INITIATION TO ^{13}C-FLUXOMICS

THE OBJECTIVE IS TO ACQUIRE THEORETICAL AND PRACTICAL KNOWLEDGE FOR THE ANALYSIS OF METABOLIC SYSTEMS IN CELLS OR TISSUES USING ^{13}C-FLUXOMICS APPROCHES.

Expert scientists from the MetaToul platform will teach you the fundamental principles and cutting-edge techniques of metabolomics through a dynamic blend of theoretical and practical sessions

TARGET AUDIENCE :

The course is intended for PhD students, postdocs, researchers, engineers or technical staff from academia or industry with:

- basic/intermediate knowledge in metabolism, Mammalian cells and health
- ongoing/forthcoming project regarding metabolism, in health domains

PROGRAM :

- **Day 1 (6h) :**
  - General introduction
  - Metabolic systems
- **Day 2 (6h) :**
  - Data analysis for metabolic network
  - Modeling og metabolic fluxes (cells scale)
- **Day 3 (6h) :**
  - Experimental desin & sampling
  - Analysis & data treatment (MS & NMR)
- **Day 4 (6h) :**
  - Flux map
  - Feedback & round table
  - Conclusion

The knowledge acquired during the training will be assessed throughout the session by means of practical exercises or round-table discussions.

A certificate of attendance will be delivered at the end of the training

INFOS

DURATION : 3 days - 24 Hours

NUMBER OF PARTICIPANTS : Min 4 / Max 10

PRICE :
Academic : 1300 €
Others : 2500 €
Lunch and educational materials included

TRAINING COURSE MANAGERS :

- **Lindsay PEYRIGA** - Application Engineer, CNRS. Co-Manager of MetaboHUBMetaToul-Metabolic networks
- **Maud HEUILLET** - Research Engineer, INRAE. Metabolic networks

INFORMATION AND REGISTRATION :
05 61 55 92 53 I fcq@insa-toulouse.fr

PERIOD OF TRAINING :
FROM MAY 26 TO 29 2026