\_\_\_\_ (*date*)

wish to express my interest in applying primarily for the following reserved place (please tick one of the following options)

#### - PhD Programme in “**Clinical and experimental medicine (CEM)**”

- n. 1 place funded by with a three-year research grant: **The role of sex steroids in the cross-talk between neuroendocrine and skeletal-muscle systems;**

#### PhD Programme in “**Neurosciences**”

- n. 1 place funded by with a three-year research grant: **Biomarkers of chronic pain in animal models of migraine: molecular aspects and clinical matches;**
- n. 1 place funded by with a three-year research grant: **Establishing the prognostic value of cognitive-behavioural phenotype and functional neuroimaging in the progression of patients with minor neurocognitive disorder;**
- n. 1 place funded by with a three-year research grant: **Functional characterization of spinal sensory circuits in transgenic animal models;**
- n. 1 place funded by with a three-year research grant: **Hybrid enhanced regenerative medicine systems – HERMES.**

The option hereby chosen has priority over regular places, with or without scholarship.

Date and place,

Signature

**ANNEX E**

**FORM “Declaration of interest in a possible apprenticeship contract for advanced training”**

**DECLARATION OF INTEREST IN A POSSIBLE APPRENTICESHIP CONTRACT FOR  
ADVANCED TRAINING**

(the contract may be concluded only by candidates who have not yet reached their thirtieth year of age at the time of signing the contract)

**The document must be attached to the application for enrolment in the PhD course or programme- a. a. 2019/2020 only if the candidate is interested in any contract of apprenticeship for advanced training that may become available later**

I, \_\_\_\_\_ (*full name*), born in \_\_\_\_\_ (*place*) on \_\_\_\_\_ (*date*), wish to express my interest in any possible “apprenticeship contract for advanced training and research” that may become available, to be drawn up in accordance with under Legislative Decree no. 81/2015 and Interministerial Decree 12/10/2015 and allocated to enrolled students selected by the University, in conjunction with any interested firms, for such a contract and on the basis of candidates’ specific qualifications.

Date and place,

Signature (legible and in full)

## ANNEX F

### Form “Self-certification of subscription to Gestione Separata Inps”

To  
Payroll Office – Finance Directorate  
Università degli Studi di Modena e Reggio Emilia  
Via Università, 4  
41121 Modena  
Fax: +39 (0)59 2057109  
E-mail: [ufficiostipendi@unimore.it](mailto:ufficiostipendi@unimore.it)

#### Autocertificazione di iscrizione alla Gestione Separata Inps

(resa ai sensi del D.P.R. 28 dicembre 2000, n.445 e s.m.i.)

Il sottoscritto ....., nato a  
..... il ..... e residente a  
..... in via .....

Titolare di (barrare la relativa opzione):

- |   |   |
|---|---|
| <input type="checkbox"/> Assegno di ricerca               | <input type="checkbox"/> Collaborazione coordinata e continuativa               |
| <input type="checkbox"/> Dottorato di ricerca             | <input type="checkbox"/> Docenza a contratto                                    |
| <input type="checkbox"/> Borsa di Specializzazione Medica | <input type="checkbox"/> Prestazione d’opera occasionale (redditi > € 5.000,00) |
| <input type="checkbox"/> Tutorato L.170/230               |   |

DICHIARA:

di essere iscritto alla data odierna, ed in seguito a conferma dell’Inps, alla Gestione Separata Inps:

- “ALTRA CASSA - aliquota MINIMA”<sup>1</sup> in quanto iscritto presso la seguente cassa pensionistica: .....
- “ALTRA CASSA - aliquota MINIMA”<sup>1</sup> in quanto titolare di pensione diretta
- “CASSA UNICA - aliquota MASSIMA”<sup>2</sup> in quanto non iscritto presso alcuna cassa pensionistica obbligatoria

FIRMA

.....

Il sottoscritto dichiara, inoltre, di essere consapevole delle sanzioni penali, nel caso di dichiarazioni mendaci, richiamate dall’art. 76 del D.P.R. 445/2000 e dall’art. 495 del C.P. e **si impegna a comunicare, prima della liquidazione del compenso, qualsiasi modifica di quanto dichiarato.**

Modena,.....

Firma

.....

**Si allega alla presente fotocopia del documento di identità del sottoscrittore e, possibilmente, tessera sanitaria o tessera codice fiscale.**

<sup>1</sup> Dall’anno 2016: 24,00%.

<sup>2</sup> Per l’anno 2018: 34,23%; (33 + 0,72 aliquota aggiuntiva + 0,51 DISCOLL)

## ANNEX G (Part 1) - Form “Accompanying declaration for scholarship holders”

### DECLARATION TO BE ATTACHED FOR PhD STUDENTS HOLDING SCHOLARSHIPS IN THE PROCEDURE FOR APPLICATION FOR ENROLMENT ON A PhD PROGRAMME A. Y. 2019/2020, XXXV cycle

To be completed only by holders of scholarships

I, the undersigned Surname \_\_\_\_\_ First name \_\_\_\_\_

DECLARE TO BE FULLY AWARE THAT:

- a) the grant to which this declaration relates cannot be accumulated with any other study grants, regardless of their title, with the exception of grants awarded by national or foreign institutions which are available to support, with periods of study abroad, the grant holder’s training or research activities (art. 6, para 1, of Law 30.11.1989, n. 398);
- b) students who have previously held a grant cannot hold a second grant with the same title (art. 6, para 2, of Law 30.11.1989, n. 398);
- c) art. 1, sub-para a), of Law 315/98 states that, from the date 01.01.99, the MIUR (Ministry for Education, Further Education and Research) is required to guarantee the application of study grants to pursue research doctorates as per the regulations laid down by art 2, para 26, first part of Law No.335/95, and also art. 59, para 16, of Law No.449/97, as amended (compulsory general insurance with INPS – Italian Social Security Institute);
- d) state employees who hold grants to which this declaration relates may request special leave without pay for study purposes, as provided by art. 2 of Law No.476/1984 (art. 6, para 7, Law 398/89).

I, the undersigned, in accordance with articles 46 and 47 of D.P.R. No.445 of 28.12.2000, aware of the liability incurred in the event of a false declaration,

DECLARE

- a) **not to hold**, for the entire duration of the doctorate, other study grants of any title whatsoever, with the exception of grants awarded by national or foreign institutions which are available to support, with periods of study abroad, the grant holder’s training or research activities (art. 6, para 1, of Law No.398 of 30.11.1989);
- b) **not to have held**, even if only for one year, another study grant to pursue postgraduate courses (art. 6, para 2, Law 398/89);
- c) **not to hold** a grant for collaboration in a research activity under art. 51, para 6, Law 449/97 and D.M. II.02.1998
- d) to be aware of the rights and obligations of graduates, as specified in the notices of competitions for admission to PhD Programmes, XXXV cycle – A.Y. 2019/2020, published on the internet site of the University of Modena and Reggio Emilia;
- e) to have read and fully understood the regulatory provisions governing research doctorates, as published on the internet site of the University of Modena and Reggio Emilia.
- f) to hereby provide consent to their personal data being held, including sensitive information, in accordance with Legislative Decree No.196/2003 and to be aware that the databank is the property of the University of Modena and Reggio Emilia.

Italian and foreign citizens holding an academic degree awarded abroad are reminded they have to submit their academic transcript of records, together with its legalized Italian translation and the “declaration of equal value” issued by the Italian consular office of the country where the degree was awarded, if it is not already enclosed with the online application form.

Please note that citizens of States which do not belong to the European Union must provide documentation certifying insurance cover for medical treatment and hospitalization, together with a valid residence permit.

Date \_\_\_\_\_

\_\_\_\_\_  
Signature

## ANNEX G (Part 2) - Form “Accompanying declaration for scholarship holders”

### DECLARATION ACCOMPANYING APPLICATION FOR ENROLMENT ON A PhD PROGRAMME A.Y. 2019/2020, XXXV

To be completed only by holders of scholarships

With full knowledge of the liability incurred in the event of a false declaration, in accordance with articles 46 and 47 of D.P.R. No. 445 of 28.12.2000, I the undersigned

Surname \_\_\_\_\_ First name \_\_\_\_\_

Tax code \_\_\_\_\_ Acquired surname \_\_\_\_\_

Born in \_\_\_\_\_ province of \_\_\_\_\_ on the \_\_\_\_\_

Resident at (street) \_\_\_\_\_ No. \_\_\_\_\_ Town/city \_\_\_\_\_ Post code \_\_\_\_\_

Province/State/County \_\_\_\_\_ Tel. \_\_\_\_\_ Work \_\_\_\_\_ tel. \_\_\_\_\_

MOBILE PHONE \_\_\_\_\_ E-mail \_\_\_\_\_

Domiciled (if different from above) at \_\_\_\_\_ No. \_\_\_\_\_

Town/City \_\_\_\_\_ Post code \_\_\_\_\_ Province/State/County \_\_\_\_\_

#### REQUEST that the sum relating to the study grant

is paid into the current account of : \_\_\_\_\_ (payment can only be made to an account in the name of the grant holder; the account may be in the name of more than one person inclusive of the grant holder– in this case specify all co-holders) with IBAN \_\_\_\_\_

The International Bank Account Number consists of 27 characters: IT, 2 international code numbers, 1 national code letter (CIN), 5 numbers for the ABI code, 5 numbers for the CAB code, 12 alphanumeric characters for the current account number.

Important note: to avoid errors in the payment of sums due, the above-indicated fields must be completed fully and correctly.

If in any doubt, please contact your own bank.

Please note that any bank charges arising from the bank transfer are the responsibility of the recipient of the monies.

**I, the undersigned undertake to register promptly with the “INPS gestione separata” (by internet through the website at [www.inps.it](http://www.inps.it) – section “Iscrizione dei lavoratori parasubordinati alla Gestione Separata” <https://www.inps.it/nuovoportaleinps/default.aspx?itemdir=50175> – select “Accedi al Servizio”, or through the INPS Contact Centre at [www.inps.it](http://www.inps.it)) and to deliver or send via fax to number 059/2057109 or via e-mail a [ufficiostipendi@unimore.it](mailto:ufficiostipendi@unimore.it) the affidavit to prove the registration (using the form “Autocertificazione di iscrizione alla Gestione Separata Inps”) to the Ufficio Contabilità e Stipendi of the Università di Modena e Reggio Emilia, Via Università n. 4, Modena, by November 6, 2019 (if the graduate is already subscribed to the “INPS gestione separata” as a result of previous collaborations with other clients, it is only necessary to provide the affidavit confirming the registration with the INPS).**

**The payment of the grant is made in monthly instalments with fixed currency on 25th of the following month. The related coupons (“cedolini”) will be exclusively available on-line, at Intranet page <https://in.unimore.it/intra/ptecamm/cedoline.html> (by selecting “Accedi al servizio”).**

In the event that facts are ascertained during the course of the year which vary from those declared, the undersigned undertakes to immediately communicate the relevant facts in writing, exonerating the University of Modena and Reggio Emilia from any responsibility whatsoever concerning the same.

#### Information in accordance with Legislative Decree of 30th June 2003, No.196

The personal data contained on this form is gathered by the University for the sole purpose of fulfilling all of its administrative, accounting, financial and social security obligations under the law. The personal data gathered will, in observance of the aforementioned legislative obligations, be communicated to the Ministero delle Finanze (Ministry of Finance), the INPS office (Italian Social Security Institute), and to any other public bodies, to permit the same to carry out the respective institutional functions, within the boundaries established by the law and regulations.

Date \_\_\_\_\_ (Signature) \_\_\_\_\_

**ANNEX H - Form "Declaration to be completed only by applicants without scholarships"**

**DECLARATION ACCOMPANYING APPLICATION FOR ENROLMENT ON A PhD PROGRAMME  
A.Y. 2019/2020, XXXV cycle**

I, the undersigned \_\_\_\_\_

**DECLARE**

- a) that I am aware of the rights and obligations of graduates, specified in the notice of competition for admission to PhD Programmes, XXXV cycle – A.Y. 2019/2020, on the internet site of the University of Modena and Reggio Emilia: *www.unimore.it*;
- b) to have read and fully understood the rules and regulations governing research doctorates, as published on the internet site of the University of Modena and Reggio Emilia: *www.unimore.it*.
- c) to hereby provide consent to their personal data being held, including sensitive information, in accordance with Legislative Decree No.196/2003 and to be aware that the databank is the property of the University of Modena and Reggio Emilia.

Italian and foreign citizens holding an academic degree awarded abroad are reminded they have to submit their academic transcript of records, together with its legalized Italian translation and the "declaration of equal value" issued by the Italian consular office of the country where the degree was awarded, if it is not already enclosed with the online application form.

Please note that citizens of States which do not belong to the European Union must provide documentation certifying insurance cover for medical treatment and hospitalization, together with a valid residence permit.

Date \_\_\_\_\_

\_\_\_\_\_  
Signature