Life Sciences and Health
Master’s program International track Infectiology

PROGRAM

LSH International Track « Infectiology: Biology of Infectious Diseases » is a research based 2-year Master program taught 100% in English and organized jointly by University Paris-Saclay (UPSaclay, France) and University of Health Sciences (UHS, Phnom Penh, Cambodia). Students, who must be registered at both universities (UHS and UPSaclay), will obtain a double Master diploma by validating 60 ECTS (European Credit Transfer and Accumulation System) each academic year. Enrollment at M1 or M2 level is possible. Courses are hosted at UHS, followed by practical training in an international research institute of choice. A free online upgrading course (M0) may be mandatory for international students prior to selection to ensure they have appropriate qualifications for enrollment. The selection committee will inform candidates accordingly.

FIRST YEAR
PRE-SPECIALIZATION YEAR

15 ECTS
OCT - DEC

Core Courses:
- Genes, Proteins and Cells
- Genetics and Genomics
- Cell Biology
- Biochemistry and Cell Signaling

30 ECTS
JAN - MAY

Biostatistics
- Introduction to Bioinformatics
- Origin, evolution and biodiversity of microorganisms and infectious diseases
- Genetics of host-pathogens interactions
- Bacteriology
- Parasitology, Mycology
- Virology
- Immunology

15 ECTS
JUL - AUG

Scientific project
- Research laboratory internship (5-8 weeks)

SECOND YEAR
SPECIALIZATION YEAR

M1

24 ECTS
JAN - MAY

Recent advances in virology: virus-host interactions
- Host/bacterial and parasitic pathogen interactions (HBPI)
- Resistance mechanisms to anti infectious agents
- Vector-borne diseases
- Introduction to clinical trial
- Advanced Bioinformatics
- Bio-security and bio-banking
- Data management

15 ECTS
JUL - AUG

Scientific project
- Research laboratory internship (6 months)

M2

36 ECTS
OCT - DEC

IMPORTANT DATES TO REMEMBER
- January 15th to July 8th, 2022: scan the QR code and fill your application
- March to September, 2022: Candidate Selection
- April 25th, 2022: deadline for selection of outstanding candidates eligible to apply for a small Scholarship of UPSaclay
- October 2022: beginning of the Academic Year (full-time program)

GOALS

The aim of the Master’s program Infectiology is to provide a solid and broad-based foundation in prominent areas in Life Sciences and Health, as well as a high level of competences in Infectiology. Pedagogical team includes specialists from reputable international universities and research institutes. Coupled with an intensive internship period in top level research labs (Institut Pasteur, Institut Pasteur du Cambodge, Université Paris-Saclay, University of Health Sciences, etc…), students will obtain both theoretical and practical experience in Infectiology. Graduates will be able to pursue careers in basic and applied research in public or private institutions as engineer or as researcher after completing a PhD.

Partners & Sponsors

FOR MORE INFORMATION (accommodation, visa, scholarship…)
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Website: