

Master in Integrated Systems Biology

—
Academic Master



📖 FACULTY OF SCIENCE, TECHNOLOGY AND COMMUNICATION

Degree Master in Integrated Systems Biology (Academic)

Duration 2 year full-time programme / 4 semesters: 120 ECTS

Teaching language English

Objectives This Master enables students to acquire deeper knowledge in biosciences taking into account new technologies. This involves the handling of large amount of data and thus bioinformatics and network analysis are essential elements in this modern education in biosciences.

Strengths

- Combination of life sciences and computational science
- Use of the most modern technologies in biosciences
- Individual mentoring and courses taught in small groups
- Internationally renowned professors
- Strong links with the Life Sciences Research Unit (LSRU) and LCSB (Luxembourg Centre for Systems Biomedicine) at the University of Luxembourg

LSRU | LIFE SCIENCES
RESEARCH UNIT



Further study and career opportunities

- PhD in biology
- Positions in biotech and pharma industry
- Researcher in biological, biomedical or pharmaceutical laboratories
- Data scientist with focus on biomedical applications
- Teacher in secondary education/schools (additional requirements apply)

Entry requirements 24 participants max.
Bachelor degree in biosciences, bioinformatics or related field

Enrolment fee 200€/semester

Campus Belval
6, avenue du Swing
L-4367 Belvaux

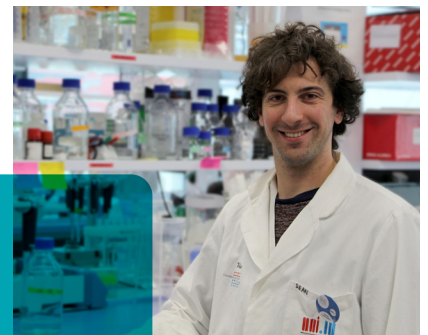
Contact T. +352 / 46 66 44-6302
fstc-misb@uni.lu

Further information <http://misb.uni.lu/>



“Systems Biology is the biology of the 21st century bringing together large scale measurements with data mining and network analysis.”

Thomas Sauter, Course Director and Professor of Systems Biology



“I very much enjoyed learning about many different experimental and computation biology fields during the MISB program, it gave a great overview of what is going on in modern biology. It made it easy to pick my favourite field of research, which I enjoyed so much that I decided to stay on to work towards a PhD. The connection to cutting edge research groups at the LCSB and LSRU is the icing on the cake: it was extremely easy to join the different groups and really get hands-on experience with Systems Biology research!”

Sean Sapcariu, Graduate 2013