



Université Claude Bernard Lyon 1 (UCBL)

Europass Diploma Supplement

 Academic Years: **yyyy-yyyy**


**ERASMUS+ MUNDUS JOINT MASTER DEGREE
LEADING INTERNATIONAL VACCINOLOGY EDUCATION**



1. HOLDER OF THE QUALIFICATION

FAMILY NAME	GIVEN NAME
XXXX	XXXX
Date (dd/mm/yyyy), place, country of birth	UCBL Student ID number
XX, XX, XX	XXXX

2. QUALIFICATION

Name of qualification (full, abbreviated; in original language)	Title conferred (full, abbreviated; in original language)
Erasmus+ Mundus Joint Master Degree "Leading International Vaccinology Education" (EMJMD LIVE)	Master Sciences, Technologies, Santé, Mention BIOLOGIE MOLECULAIRE ET CELLULAIRE, Parcours « Leading International Vaccinology Education » (MSc BMC LIVE)
Main field(s) of study	
Immunology, Immunopathology, Infectiology, Vaccinology, Humanities in vaccines	
Institution awarding the qualification (in original language)	Status (Type / Control)
Universitat Autònoma de Barcelona – Barcelona – Spain Universitat de Barcelona – Barcelona – Spain Universiteit Antwerpen – Antwerpen – Belgium Université Jean Monnet – Saint-Etienne – France Université Claude Bernard Lyon 1 – Lyon – France	Public body (PB) / Academic Higher Education Institutions (HEI) PB / HEI PB / HEI PB / HEI PB / HEI
Institution administering studies (in original language)	Status (Type / Control)
Universitat Autònoma de Barcelona – Barcelona – Spain Universitat de Barcelona – Barcelona – Spain Universiteit Antwerpen – Antwerpen – Belgium Université Jean Monnet – Saint-Etienne – France Université Claude Bernard Lyon 1 – Lyon – France	Public body (PB) / Academic Higher Education Institutions (HEI) PB / HEI PB / HEI PB / HEI PB / HEI
Language(s) of instruction / examination	
English	

3. LEVEL OF THE QUALIFICATION

Master Degree	120 ECTS (European Credit Transfer system) 4 semesters
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Access requirement(s)

Admission decision is based on the evaluation of the complete application file:

1. Excellence of the candidate: outstanding achievement of the applicant's BSc degree level (i.e. 180 ECTS) in the European LMD system, or equivalent, in biology providing that the applicant can give evidence of the necessary previous knowledge (i.e. a base of minimal competencies) particularly in the fields of cell biology, biochemistry, molecular biology, microbiology, virology, immunology, physiology.
Applicants from countries where the ECTS system is not applicable have to be graduated with a graduate diploma equivalent to a graduate level of 180 ECTS in the European LMD system.
Applicants must have obtained at least a C average on ECTS grading scale, or equivalent, during their undergraduate studies. The LIVE consortium reserves the right to moderate this criterion based on the prestige of the diploma or the University of Origin.
2. Language ability: teaching and examinations being held in English, candidates should demonstrate sound knowledge of the language (requirements for competence in English is equivalent to TOEFL with a minimum of Writing: 22; Speaking: 23; Reading: 21; Listening: 18; Paper-based exam: 550 or above or IELTS at grade 6.5).
Knowledge of French & Spanish is not compulsory, but would be helpful.
3. Student motivation to undertake the Master and relevance to his/her professional development (explaining the application, their current situation, their interest in the degree, their perspectives after this degree ...).

Beyond these three main criteria and in case of equivalence in qualification and in quality of candidates, the consortium will pay particular attention to the principle of gender equality, cooperating with national and European organizations in charge of helping and guiding higher education institutions regarding gender equality in the student, academic and research communities.

Intake 20XX: XX international students from XXX applicants of XX nationalities. Selection rate 20XX: X%.

4. CONTENTS AND RESULTS GAINED

Mode of study

Full time

Programme requirements / Qualification profile of the graduate

The students will study at higher level a **first specialisation** in immunology and immunopathology in Barcelona, then a **second specialisation** in infectiology including microbiology, virology and host-pathogen interactions in Antwerp and a **third specialisation** in vaccinology in Lyon/ Saint-Etienne, to reach the level for doing a master thesis.

The JMD-LIVE graduate vaccinologists have understood and can explain immunological and immunopathological mechanisms, infectious pathogens and infectious diseases which can be or should be prevented by vaccines. They know the step-by-step research and engineering processes that conduct to vaccine development. They know the ecosystem of vaccine industry, research & clinical academics, and vaccine-related organizations and they have contacts in this ecosystem. Vaccinologists can imagine new forms of vaccines by manipulating the immune system to redirect its action against future targets such as cancer cells. They have experienced the necessity to better communicate on the strengths and values of the vaccine in order to successfully contribute to the public health policies and vaccination campaigns. They have learnt and improved two other languages than their native language and are positive on the value of mobility in good conditions.

In addition to these specific core of skills in science & humanities related to vaccines, some other learning outcomes are expected from the JMD-LIVE students: ICT skills, efficiency for teamwork, written and oral communication, time management, numeracy: produce and search for quantitative information, analyse, think about and use it, vaccine customer awareness. They shall think creatively about problems, lead him/herself and others in new practices with initiative & enterprise. They can take responsibility for his/her own ideas and cope with uncertainty, initiate change and thrive on challenge.

They are ready to happily act in professional environment of academic and non-academic sectors related to vaccinology. The JMD-LIVE programme is an outstanding level academic programme in Vaccinology with a special emphasis on employability of the graduated international students, in agreement with our numerous international associated partners from the whole world of chain in Vaccinology: higher education institutions, foundations and other organisations around Vaccinology, research centres, small and medium size companies, big pharma companies and clinical centres in developed and developing countries. This diploma is designed for students who have done their undergraduate studies of at least 180 ECTS in the fields of medical or veterinary or life sciences. Students in the field of health (doctors, pharmacists, veterinarians) have access to full e-learning modules when they run mandatory health internships due to the constraints of their dual medical and scientific training. In agreement with the Bachelor, Master, Doctorate (BMD) diploma system in place in Europe, JMD-LIVE is composed of 4 semesters of 30 ECTS (European Credits Transfer System) each, for a total assessment of 120 ECTS.

Grading & Credits - FAMILY NAME GIVEN NAME							
Module title (score range: 0-20)	ECTS	S1 score Spain	S2 score Belgium	S3 score France	S4 score Internship	S1-S4 Score	S1-S4 Rank (A-E)
Dynamics of innate and adaptive immunity	3	nd				nd	nd
Functional anatomy of the immune system	3	nd				nd	nd
Antigen recognition	3	nd				nd	nd
Receptor signaling	3	nd				nd	nd
Mechanisms of immunopathology	3	nd				nd	nd
Autoimmunity	3	nd				nd	nd
Immunodeficiencies	3	nd				nd	nd
Immune responses to pathogens	6	nd				nd	nd
Languages 1: xxx (or other choice)	3	nd				nd	nd
Immune system in early life, pregnant women and elderly	3		nd			nd	nd
Description & variability of pathogens	6		nd			nd	nd
Host-pathogen interactions	3		nd			nd	nd
Clinical drug research	3		nd			nd	nd
Novel technologies, vaccine administration routes & adjuvants	3		nd			nd	nd
Vaccine manufacturing & quality control, regulatory approval processes	3		nd			nd	nd
Summer school on vaccinology	3		nd			nd	nd
e-learning animal science or Advanced data analysis	3		nd			nd	nd
Languages 2: xxx (choice)	3		nd			nd	nd
Immunology & cancer	3			nd		nd	nd
Epidemiology	3			nd		nd	nd
Vaccine formulation	3			nd		nd	nd
Clinical vaccine development	3			nd		nd	nd
Immunomonitoring of preclinical and clinical vaccine trials	3			nd		nd	nd
Vaccine specific applications	3			nd		nd	nd
Communicating on vaccines & public health	6			nd		nd	nd
Project management	3			nd		nd	nd
Languages 3: xxx (choice)	3			nd		nd	nd
Master thesis	27				nd	nd	nd
Languages 4: xxx (choice)	3				nd	nd	nd
TOTAL (ECTS) – means (out of 20)	120	nd	nd	nd	nd	nd	nd
Rank (A-E)		nd	nd	nd	nd	nd	nd

ECTS, European Credit Transfer System; In addition to the scores ranging 0-20, a letter from A to E is provided, according to the rank of the Student among the Students who acquired the module: "A" for the 10% Students ranked first, "B" for the next 25%, "C" for the next 30%, "D" for the next 25% and "E" for 10% Students ranked last. "nd", not done. "f", failed and will retake.

Signature of the CHAIRMAN OF THE EXAMINATION COMMITTEE:

1ST LAST NAME

Grading scheme & overall classification		
Mention	Belgian, French scores range 0-20	Spanish scores range 0-10
Acquired	X ≥ 10	X ≥ 5
Failed	X < 10	X < 5

5. FUNCTION OF THE QUALIFICATION

Access to further study	Professional status
DOCTORATE STUDIES 6 SEMESTERS	GRADUATES IN MASTER ERASMUS+ MUNDUS LIVE HAVE ACCESS TO VARIOUS TYPES OF JOBS IN EITHER PUBLIC OR PRIVATE SECTORS

6. ADDITIONAL INFORMATION

LIVE website	LIVE secretariat
http://live.univ-lyon1.fr	Claire DOUET Direction des Relations Internationales Université Claude Bernard Lyon 1 Domaine Rockefeller Bât. Principal 1er étage 69373 LYON Cedex 08, FRANCE Phone : +33 4 78 77 75 87 e-mail: claire.douet@univ-lyon1.fr

7. CERTIFICATION

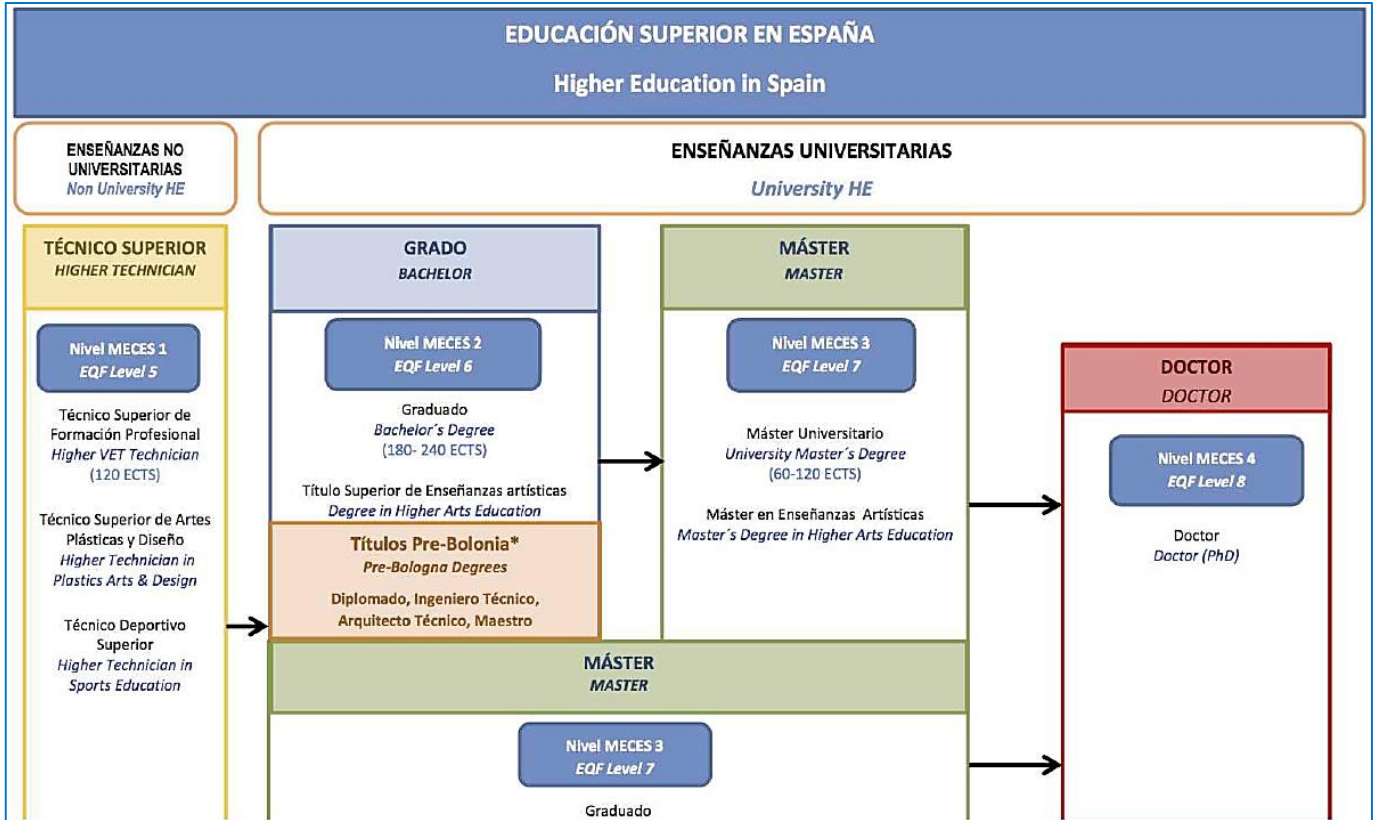
This Diploma Supplement refers to the following original documents

TRANSCRIPT OF RECORDS ISSUED ON (DD/MM/YYYY):	<input type="checkbox"/> DD / MM / yyyy (S1-S2 Jury) <input checked="" type="checkbox"/> (S3 Jury) <input checked="" type="checkbox"/> (S4 Jury)
PROFESSIONAL INTERNSHIP END DATE ON (DD/MM/YYYY)	<input checked="" type="checkbox"/> (Internship agreement)
CERTIFICATE OF SUCCESSFUL COMPLETION AND DIPLOMA AWARDED ON (DD/MM/YYYY):	<input checked="" type="checkbox"/> (Diploma Jury)

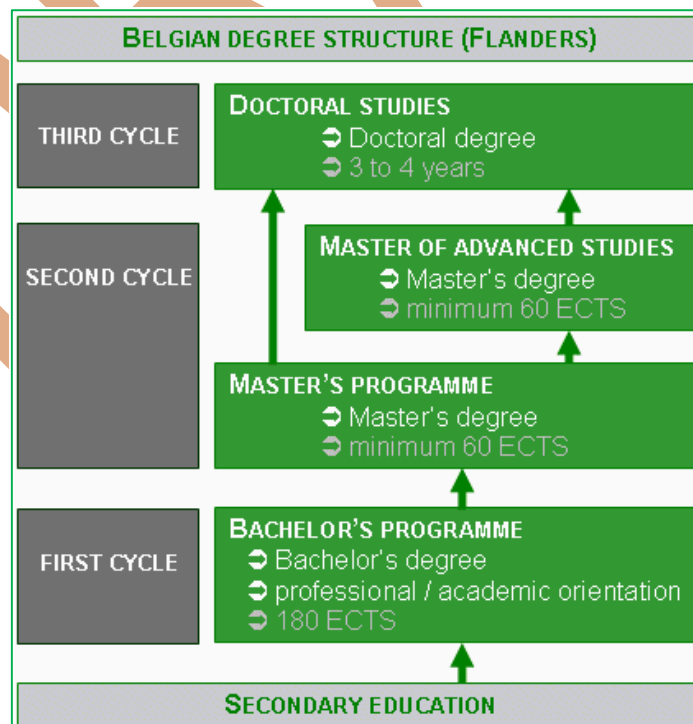
CERTIFICATION DATE (DD / MM / YYYY):	<input checked="" type="checkbox"/>
OFFICIAL STAMP	CHAIRMAN OF THE EXAMINATION COMMITTEE 1ST LAST NAME
	DIRECTOR OF THE UCBL BIOLOGY DEPARTMENT 1ST LAST NAME

8. NATIONAL HIGHER EDUCATION SYSTEM IN:

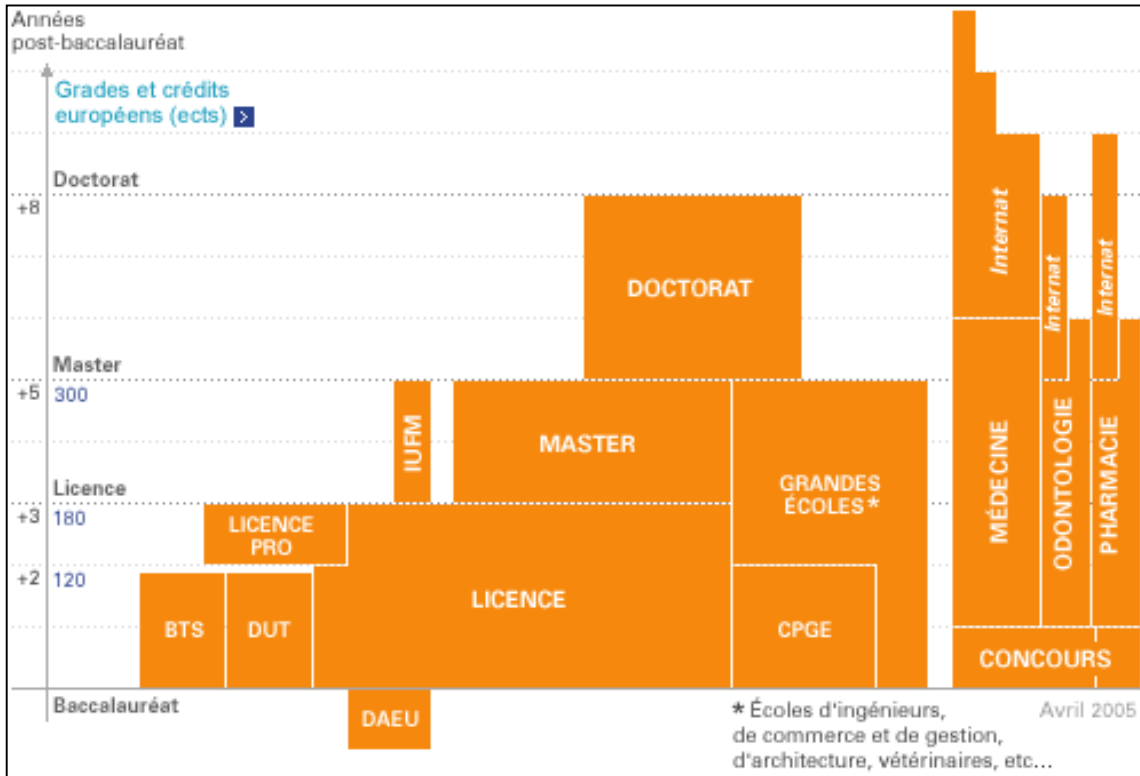
SPAIN



BELGIUM



FRANCE



DRAFT