

## Applicants & Scholarships

### ❖ A Programme of Excellence in Learning and Research, Looking for Biochemists, Bioengineers, Biologists, Clinicians, Pharmacists and Veterinarians

LIVE is a two year Master of Science and multidisciplinary programme, open to well motivated students who are top-level Bachelor or equivalent degree (180 ECTS). Students are required having a **fluent level of English**, certified by a TOEFL score.

Within the LIVE Programme, three types of **Scholarships** will be available :

- ✓ **Erasmus+** Scholarships for **NON-European** applicants
- ✓ **Erasmus+** Scholarships for **European** applicants
- ✓ **Industrial** Scholarships will be assigned by LIVE Consortium to **EU or NON-EU applicants** whose background and interest match closely with the priorities of the Partner Industries.

Application must be submitted through the website from October 1<sup>st</sup> to January 15<sup>th</sup>.

## Partner Universities

### ❖ 5 Organizing European Universities

- ✓ Université Claude Bernard Lyon 1, **France**
  - ✓ Universitat Autònoma de Barcelona, **Spain**
  - ✓ Universitat de Barcelona, **Spain**
  - ✓ University of Antwerp, **Belgium**
  - ✓ Université Jean Monnet Saint-Etienne, **France**
- have joined forces with

### ❖ 7 Associate Higher Education Institutions

- ✓ Ecole Normale Supérieure de Lyon, **France**
- ✓ University of Florence, **Italy**
- ✓ Université Libre de Bruxelles, **Belgium**
- ✓ University of Arkansas Medical School, **USA**
- ✓ University of British Columbia, **Canada**
- ✓ Fudan University Shanghai Medical College, **China**
- ✓ University of São Paulo, **Brazil**

### ❖ LIVE Offers Students the Opportunity to

- ✓ **compose a study programme in vaccinology** by combining elements from the complementary programmes that are already established at the participating universities
- ✓ be awarded with **triple degree Master diploma**.

## Diplomas & Job Opportunities

### ❖ Triple Degree awarded from Leading Universities

- ✓ **Master in Advanced Immunology** from Barcelona universities.
- ✓ **Master in Infectious & Tropical Diseases** from Antwerp univ.
- ✓ **Master in Genetics & Cell Biology – Fundamental Infectiology** from Lyon-Saint-Etienne universities.
- ✓ Original Erasmus+ **“LIVE Master” Supplement Diploma**

### ❖ Job Opportunities: International Manager in Vaccinology

for quality control, commercial and business development, communication, public health, R & D, PhD training funded by Partners.



## Contact information

### CONSORTIUM COORDINATOR

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**Dead line for student application: 2016, 31<sup>st</sup> January**

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Leading International Vaccinology Education

**The best laboratories**  
**The world leader companies**  
**The world health experts in vaccines**  
**Joined together to LIVE**  
**The Joint Master Degree programme in**

# International Vaccinology

website: <http://live.univ-lyon1.fr/>



## LIVE Master Presentation and Partnership

## Student Looking for Mobility and Courses in **ENGLISH** ? Join us!

## Future Associate Partner? Join us!

❖ **Erasmus+ LIVE JMD Programme** is a unique European Master in Vaccinology dedicated to:

- ✓ Train the **students from all countries** to different cultures.
- ✓ Organize an **integrated formation with a strong scientific background** in Immunology, Infectiology, Vaccinology, but also **multilingualism** and **multidisciplinarity**: legislation, health policy and humanities around vaccinology.
- ✓ Integrate **know-how, know-what, know-why & know-who along the vaccinology chain**: fundamental and translational research, industrial development and production, usage and epidemiological follow-up in vaccine clinical centres and communication.

✓ Drive a very **efficient and opened joint training between the academic and the industrial world** to cover a defined list of jobs in agreement with the labour market.

✓ Annually organize the **VaxInEu SYMPOSIA** international meetings

<http://vaxineu.univ-lyon1.fr/fr/pages/vaxineu-2015-home>

❖ **The Worldwide Partnership** is already rich of:

✓ **12 Academic Universities** in Brazil, China, Europe and USA (see § Partner Universities)

✓ **15 Clinical and Research Centres** in Brazil, Burkina Faso, Cameroon, Europe, Mali, Senegal and South Korea

✓ **11 Health and Research Organizations**: WHO, Vaccines Europe, Fondation Mérieux, Institut Mérieux, REIVAC, CoReVac, BIOASTER, Lyon BIPOLE, Vaccine Formulation Services, NESI, EVI, HSeT, Immunovally

✓ **13 industrial partners and vaccine manufacturers**: Butantan Institute, GSK Vaccines, Merial, Pfizer, Platine, Sanofi Pasteur, Stallergenes, Transgene, Valneva, Virbac, Takeda, Amal Therapeutics, MSD, Vakzine Projekt Management

✓ **3 experienced Belgian, Swiss and French digital learning platforms**:

Claroline, HSeT Foundation and Spiral Connect.

❖ **Mobility**: The LIVE Master Programme benefit from **industrial training support** and is organized **at leading European Universities**, in charge of awarding 120 credits (30 ECTS / semester) for 2 years in at least 3 places. Students move from Barcelona in **Spain (Semester 1)**, via Antwerp in **Belgium (S2)** then Lyon in **France (S3)**, to the Partner of the **world (S4)** they choose for their Master thesis (Worldwide Partnership).

❖ **Courses** include teaching of **general skills** such as scientific writing and presentation, time management, vaccine and society, careers, digital skills and intercultural communication with improvement in **two foreign languages** and participation to the **Summer School on Vaccinology**.

✓ **S1-S3**: Fundamental **scientific and multidisciplinary** aspects of **Immunology, Immunopathology, Cancer Immunology, Infectiology, Epidemiology, Research and Clinical Vaccinology, Public Health, Advertising, Project Management and Confidence in Vaccination**. S1-S3 also include:

• **Focus on specialized topics** such as vaccine formulation and safety, aged and newborn immune systems, host-pathogen interactions, cancer, vaccine manufacturing and quality control process, animal course and clinical vaccine trials.

• **Methods and techniques of modern vaccinology** including statistics, "omics", computer modelling approaches.

✓ **S4**: students have the opportunity to apply their knowledge worldwide with an **internship** supervised by our associated partners and to write and defend their **Master thesis**, a major achievement for graduation.



**Infections Cancers Immunopathologies**

**About 90% of the world's vaccines are produced in Europe.**

**Public Health Policy Immunology Infectiology Vaccinology**

**Epidemiology**

**Project Management Public Health Education**

**Europe exports more than 80% of its production, 3.4 billion doses per year.**

❖ **Vaccines are an Important Cornerstone of the Public Health System.**

More than **60% of the world's vaccine production sites are based in Europe**, employing over 20,000 people. The world faces constant infectious health threats: novel or mutated viruses, epidemiological outbreaks, or the unmet challenges to fight some of the most dangerous known pathogens. **Future vaccinology applications** will target immunopathologies and cancers. It is thus timely to **educate the next generation of vaccinologists**, trained in a multidisciplinary and integrated way in order to speed up the process from vaccine discovery to its positive impact on world human health.

❖ **Roles and Benefits for Associate Partner**

They actively participate **according to their skills and ability to fund** the training of their future highly competent colleagues.

They can:

- ✓ interact with the **LIVE network** composed of #50 institutions, big Pharma and Biotech that have so far joined our LIVE Master initiative to support this project
- ✓ take part in the **teaching** for specific topics or **MOOC** building
- ✓ **fund** total or part of **scholarship**: 50k€ /student /2 years
- ✓ as funders, become **member of the Academic and Management Board**, the decision-making body of LIVE
- ✓ organize their **site visit**, possibly with **formation on site**
- ✓ assist in the **dissemination, promotion and evaluation** of LIVE
- ✓ provide internship (up to 6 months) subject and professional tutorship to gain **highly quality trainees** at LIVE semester 4
- ✓ offer a **job or PhD position** to the selected graduated Master student they trust as their **future excellently trained colleague** participate in the **VaxInEu SYMPOSIA** international meetings.