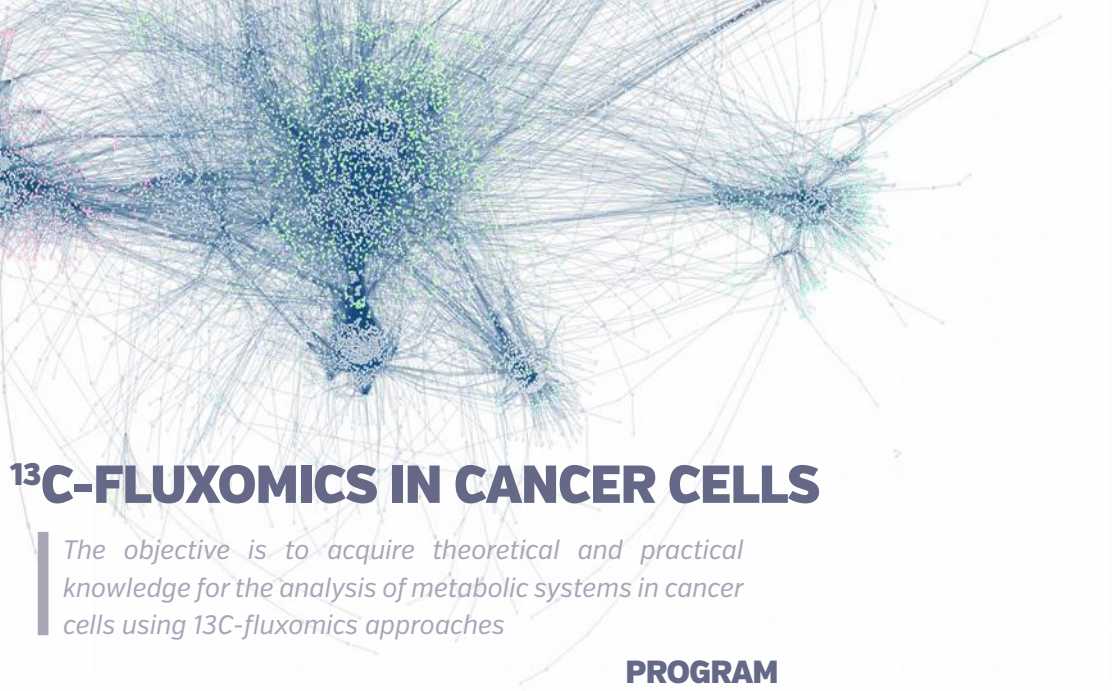

^{13}C-FLUXOMICS IN CANCER CELLS

The objective is to acquire theoretical and practical knowledge for the analysis of metabolic systems in cancer cells using 13C-fluxomics approaches

TARGET STAFF

- Have an initiated or intermediate level in metabolism and cancer
- Have an ongoing project or submitted around the understanding of metabolism in cancer cells
- Target audience: PhD students, post-docs, researchers, engineers or technical staff in oncology

PROGRAM

Day 1

- General Introduction
- Introduction : Cancer and Metabolism
- Introduction: Metabolic systems

Day 2

- Module 1 « Experimental design and sampling » (Theoretical and practical courses) :
  - Polar molecules
  - Lipides

Day 3

- Module 2 « Analysis and data treatment»
- Module3 « Flux maps »
- Module 4 « Data analysis for metabolic fluxes»

Day 4

- Module 4 : Metabolic flux modelization: cells scale»
- Feedback & round table
- Conclusion and evaluation of the training

INSA INSTITUT NATIONAL DES SCIENCES APPLIQUÉES TOULOUSE

Formation Professionnelle TOULOUSE TECH

METABOHUB

Réseau MétaboCancer GSO

Cancéropôle Grand Sud-Ouest

Responsible :

Maud Heuillet
Research Engineer INSA GSO

Mass spectrometry and isotopic analysis

Speakers :

Lindsay Peyriga
Engineer assistant INRA

Co-manager of MetaToul- Metabolics Network platform

Jean-Charles Portais
Professor UPS in Biochemistry and metabolism

Scientific director of MetaToul platform

Jean-Emmanuel Sarry
Researcher INSERM

Manager of FlexAML team in CRCT

Justine Bertrand-Michel
Research Engineer INSERM

Co-director of MetaToul platform and responsible of MetaToul-Lipidomics platform

Nathalie Poupin
Researcher INRA

Network analysis and bioinformatics

Floriant Bellvert
Engineer CNRS

Cco-manager of MetaToul- Metabolics Network platform

Edern Cahoreau
Research Engineer CNRS

NMR, isotopic analysis and fluxomics

Fabien Jourdan
Research director INRA

Network analysis and bioinformatics

INFOS

from 08 to 11 October 2019

Duration :
4 days – 30 hours

Location: INSA Toulouse

Price: 800 €

Academic GSO price : 620€

Information & Registration :
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