

EVOLUTION, ECOSYSTEMS, MICROBIOLOGY, MODELLING (E2M2)

ED 341

SUPPORT INSTITUTION: Université Claude Bernard – Lyon 1

CO-AUTHORIZED INSTITUTION(S): Institut National des Sciences Appliquées - INSA-Lyon

SCIENTIFIC INTEREST

- The aim of the school is to promote an understanding of biology conceptually close to System biology or Integrative Biology
- Drawn by evolution population interactions in recent and ancient ecological systems
- Integrating interactions of all the levels of life (from viruses to plants, insects, invertebrates and vertebrates) with the global environment (climate, earth solid surface and water)
 - *at various scales
 - *of various types including parasitism and symbiotism

And including an approach using biostatistics, bioinformatics and biomathematics of biological and paleobiological systems

Evolution, microbiology, virus, bacteria, paleontology, biostratigraphy, geochemistry, sedimentology, mathematics, water, river, insects, statistics, dynamics, systems, molecular bioinformatics, differential equations, processus, informatics, algorithmics, modelling, molecular evolution, ecology, ecosystems, paléobiology

RESEARCH UNITS

<http://www.campusfrance.org/ecoledoc>
>search by region>institutions
>doctoral departments>research units

ADMISSION REQUIREMENTS

- **Degree or level required**
Masters degree focused on research
- **Languages proficiency**
French : Basic french is needed for everyday life and to feel comfortable during work
English : Either fluent french or english needed for scientific discussions
- **Admission procedure**
Test of admission or competition for the state "research grants"
- **Admission information**
The Head of the school or secretary
e2m2@biomserv.univ-lyon1.fr

WEBSITE IN ENGLISH

<http://umr5558-mq1.univ-lyon1.fr/moinwiki/e2m2vie/moin.cgi>

Number of students in the doctoral program (2007)	170
Number or % of foreign students	27 %
Courses taught in English	Redaction of the PhD thesis in English or other native language for PhD students not having done their whole cursus in France.
Network of French Institutions	<ul style="list-style-type: none"> • PRES (research and higher education cluster) Université de Lyon – www.universite-lyon.fr • RTRA (thematic advanced research network): Therapeutic inovations in infectiology
International thesis co-directed	16 = Algeria ; Argentina ; Australia ; Canada ; Netherland ; Norway ; Madagascar ; Mali ; Mexico ; Portugal ; Spain ; Tunisia
Network of international institutions	Franco-japanese <i>college doctoral</i>
Financial support	RESEARCH GRANTS (3 YEARS) <ul style="list-style-type: none"> • 18 % of the students among whom 12 % of foreign students Sources of funding <ul style="list-style-type: none"> • French regions (3) • Private companies (2) • Research instituions (INRIA, CEMAGREF, AFSSA etc.-), grants from foreign governments, associations (134)
Welcome services	Contact PRES (research and higher education cluster) Université de Lyon – www.universite-lyon.fr