

BIOENG-804

Summer School on Shaping the future of (bio)medicine

Fellay Jacques

Cursus	Sem.	Type
Biotechnology and Bioengineering		Obl.

Language of teaching	English
Credits	2
Session	
Exam	Oral presentation
Workload	60h
Hours	60
Courses	30
Exercises	12
TP	18
Number of positions	36

Frequency

Only this year

Summary

Participatory learning of future challenges in the topics of Biomedical technologies, Computational biology, Risk governance, ethics and Regulation. Learning how to present original work, communicate science, work in teams, discuss in small groups, network and search for job opportunities.

Content

The program consists of 5 lectures per day, with coffee breaks in between. Each speaker will give a 45 min talk, following questions and open discussion with students. The current list of confirmed speakers includes:

Prof. Nicola Aceto, University of Basel
 Prof. Francesca Baldelli Bombelli, Politecnico di Milano
 Prof. Mario Bianchetti, Università della Svizzera Italiana
 Prof. Roger Clerc, em Prof. University of Basel and EPFL
 Prof. Valérie D'Acremont, Centre Universitaire de médecine générale et santé publique
 Dr. Genya Dana, Emerging Technology and Governance Expert
 Prof. Jacques Fellay, EPFL
 Prof. Luca Giorgetti, Friedrich Miescher Institute for Biomedical Research
 Prof. Greta Guarda, Institute for Research in Biomedicine
 Prof. Ernst Hafen, ETHZ
 Dr. Luc Henry, EPFL
 Prof. Antonio Lanzavecchia, Institute for Research in Biomedicine
 Prof. Olivier Michielin, CHUV
 Dr. Annie Moisan, Roche
 Prof. Inaam Nakchbandi, Max Planck Institute of Biochemistry
 Prof. Olaia Naveiras, EPFL
 Prof. Dario Neri, ETHZ
 Dr. Peter Nestorov, Founder and CEO of Scailyte
 Prof. Sai Reddy, ETHZ
 Prof. Simone Schürle, ETHZ

Workshop facilitation: Tim Beltraminelli, Flavia Aurelia Shoko Hodel, Ivan Istomin, Grégoire Michielin, Alessandro Pedrioli

In the afternoons of Sunday, Tuesday, Thursday and Friday we are organising workshops requiring more active participation from students in form of MIT Hacking Medicine (14h), discussions with lecturers (4h), poster sessions (4h+4h preparation and presentation), and project work preparing for the Hacking Medicine (8h). Time after dinner we leave for less intense activities: soft skills workshops (2h), science quiz (2h) and carrier planning workshops (2h).

Note

Maximum number of participants: 30

Location: Bellinzona, Switzerland

Date: May 12-17, 2019

Keywords

precision medicine, hackathon, bioengineering, #open science#, quality education

Resources**Websites**

- <http://sfm2019.epfl.ch>