This course aims to introduce flux analysis as a useful tool to understand cellular metabolism and as an important component of Synthetic Biology design strategy as it relates to designing novel pathways for Bioenergy applications. The program involves both computational and experimental components in addition to talks/lectures from national and International leaders in the field of Synthetic Biology applications in Bioenergy. This Workshop will also provide opportunities for junior scientists and graduate students to present their work and exchange ideas with leaders in the field. This conference aims at training researchers and students in these areas so that the skills learnt could be applied in their country/region to generate high-performing strains. Topics will include:

- Reconstruction of metabolic models and their analyses
- Flux Balance Analysis and Metabolic Flux Analysis of microorganisms
- Synthetic biology approaches in bioenergy

Participants
- Senior PhD students, Post-docs, Early career scientists

Funding
- No fee is charged to attend this event
- Participants are expected to cover their own travel and living costs
- A limited number of grants, covering accommodation (twin share) and local hospitality for the duration of the event, are available to a selected number of ICGEB Member States nationals

Online application https://isg.icgeb.org/auth/login
Deadline 31 January 2022 - Deadline extended