

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 certified **fluent level of English**.

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 the 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 before January 20th, 2022 (23:59 UTC+1).

Partner Universities

❖ 5 Organizing European Universities

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

❖ 10 Associate Higher Education Institutions

- ✓ Universidad de Oriente, **Cuba**
- ✓ 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**
- ✓ Baylor College of Medicine, **USA**
- ✓ Université Paris XII Val de Marne VRI, **France**
- ✓ Faculty of Veterinary Medicine, **Ukraine**

❖ 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

- ✓ **The Máster Universitario Erasmus Mundus en Educación Internacional en Vacunas** from Barcelona universities.
- ✓ **The Master of Leading International Vaccinology Education** from Antwerp university
- ✓ **The Master Biologie Moléculaire et Cellulaire, parcours "Leading International Vaccinology Education"** from Lyon-Saint-Etienne universities.
- ✓ Original Erasmus+ "**Master LIVE**" EU Diploma Supplement

❖ Job Opportunities: International Manager in Vaccinology

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



Contact information

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Dead line for student application: 2022, 20th January
(23:59 UTC+1). Update 2021-11-30



Leading International Vaccinology Education

This programme receives the support of the Erasmus+ Programme of the European Union.

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!

❖ **LIVE Erasmus+ Mundus JMD Program** 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.

✓ Organize the **VaxInLive SYMPOSIA** international meetings related to vaccinology



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

- ✓ **15 Academic Universities** in Brazil, China, Cuba, Europe and USA (see § Partner Universities)
- ✓ **20 Clinical and/or Basic Research Centres** in Brazil, Burkina Faso, Cameroon, Europe, Mali, Senegal, Czech Republic and South Korea
- ✓ **11 Health and Research Organizations**: WHO, Vaccines Europe, Fondation Mérieux, REIVAC, CoReVac, BIOASTER, Lyon BIOPOLE, Vaccine Formulation Institute, NESI, EVI, ISGlobal
- ✓ **18 industrial partners and vaccine manufacturers**: BioMerieux, Institut Merieux, Janssen Vaccines, GSK Vaccines, Boehringer Ingelheim Animal Health, Pfizer, ABL Lyon, Sanofi Pasteur, Transgene, Valneva, Virbac, Takeda, Amal Therapeutics, Vakzine Projekt Management, Immuno Valley, Incepta Vaccine, Intravacc, Merck Sharp & Dohm
- ✓ **1 experienced European digital learning platform**: Claroline 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, bioinformatics data scientist, 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.



❖ **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 **VaxInLive SYMPOSIA** international meetings.

The vast majority of the world's vaccines are produced in Europe.

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