



CONSORTIUM

ALMA MATER STUDIORUM – UNIVERSITA' DI BOLOGNA
AND
UNIVERSITA' DI TORINO
AND
MYKOLAS ROMERIS UNIVERSITY
AND
UNIVERSITAT AUTÒNOMA DE BARCELONA
AND
THE UNIVERSITY OF LUXEMBOURG

ERASMUS MUNDUS JOINT DOCTORAL PROGRAMME IN
LAW, SCIENCE AND TECHNOLOGY

CALL FOR APPLICATION

Notice of admission procedure for the 1st call of the “Erasmus Mundus Joint Doctoral Programme in **Law, Science and Technology**”.

Last date for the presentation of applications is: 11 February 2012

THE LAST-JD CONSORTIUM

Taken into consideration the laws and regulations in force in each involved country of the LAST-JD Consortium for delivering a doctoral degree

and

Taken into account the assented Erasmus Mundus Joint Cooperation Agreement among each consortium partner

STATES THE FOLLOWING

Article 1 (Implementation)

1. A public selection is called for the admission to the three-year Doctoral Programme in Law, Science and Technology – 1st call – as per Appendix A, with administrative seat – concerning this public selection – at the University of Bologna as LAST-JD Consortium coordinating institution.
2. The public selection shall proceed according to the instructions as indicated in the following art. 4 on the basis of qualifications and an interview.



3. According to the present notice, by qualifications we hereby imply: the information contained in the application and in the *curriculum vitae*, recommendation letter(s), the research project proposal, other qualifications mentioned under art. 3, paragraph 4. The interview could be carried out either as oral interview or by means of videoconference, in accordance with the modalities and scheduling which will be indicated to the preselected candidates in the Consortium website at <http://www.last-jd.eu/>

4. According to the definition stated in the European Commission Erasmus Mundus Programme Guide 2009-2013, we hereby consider the following two categories:

- a) **Category A** fellowships can be awarded to doctoral candidates selected by EMJD consortium, who come from a country other than “a Member State of the European Union, an EEA-EFTA State (i.e. Iceland, Norway and Lichtenstein), and who are not residents nor have carried out their main activity (studies, work, etc.) for more than a total of 12 months over the last five years in one of these countries. The only exception to this rule applies to Third-Country doctoral candidates who have previously received an Erasmus Mundus masters scholarship in order to follow an EMMC;
- b) **Category B** fellowships can be awarded to any doctoral candidate selected by EMJD consortium and who do not fulfil the Category A criteria defined above. Category B fellowship holders must perform their training/research periods in at least three different countries represented in the consortium; two of those countries must be different from the country in which the doctoral candidate has obtained his/her last university degree.

5. The Erasmus Mundus Joint Doctoral Programme in Law, Science and Technology offers doctoral candidates a education programme in the field of research related to law, computer science, ICT, electronic and telecommunication engineering, bioethics, medicine, mathematics, physics, neuroscience, philosophy. The Programme lasts 3 (three) years (an extension is foreseen in order to uphold the thesis defence within the first six months of the fourth year). During the 3-year period, a mobility scheme ensures that candidates will spend training/research periods in **at least three** different consortium institutions, as follows:

- a) three compulsory periods will have to be spent by each candidate in at least three different partner countries;
- b) the candidate will have to spend at least one year and a half in the primary institution (University of Bologna, University of Turin, Universidad Autonoma de Barcelona, Mikolas Romeris University), which represents the reference university for both administrative and educational aspects (mandatory);
- c) the candidate will have to spend six month in the secondary institution (CELLS, TILT, (mandatory) or in the University of Luxembourg.
- d) the residuary period (one year), if any, might be divided among other partners.

6. The total number of places, available through the competition is equal to double the total number of EACEA study grants available; the number of places available through the competition will in no case be fewer than 2 (two), of which all will have a study grant.

7. The number of grants may be increased on the basis of special agreements with public or private bodies. Such additional grants might be assigned either to applicants not succeeding for EACEA grants or to candidates applying for these specific places within the expiry date of this notice or of other successively published calls for application.

8. The increase in the number of grants can determine an increase in the number of possible doctoral candidates, although the maximum number of places cannot exceed twice the number of grants of differing kinds which have been activated for the Programme.



9. For each single research area, information concerning the relevant research topics and the respective available places are published in Appendix A of the present notice of public selection. Any updates/amendments as well as any other more detailed information about the research topics shall be published on the LAST-JD Consortium website at <http://www.last-jd.eu/>

Article 2 (Admission Requirements)

1. The admission is open to candidates who hold a 2nd Level Master Degree (120 ECTS after 180 ECTS of bachelor) or a Single-Cycle-Degree (minimal 300 ECTS) or 2nd Level Master Degree of 60 master ECTS after 240 ECTS.
2. In the case of a degree obtained in a country other than Consortium institutions' countries and judged suitable, should the qualifications not have been already deemed equivalent, the candidate shall require that this recognition be granted for the public selection purposes only. In such cases candidates shall also enclose the following documents:
 - a. the academic qualifications certified or notarized translated in English, as LAST-JD Joint Doctorate Programme official language;
 - b. all the documentation available concerning his career translated in English.

Article 3 (Application for Admission)

1. In order to participate in the admission procedure, the candidates should apply for the assessment in accordance with the procedure, described in the following paragraphs.
2. The candidate must register on LAST-JD Consortium website at <http://www.last-jd.eu/>, providing the requested data; no more than 3 (three) applications to different Erasmus Mundus Joint Doctoral courses are allowed (at risk of exclusion).
3. The candidate must fill the application form online at LAST-JD Consortium website, including uploading of required documents, as specified in the following paragraph 5 and 6 and according to the instructions available at <http://www.last-jd.eu/>; after the successful completion of the application procedure, applicants will receive a confirmation e-mail. In case the applicant will not receive any communication concerning the receipt of the application within 7 days he/she is asked to contact LAST-JD coordinating team at last-jd@unibo.it.
4. The candidate must reconfirm the submission of the application by validating the received confirmation e-mail.
5. Applications shall report, under the candidates' responsibility and at the risk of exclusion from the public selection, the following information:
 - a) the applicant's full name, date and place of birth, place of residence, address for correspondence, contact telephone number, e-mail address and skype id;
 - b) the applicant's citizenship;
 - c) the preferred area of the doctoral course the candidate is applying for, as defined in Appendix A. The candidate shall indicate in his/her application for admission a ranked list of all the LAST-JD research areas, ordering them from 1 (the most preferred area) to 3 (the least preferred topics);
 - d) the type of degree held, date, grade and name of the awarding university or of the equivalent qualifications granted by a foreign university together with, in the case of degree obtained in a



country other than LAST-JD Consortium institutions' countries, the documentation in which its acceptance is granted for the sole purpose of this public selection. In case of candidates not holding a 2nd Cycle academic level, a description of the followed course shall be provided.

e) a statement whereby the candidate undertakes to communicate each/any change of contact information as soon as possible

6. Applications shall also include:

- a) the candidates' *curriculum vitae et studiorum* duly dated and signed in European format only. The *curriculum* may include all the information relevant to the themes of the doctoral track the candidate has applied for. This information may concern: the title of his/her dissertation and a synthetic description of it, as well as a list of examinations given, the grades and, if possible, a brief description of the relative syllabuses, previous research and/or work experience, any other relevant qualifications (school qualifications included), certifications, publications, patents, etc.;
- b) the certified or notarized academic degree and transcripts (mark sheets) of all university studies, i.e. Bachelor, Master or equivalent, with translation in English (mandatory) with correspondent Grade Point Average (GPA) (if available);
- c) a draft of the research project related to the selected preferred LAST-JD research area (3000 words). The research project proposal will be considered solely for evaluation purpose, in order to evaluate the candidate's capacity to organise and carry out the research. Should he/she be admitted to the doctoral course, he/she will carry out his/her research not necessarily on the specific activities described in his/her project.
- d) a signed explanation of your own motivation stating why you would like to attend the programme and how this programme will help you in your work and career (no more than 500 words).
- e) one or two recommendation letter(s) of the candidate signed by a university lecturer or an expert in the area;
- f) if candidate is non-native English speaker, a recognized international English test Certificate (e.g. IELTS min: 6.5; TOEFL min: 220 CBT, 550 PBT, 80 iBT; TOEIC min: 780, Cambridge min. C.A.E, Trinity min. GESE and ISE Intermediate, GRE min. Verbal Reasoning. 480, Quantitative Reasoning 600, Analytical Writing 4.0) obtained in the last three years before expected starting date of the LAST-JD course. For those who studied in countries where the English is the official language, an official letter stating that your university studies were undertaken in English;
- g) any other qualifications relative to the areas of the research dealt with in the course (each of them no more than 5 pages long);
- h) a copy of the current passport and 1 passport-sized photograph.

7. The application and the documents as per the previous paragraphs 5 and 6 are required to be in English.

8. Candidates who make false statements shall automatically be excluded from enrolment and any grants awarded shall be retroactively withdrawn. Further administrative and/or penal sanctions foreseen by the laws and legislation in force may also be applied.

9. The LAST-JD secretariat staff cannot be held responsible for any mistakes in electronic communication systems faults.

10. The LAST-JD Consortium reserves the right to enforce, even after the public selection is over, sanctions which exclude candidates who have failed to comply with or meet up to requirements herein established.



11. Applications for the selection procedure shall be drawn up and delivered according to the procedure described in the art. 3 within the relevant expiry date of this public notice.

Article 4 (Selection Criteria)

1. Selective assessment for admission to the LAST-JD doctoral programme is mainly concerned with establishing candidate aptitude for scientific research and it is carried out by the LAST-JD Selection Commission based on qualifications and an interview.

2. The following criteria, on a maximum total score of 200, will be applied for the assessment of applications:

A- Title evaluation: max 100, threshold: 75:

- a) academic potential (class rank, GPA, etc...): max. 30,
- b) relevance of Master-level degree to the research themes of the Last-jd doctoral programme: max. 10;
- c) quality of home institutions having awarded the Bachelor-level degree and/or Master-level degree (according to the ranking list published on the web site <http://www.webometrics.info>): max. 5;
- d) other aspects of *curriculum vitae* (multiple degree, work experience, professional qualification, autonomy in the research, etc.): max. 5;
- e) English level: acceptable/non-acceptable;
- f) motivation letter: max. 10;
- g) research project: max 30;
- h) letters of recommendation: max. 10;

B- Interview hold by the selection Committee: max. 100, threshold: 75.

Geographical and gender balance of admitted students. No more than two students from a single country may receive an EMJD scholarship, with attention to preserve gender balance and equal opportunities issues.

3. The selection process will be divided into two phases:

- a) the evaluation of qualifications, in accordance with the rules indicated in paragraph 2, letter A) for a maximum score of 100: candidates who will receive less than 75 will not be admitted to the second phase;
- b) the interview for a maximum score of 100: candidates who will receive less than 75 will not be admitted to the course.

4. Drawn up according to the first phase results, the list of selected candidates for the interview shall be posted in the areas indicated in art. 5, paragraph 4. The interview, conducted also with the telecommunication tools, will include the illustration of the research activities the candidate is interested in, also on the basis of previous activities stated in his/her *curriculum vitae et studiorum*. Five admission committee members of LAST-JD will held the interview evaluating also the pertinence of candidates skills with respect to specific research topics. During the interview the candidate shall also prove his/her proficiency in English language.

5. At the end of the two phases, the candidates who will obtain a total score of 150 over 200 will be considered eligible for the grant and they will be inserted in the final lists, according to the rank defined by the final total score.



6. If during the selection the same score will be reached by a male or a female the preference will be given to the one whose category is in minority in the composition of the final admission list. In case of equal score reached by two candidates of the same category the preference will be given to the one whose personal experience is more relevant in terms of previous mobility periods and/or candidate's array of achievements, subject to approval by Education, Audiovisual and Culture Executive Agency (EACEA, <http://eacea.ec.europa.eu>).

7. In order to sustain the interview, candidates will be asked to exhibit the same identity document attached to the application or other valid identification document in which they result clearly identifiable. The tool exploited for the interview (e.g. Skype) is selected by the examining commission and the candidate is asked to arrange the availability of the tool at his/her premises.

8. Applicants for EACEA grants will maintain the same score already obtained in case of participation to a call for additional places concerning the same cohort.

Article 5

(Admission Committee and their Functions)

1. The LAST-JD Consortium appoints each year a Admission Committee which will carry out the selective assessment of the candidates. The Admission Committee is made up by five members coming from each partner institution and selected by the Doctorate Board.

2. Each Admission Committee member will carry out separately the evaluation, applying the same assessment criteria as established in art. 4, paragraph 2, in order to evaluate the applications and documentation submitted by the candidates.

3. Once the first selection phase has been completed, the commission shall draw up the general list of admitted candidates based on final selection marks achieved by each candidate, computed as the average of the marks assigned by all members. The lists concerning evaluation of qualifications will appear solely on the notice-board of the relevant research departments/structures of the involved LAST-JD universities and on internet, in the LAST-JD Consortium web site (<http://www.last-jd.eu/>).

4. The best candidates will be informed via e-mail of the date and time, the assigned potential doctoral research track and the modalities of the interview. The whole set of final lists, as well, will appear solely on the notice-board of the relevant research departments/structures of the involved LAST-JD universities and on internet, in the LAST-JD Consortium web site (<http://www.last-jd.eu/>).

5. An e-mail will be sent to candidates informing about their successful or not selection.



Article 6 (Admission to the Courses)

1. Candidates are eligible to be admitted to the courses according to the order in which they appear on the final lists, which will be published on the end of February, until all available places, divided per research area and Category as per Appendix A, have been assigned. The remaining candidates who are not adequately positioned on the final lists will be inserted, according the same criteria, in the reserve lists, which will be published on the end of February, having the possibility to access the courses in case of renunciation by admitted candidates.
2. Candidates successfully positioned in the final lists for a EMJD granted place will be admitted to the courses only upon the approval of the final lists by the Education, Audiovisual and Culture Executive Agency (EACEA, <http://eacea.ec.europa.eu>), according to the Erasmus Mundus Programme provisions.
3. The total number of candidates admitted to the courses shall in no case exceed the total number of places available (indicatively 5 for category A and 3 for category B, plus equal number of places without grant).

Article 7 (Grants)

1. Grants are assigned according to the order of the final list and will cover only the regular doctoral course duration of 3 (three) years, starting from the official enrolment date as indicated in the Doctoral Candidate Agreement, being expressly excluded from the grant coverage:
 - a) any period preceding the official enrolment date, even if it includes the actual start of the course;
 - b) any course extension;
 - c) the period of the fourth year required to sustain the defence of the thesis.
2. EACEA grants cannot be assigned to more than 2 (two) candidates having the same citizenship. The eligible candidates who are not selected for the EACEA grant due to this constraint, may decide either to accept a non-granted place or to participate to selection process for additional grants.
3. One Category A grant is reserved to candidates holding the citizenship of Turkey or Western Balkan countries (i.e. Albania, Bosnia-Herzegovina, Croatia, Kosovo under UNSC Resolution 1244/99, the Former Yugoslav Republic of Macedonia, Montenegro and Serbia).
4. Candidates with equal grades will be granted funds on the basis of the same criteria of preference stated for the admission to the programme, as defined in the art. 4.
5. The simultaneous use of other study grants or employment contract is not allowed, along doctoral course duration.
6. The annual gross amount including social security expenses, welfare and other contributions to be paid by the recipient of each grant is stated in Doctoral Candidate Agreement.



Article 8

(Enrolment Application Schedule and Contents)

1. Candidates who have been admitted to the doctoral courses shall send by e-mail to the competent university administrations (CIRSFID, University of Bologna) their enrolment applications, according to the deadlines and the e-mail addresses that will be published in the LAST-JD Website after the selection procedure.
2. The winners, besides stating his/her personal data and indicating the courses, shall also state in their applications that he/she has not enrolled in any other doctoral course or other study course which assigns an academic qualification, even though from other university than the consortium partners.
3. The grant holders shall also declare that:
 - a) they have never before been awarded grants for doctoral studies;
 - b) they will not add this grant to any other grant or employment contract.
4. Enrolment applications should also include a scanned copy of:
 - a) an identity document or other valid identification document (front and back);
 - b) a passport photograph;

Article 9

(Access and Attendance Fees)

1. Doctoral candidates who do not benefit from a grant shall pay access and attendance fees to the University of Bologna in one instalment that shall be paid on enrolment.
2. If payments are not carried out according to the terms and conditions, the doctoral candidate shall be excluded from the program.

Article 10

(Grant and Participation Costs)

1. The total number of granted places are:
 - 5 (five) for **Category A** candidates (of which 1 (one) holding the citizenship of Turkey or Western Balkan countries);
 - 3 (three) for **Category B** candidates.
2. According to the funding available s admitted applicants will be enrolled as LAST-JD doctoral candidates and will receive a grant from the Education, Audiovisual and Culture Executive Agency (EACEA) as an employment contract.
3. A Doctoral Candidate Agreement will be signed with EMJD granted candidates in which monthly payments are specified (12 instalments of € 2,800 as gross salary each as employment contract and of € 300 as fixed participation costs) together with the lump sum (€ 7,500 for Category A candidates,) for travelling expenses.
4. As a general rule, the monthly fixed contribution of € 300 for participation costs will be retained by the University of Bologna in order to cover tuition fees. Tuition fees have been fixed as €11,800 for Category A candidates and € 10,000 for Category B candidates per year. A fee waiver will be applied to EMJD granted candidates for a total fee amount of € 7,200 per year.



5. Tuition fees will be used to provide services to candidates as periods of stage in partner industries, participation to summer school, linguistic services, pc, trips, logistic and didactic support, etc.

6. PHD Students without grants will have to pay the participation costs (600 euro per semester) and will benefit from the same services of granted ones (e.g. periods of stage in partner industries, participation to summer school, laptop, trips, logistic and didactic support).

Article 11 (Withdrawals and Prohibitions)

1. Failure to obtain admission to the following year or exclusion due to serious default or unsuitable research activity results, in relation to the procedures established by the LAST-JD Doctorate Board, shall cause the withdrawal of the grant and the obligation for the candidate to return the instalments already received for that year.

2. Doctoral candidates who forfeit their grant during the year, but who continue their studies, shall return any grant instalments already received for that year.

3. Doctoral candidates with grants who drop out of the course during the year have the right to keep the portion of the grant which corresponds to the period of activity if and only if the LAST-JD Doctorate Board states that the candidates' activities up to that moment were regular and fruitful.

4. Candidates who are found to have made false statements shall be excluded from the course. Criminal punitive measures for the issuing of false documentation and untruthful statements may also be applied.

Article 12 (Organisation of the Course)

1 The course will start on 1 October 2012, and lasts 3 (three) years (an extension is foreseen in order to uphold the thesis defence within the first six months of the fourth year without grant)

2. Doctoral candidates must perform their curricular activities, full-time, in accordance with the procedures established by the LAST-JD according to the validate doctoral agreement.

3. With the approval of the LAST-JD Doctorate Boards, doctoral candidates may take part in research activities carried out by the consortium universities, provided they are in line with their formative academic studies.

4. Regardless of the theme of doctoral track chosen by the candidate, during the course the doctoral candidate shall carry out the research assigned to him/her by the LAST-JD Doctorate Boards.

5. Prior to the LAST-JD Doctorate Boards' approval, doctoral candidates may undertake support teaching as regulated by each host university statute.

6. Doctoral candidates may take leave of absence from the course in the following cases which shall be fully and duly certified: maternity, illness, civil or military service, postgraduate degree attendance or other singular cases subject to the preventive LAST-JD Doctorate Boards' approval. Absences may be made up at the end of the course. Should this prove unfeasible, candidates shall



sit the final doctorate examinations in the following doctoral cycle. Should the course interruption last more than 30 days, grants shall be immediately withdrawn.

7. Each year doctoral candidates shall present a detailed written account of the activities carried out and present it to the LAST-JD Doctorate Board and if required, discuss it according to the procedures established by the LAST-JD consortium. Then the Doctorate Board shall draw up a resolution and proceed to admitting the candidates to the following year. Should a candidate's performance be insufficient, the Doctorate Board shall issue an order to exclude the candidate from continuing the course.

8. Before the beginning of each course, the doctoral candidates who have been successfully admitted as per the above paragraph shall apply for enrolment for the following year. Candidates shall also, if required, enclose a copy of payment receipts as per art. 10, paragraph 1.

Article 13 (Degree Awards)

1. The joint doctoral degree is obtained by completing the course and sustaining successfully the defence of the thesis:

- a) the thesis shall be written in English and shall be accompanied by an abstract in the languages of the two supervising institutions;
- b) the thesis shall be discussed in English during the final examination, according to modalities described in the Doctoral Candidate Agreement.

2. Following the discussion of the thesis and positive evaluation expressed by the Defence Committee the pertinent universities of LAST-JD Consortium will award the Ph.D. in "Law, Science and Technology", in conformity with the respective national regulations in force.

Article 14 (Personal Data Protection)

1. Personal data supplied by candidates will be collected by the University of Bologna, Department for Student Management and Education and International Activities, as coordinating institution of the LAST-JD Consortium, and handled for selection and career procedures, as per the Italian Legislative Decree (D.L.vo) No. 196 of 30.06.2003.

Article 15 (Availability and Information)

1. This public notice of admission procedure together with the application form is available in the LAST-JD Consortium website at <http://www.last-jd.eu/>.

Bologna, 11/11/2011

THE LAST-JD CONSORTIUM
COORDINATOR
Alma Mater Studiorum - Università degli
Studi di Bologna



APPENDIX A

List of the Research Topics

Bioethics

1. Human Rights and Ethical Principles in new and emerging technologies.
2. Doctor-patient relationships: confidentiality, informed consent, research and experimentation
3. Public Health Ethics and policymaking
4. Global Health Justice
5. Human Assisted Reproductive Technologies
6. End-of-life Decision Making: legal and ethical issues
7. Ethics and law in Genetics: genetic testing, screening, gene therapy and personalized medicine
8. Biotechnology and patent law: stem cells and gene patents
9. Biobanks, DNA and research
10. E-health and Privacy by Design
11. Private-public interactions in health care provision
12. Ethical, Legal and Social Issues in genetic counselling

Legal Informatics and AI&LAW

13. Semantic Web and Legal ontologies modelling
14. Information Retrieval and Database techniques in the Legal Domain
15. Legal document modelling and representation including Open Data, XML, and standardization
16. Computer Forensics
17. Information Systems for eJustice, eGovernment, and eLegislation
18. Computational models of legal and ethical reasoning including educational applications
19. Intelligent Information extraction and NLP of legal resources
20. e-Discovery and data mining in Legal domain
21. Formal Models of Norms and Legal Reasoning
22. Logic-based models of norms and legal knowledge (e.g. for case law)
23. Legal reasoning, including argumentation and reasoning about evidence
24. Argumentation and Argumentation systems
25. Game theory as applied to the law
26. Normative Multi-Agent Systems and e-Institutions
27. Regulatory Compliance
28. Robot and Intelligent System ethics

ICT&LAW

29. Privacy and Security with New Technology (including Biobanks, Genetic data, eHealth, identity management)
30. Cybercrime and Computer Forensics
31. Cybersecurity and cyberwarfare
32. e-Business and Consumer Law
33. e-Governance and e-Democracy social modelling
34. IPR and New Technology (Digital Right Management, nanotechnologies, open data and open source licences, creative commons, multimedia)
35. Alternative Dispute Resolution and On-line Dispute Resolution
36. Cloud computing modelling and regulation
37. A Comparative Perspective on ICT Law
38. Constitutional crowd sourcing
39. Management of Geopolitical Social Crises
40. Regulation of Robotics and Related Ethical Issues
41. Contracts and ICT
42. Protection of children online
43. Technology regulation: fundamental issues