



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

**DEADLINE FOR APPLICATIONS: July 31, 2018, 1:00 pm (Italian time)**

Student Services Area  
Postgraduate Office

Rector's Decree No. 349/2018  
Prot. No. 112833 of 10/07/2018

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 Agreement of April 7, 2006 between the Ministry of Education, Higher Education and Research, and the University of Modena and Reggio Emilia, 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, related to the PhD program in "Labour, development and innovation";
- GIVEN the agreements stipulated with the Universities of Parma and Ferrara in relation to the Mathematics and Neuroscience PhD courses;
- GIVEN Law no. 240 of December 30, 2010;
- 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 5, 2018, prot.3419 on the "*Operational indications PhD Programmes A.A. 2018-2019-XXXIV cycle*";

- GIVEN the resolutions of the Senate of March 16, 2018 and of the Exexecutive Boards of March 19, 2018 which approved the establishment of PhD programmes, with administrative headquarters at the University of Modena and Reggio Emilia, for the academic year 2018/2019;
- GIVEN the Rector's Decree no. 234 of 7 May 2018 with which it was determined the amount of tuition and fee charges for enrolment and attendance in PhD programmes for the academic year 2018/2019;
- GIVEN the Rector's Decree no. 238, prot.70820 of May 10, 2018, integrated with Rector's Decree no. 248, prot.73355 of May 16, 2018, with which University of Modena and Reggio Emilia selective procedures have been issued for admission to PhD programmes with a duration of three years, at the XXXIV cycle, Academic Year 2018/2019;
- GIVEN the Rector's Decree no. 249, prot.73976 of May 18, 2018, with which University of Modena and Reggio Emilia selective procedures have been issued for admission in the positions with scholarship for the PhD programmes in "Clinical and experimental medicine (CEM)" and "Molecolar and regenerative medicine", recipients of the ministerial funding "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;
- DEEMED it necessary to proceed with publication of a selection procedure for a position with scholarship in the PhD programme in "Labour, development and innovation", following the provisions of the abovementioned Protocol Agreement of April 7, 2006;
- DEEMED it necessary to proceed with publication of the call for applications for the abovementioned positions with scholarship of the PhD programmes 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 XXXIV cycle, Academic Year 2018/2019.

**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 5, 2018, prot. 3419 on the "Operational indications PhD Programmes A.A. 2018-2019-XXXIV cycle".**

The positions are funded by scholarship tied to specific topics, as indicated in art. 17 in the paragraphs related to each PhD programme. 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.

Those winning candidates of the scholarships 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) will be required to be resident or domiciled in Emilia-Romagna Region. These candidates will be required to sign a document that informs that the scholarships are funded thanks to the European Social Fund.

All those winning candidates will be required to carry out the research projects assigned to them by the competent Board of the PhD Programme.

**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, 2018**, 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. 270/04), 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, 2018, 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, 2018, 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.

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.

### **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 **July 31, 2018, 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 topics.**

They will not be taken into account requests made on the occasion of other selection procedures for admission to doctoral programs banned by this University.

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 "Registration"; those who have already registered should select "Login" and proceed with the following steps: insert username and password, and then, in the Student area, select "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.

The payment of € 25.00 must be made before July 31, 2018.

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 “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 (July 31, 2018, 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 a secondary school diploma;
- g) 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;
- h) the exact title of the PhD Programme chosen by the candidate;
- i) knowledge of a second foreign language (either French, German or Spanish), in addition to English;
- j) curriculum vitae (that must include the Skype address);
- k) academic qualifications and any other documents;
- l) publications;
- m) in the case of candidates with special needs, any accommodations required for taking the examinations, in accordance with Law no. 104 of February 5, 1992.

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, 2018;
- 4) in the case of candidates who complete their degree after the deadline for this call, but before October 31, 2018, 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 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 August 3, 2018, 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 15, 2018, 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;

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 3 to July 31, 2019.

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 <http://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 '*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 in the 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 E “Declaration accompanying application for enrolment on a PhD Programme” - part 1 and part 2;
- g) (in case of students of specialization schools in the medical area) a written permission issued by the Specialization School Committee, following previous art. 6.

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”).

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, 2018, 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, 2018, 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).**

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 B “Self-certification of subscription to Gestione Separata Inps”) to the Salaries Office (“Ufficio Contabilità”) by November 6, 2018, 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, 2018, 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.

#### **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 2018/2019 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)", "Molecular and regenerative medicine" 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 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:

- Scholarships granted by abovementioned Regional Agency (financial aid with admission by ranking list, incompatible with PhD scholarship);
- Accommodation facilities (with free admission, with admission by ranking list, with free admission for non-resident students "Fuorisede");
- Subsidies for catering service (with assisted admission).

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 2018/2019 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.

**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 on the aforementioned benefits, candidates may contact the Er.Go Offices <http://www.er-go.it/index.php?id=11> (phone +39 051/6436900 Call Centre – "Ergo risponde" <http://www.er-go.it/fileadmin/include/faq/index.php>).

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. 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 call.

### **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: <http://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: 1 with topic “Data-driven technologies for drug repurposing”**, 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.

**Admission requirements:** Italian second level degree (“laurea magistrale”, under D.M. 207/04) in the following discipline: LM-13 Pharmacy and industrial pharmacy (or equivalent: Italian second level degree (“laurea specialistica”, under D.M. 509/99) in the following discipline: 14/S Pharmacy and industrial pharmacy; Italian degrees in Pharmacy,

Chemistry and Pharmaceutical Technology 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**

The selection procedure is intended to establish the candidate's preparation and aptitude for carrying out research activities with respect to the given topic.

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 specific research interest (Statement of Research Interest) with respect to the given topic;
- 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;

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

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

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:**

- 1 with topic “Multimedia Data Learning: Big Multimedia Data Processing, Understanding, Retrieval by Learning”.
- 1 with topic “Photonic Technologies for real time monitoring of product quality in manufacturing and agri-food industry”.

The two scholarships are 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.

**Admission requirements (for the two selections):** 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 two given topics. Candidates interested to more than one selection procedure must submit the application form and a fee of € 25.00 for each selection procedure.

The selection procedures are intended to establish the candidate's preparation and aptitude for carrying out research activities with respect to the given topics.

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) with respect to the given 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.

**1) Selection procedure for one scholarship with topic “Multimedia Data Learning: Big Multimedia Data Processing, Understanding, Retrieval by Learning”: 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.

## **2) Selection procedure for one 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.

**Areas of the PhD Programme:** The Doctorate offers three curricula (Computer Engineering and Science; Electronics and Telecommunications; Industrial Applications of ICT). The topics of the ICT Doctorate concern the disciplines of Computer Engineering and Science, Electronics, Electronic Measurements, Telecommunications, Electromagnetic Fields, Automatic Controls and Power System and the applications of the abovementioned disciplines in the industrial field.

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

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

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

**Places with scholarship: 1 with topic “A LabORatory for Holistic Training in Research and Applications for Industry 4.0 (LabORA)”**, 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.

**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**

The selection procedure is intended to establish the candidate’s preparation and aptitude for carrying out research activities with respect to the given topic.

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 research interest (Statement of Research Interest) with respect to the given topic.
- 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.

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.

**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.

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 in “LABOUR, DEVELOPMENT AND INNOVATION”**

**Places with scholarship:**

- **1 with topic “Big data, firm stakeholders' selection and sustainability of business models”**, 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.

- **1 with topic “Big data & Industry 4.0: Organization Strategies”**, financed by the Ministry of Education, Higher Education and Research.

**Admission requirements (for the two selections):** 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 two given topics. Candidates interested to more than one selection procedure must submit the application form and a fee of € 25.00 for each selection procedure.

The selection procedures are intended to establish the candidate’s preparation and aptitude for carrying out research activities with respect to the given topics.

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 given topics. Applications should be supported by at least one academic reference, or by business or labour market experts.

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 <http://www.fmb.unimore.it/scuola-di-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 <http://www.fmb.unimore.it/scuola-di-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.

**1) Selection procedure for one scholarship with topic “Big data, firm stakeholders' selection and sustainability of business models”:** 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 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, 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 September 5 and 6, 2018 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.

## **2) Selection procedure for one scholarship with topic “Big data & Industry 4.0: Organization Strategies”: 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 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, 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 September 5 and 6, 2018 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.

**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 focuses on: functional flexibility and productivity; subsidiary welfare systems (at the level of the company, collective agreements, and social programmes); work/life balance; labour, values, regulation; wage and employment discrimination; evaluation of public policies; employee representation; labour markets and new contractual models; health and safety at work, organisational welfare and work related stress; collective bargaining and transnational solidarity; innovation and economic development, financial innovation; territorial development; enterprise innovation; start-ups; managerial and financial instruments for business growth.

The Industry 4.0 curriculum focuses on: general, analytical, industrial accounting, and in particular, on the analysis of the costs related to the use of PLM, MES, ERP systems, advanced data analytics, management of the life cycle, operational research, organisation

and project management, project finance, cost/benefit analysis, industrial robotics, integrated project design and advanced simulation, development and management of platforms of product-process-service enabled by IoT and User Centred Design technologies, cognitive and intelligent production systems based on digital platforms, energy efficiency and sustainability.

Further information: <http://www.fmb.unimore.it/scuola-di-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 the Doctoral School in “E4E (Engineering for Economics – Economics for Engineering)”.

## **EXAM SCHEDULE**

### **(SELECTION 1 - for one scholarship with topic “Big data, firm stakeholders' selection and sustainability of business models”**

**Interview in the presence:** September 10, 2018, 9:30 am. Interviews could continue on September 11, 2018, at 9:30 am, should there be a high number of candidates,

The examination will take place in the Reading Room (Sala Lettura) of the Marco Biagi Foundation, Largo Marco Biagi 10, Modena.

**Interview via Skype (allowed for each candidate, regardless of residence):** September 10, 2018, 9:00 am. Interviews could continue on September 11, 2018, 9:00 am, should there be a high number of candidates.

The examination will take place in the Reading Room (Sala Lettura) 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.

### **(SELECTION 2 - for one scholarship with topic “Big data & Industry 4.0: Organization Strategies”**

**Interview in the presence:** September 10, 2018, 12:00 am. Interviews could continue on September 11, 2018, at 12:00 am, should there be a high number of candidates.

The examination will take place in the Reading Room (Sala Lettura) of the Marco Biagi Foundation, Largo Marco Biagi 10, Modena.

**Interview via Skype (allowed for each candidate, regardless of residence):** September 10, 2018, 11:30 am. Interviews could continue on September 11, 2018, 11:30 am, should there be a high number of candidates,

The examination will take place in the Reading Room (Sala Lettura) 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.

## **5) PhD Programme in “MATHEMATICS”**

**in cooperation with the University of Parma and University of Ferrara**

**Places with scholarship: 1 with topic “New Mathematical and Computer Science Methods for Water and Food Resources Exploitation Optimization”,** 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.

**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**

The selection procedure is intended to establish the candidate's preparation and aptitude for carrying out research activities with respect to the given topic.

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 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 with respect to the given topic;
- 4) an abstract or report of the final thesis (defended or yet to be defended before the Board of Examiners) in Italian or English – maximum five 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;
- 6) any letters of presentation, up to a maximum of two, 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 this Call.

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,
- Report of the final thesis (defended or yet to be defended before the Board of Examiners): from 0 to 20 points,
- Research project: from 0 to 20 points,
- Publications: from 0 to 5 points,
- Letter of presentation and 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 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 mathematics marked by an interdisciplinary and international approach to the research. The purpose is to provide the students with advanced mathematical instruments for a high level of study and research, by stimulating their ability in mathematical reasoning. The Course encourages and fosters international relationships, by promoting cultural exchanges with foreign Professors and by establishing periods of study abroad for the students.

The course is activated by the University of Modena and Reggio Emilia in agreement with the University of Parma and the University of Ferrara. For the XXXIV 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 and the University of Ferrara.

Further information is available on the PhD Programme website at:

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

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

**Places with scholarship: 1 with topic “Enhancement of agro-industrial waste for energy recovery, production of fiber - vegetable fats - tannins - biopharmacologically active principles of nutraceutical and cosmeceutical use”,** 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.

**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 the given topic.

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 given topic;
- 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 20 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 5 points.

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

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

The interview intends to clarify and verify the previous experience of the candidate according to what is presented in the documentation presented by the candidate, and his scientific interests and possible lines of development of his career within the possibilities offered by the PhD Course, as expressed by the candidate in the Statement of Research Interest.

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 August 29 and 30, 2018 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.

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.html>.

## EXAM SCHEDULE



**Interview in the presence:** September 3, 2018, 9:00 am. Interviews could continue on September 4, 2018 at 9:00 am, should there be a high number of candidates.

The examination will take place in Room U1.4 of the Department of Chemical and Geological Sciences, Via Campi 103, Modena.

**Interview via Skype (Allowed for each candidate, regardless of residence):**

September 5, 2018, 9:00 am, in Room U1.4 of the Department of Chemical and Geological Sciences, Via Campi 103, Modena. Interviews could continue on September 6, 2018 at 9:00 am in Room U1.3 of the Department of Chemical and Geological Sciences, Via Campi 103, Modena, should there be a high number of candidates.

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: 1 with topic “An integrated approach for the management and analysis of clinical and molecular data of the Italian National Registry for Facioscapulohumeral muscular dystrophy”**, 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.

**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**

The selection procedure is intended to establish the candidate's preparation and aptitude for carrying out research activities with respect to the given topic.

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 of the candidate's research and teaching activities written in Italian or English indicating university degree qualifications obtained and scientific experiences;
- 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) with respect to the give topic;
- 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.

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 25 points,
- Curriculum professional experiences: from 0 to 20 points,
- Publications: from 0 to 5 points,
- Other qualifications: from 0 to 10 points.

Candidates awarded at least 35/60 in the assessment of academic and research record will be considered eligible.

**Areas of the PhD Programme:** The Ph.D. Programme in Molecular and Regenerative Medicine focuses on research aimed at the identification and characterization of molecular mechanisms of diseases and the development of diagnostic and therapeutic approaches in the field of chemistry and regenerative medicine. The Programme teaches students how to develop an independent research project that addresses scientific questions to understand the molecular mechanisms underlying human diseases, as well as how to develop novel diagnostic tools and therapeutic approaches (stem cells, gene therapy, molecular modelling) for such industrial applications.

Further information is available from the PhD Programme website at:

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

## **8) PhD Programme in “NEUROSCIENCES” in cooperation with the University of Parma**

**Places with scholarship: 1 with topic “Design, fabrication and in vitro and in vivo validation of new organic electronic devices for the treatment of Parkinson's disease”,** 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.

**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**

The selection procedure is intended to establish the candidate's preparation and aptitude for carrying out research activities with respect to the given topic.

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

#### Evaluation of qualification (80 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) with respect to the given topic, up to a maximum of 15 points;
- 5) other qualifications (including specialties and experiences post-graduate), up to a maximum of 10 points;

6) documents from which it can be understood knowledge and competence in one or more of the methods necessary for the execution of the experimental project, up to a maximum of 20 points.

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

**Areas of the PhD Programme:** The course is activated by the University of Modena and Reggio Emilia in agreement with the University of Parma. The doctorate includes four 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) Biology of Behavior: ethological, psychobiological and behavioral study of development, social cognition, agonistic and sexual behaviors in animals and humans; 4) 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>

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

**Places with scholarship:**

- 1 with topic “**Big data analysis & high performance simulations for materials**”.

- 1 with topic “**Lubricant Materials and Coatings to Reduce Friction and Wear**”.

The two scholarships are 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.

**Admission requirements (for the two selections):** 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 two given topics. Candidates interested to more than one selection procedure must submit the application form and a fee of € 25.00 for each selection procedure.

The selection procedures are intended to establish the candidate’s preparation and aptitude for carrying out research activities with respect to the given topics.

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, with respect to the given topics.

**1) Selection procedure for one scholarship with topic “Big data analysis & high performance simulations for materials”: based on academic and research record**

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 with respect to the given topic, 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.

In the evaluation of curricula, the commission will take into account the relation of the motivation and experience of the candidate with theoretical-computational methods for the study of materials and/or big data analysis and/or high performance scientific computing

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.

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 30/60 will not be considered eligible for admission to the course.

## **2) Selection procedure for one scholarship with topic “Lubricant Materials and Coatings to Reduce Friction and Wear”:** based on academic and research record

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 with respect to the given topic, 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.

In the evaluation of curricula, the commission will take into account the relation of the motivation and experience of the candidate with theoretical-computational methods for the study of materials and/or big data analysis and/or high performance scientific computing

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.

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 30/60 will not be considered 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). Further information is available from the PhD-PNS website at: <http://www.nano-phdschool.unimore.it/site/home/topics/>

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

**Places with scholarship: 1 with topic “Traceability systems for animal and plant food supply chains based on blockchain technologies”**, 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.

**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**

The selection procedure is intended to establish the candidate’s preparation and aptitude for carrying out research activities with respect to the given topic.

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 the given topic.
- 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.

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 10 points,
- Publications: from 0 to 10 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.

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

Modena, 10/07/2018

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 (XXXIV 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 (XXXIV 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**

**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 D

### 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 E (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. 2018/2019, XXXIV 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. 11.02.1998
- d) to be aware of the rights and obligations of graduates, as specified in the notices of competitions for admission to PhD Programmes, XXXIV cycle – A.Y. 2018/2019, 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 E (Part 2) - Form "Accompanying declaration for scholarship holders"

### DECLARATION ACCOMPANYING APPLICATION FOR ENROLMENT ON A PhD PROGRAMME A.Y. 2018/2019, XXXIV

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, 2018 (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) \_\_\_\_\_