

# INITIATION HANDS-ON METABOLOMICS: FROM BENCH TO DATA

WANT TO INTEGRATE METABOLOMICS INTO YOUR RESEARCH OR ANALYTICAL PROJECTS, BUT DON'T KNOW WHERE TO START?

WHETHER YOUR FOCUS IS ON AGROSCIENCES, NUTRITION, HUMAN HEALTH, ENVIRONMENTAL SCIENCE, BIOTECHNOLOGY, OR ANIMAL HEALTH, THIS TRAINING IS FOR YOU!

## TARGET AUDIENCE :

The course is intended for :

- Academics or industrials
- Researchers, engineers, technicians, PhDs and post-docs
- Biologists, analysts

## PROGRAM :

- **Day 1 (7h) :**
  - Basics on Metabolomic
  - Practical session
- **Day 2 (7h) :**
  - Acquisitions and processing in MS
  - Practical session (+ *keynote : Open Science, MetExplore3, MSi ...*)
- **Day 3 (7h) :**
  - Acquisitions and processing in NMR
  - Practical session (+ *keynote : Open Science, MetExplore3, MSi ...*)
- **Day 4 (7h) :**
  - Statistics, chemometrics
  - Practical session
- **Day 5 (3h) :** Workshops

**The learning outcomes will be assessed throughout the session through quizzes, practical exercises or roundtables.**

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



## I N F O S

**DURATION :** 4,5 days - 31 Hours

**NUMBER OF PARTICIPANTS :** Min 10 / Max 20

**PRICE :**

Academic : 2050 €

Others : 2900 €

Lunch and educational materials included

**SCIENTRaining COURSE MANAGERS :**

- **Marie TREMBLAY-FRANCO** - IR INRAE
- **Pierre PETRIACQ** - DR INRAE

**INFORMATION AND REGISTRATION :**

05 61 55 92 53 | [fcq@insa-toulouse.fr](mailto:fcq@insa-toulouse.fr)

**PERIOD OF TRAINING :  
FROM MARCH 16 TO 20 2026**

