

DAY 1: 15 June 2022

Introductory part I. This part is open to a wider public.

Morning session 9:00 to 12:00 (Central European Time)

- **Fulvio Mattivi** [9.00 – 9.30] Introduction to FAIR data management in metabolomics and actual viticulture and wine science situations. [PDF](#)
- **Éric Duchêne** [9.30 – 10.10] How to describe a grapevine experiment and sample metadata. [PDF](#)

BREAK 30 min

- **Pietro Franceschi** [10.40 -11.10] Experimental Design.
- **Marynka Ulaszewska** [11.10 -11.50] Untargeted Metabolomic Workflow: from sample preparation to mass spectrometry analysis. [PDF](#)

Afternoon session 14:30-16:30 (Central European Time)

- **Mar Garcia-Aloy** [14.30 -15.00] Preprocessing and quality assessment of untargeted metabolomics data. [PDF](#)
- **Marynka Ulaszewska** [15.00 -15.30] Spectral Libraries, metabolite annotation and identification. [PDF](#)

BREAK 20 min

- **Pietro Franceschi** [15:50 – 16:10] Introduction to Data Fusion.
- **Thomas Payne** [16.10 -16.30] MetaboLights: the home for metabolomics experiments and derived information. [PDF](#)

DAY2: 16 June 2022

Morning session 9:00 to 12:00(Central European Time)

Hands-on activity: A guided walkthrough: a real data analysis task

- Group 1: R and XCMS (**Pietro Franceschi, Mar Garcia-Aloy**)
- Group 2: GUI/web-based analysis (**Panagiotis Arapitsas, Marynka Ulaszewska, Christina Virgiliou**)

Afternoon session 15:00-17.00 (Central European Time)

- continuous from the morning session

DAY 3: 17 June 2022

Morning session 9:00 to 12:00 (Central European Time)

Hands-on activity: A guided walkthrough: a real data analysis task

- Group 1: Day-life lab activities coaching (**Panagiotis Arapitsas**) [PDF](#)
- Group 2: Annotation and structure elucidation coaching (**Marynka Ulaszewska**) [PDF](#)

Afternoon session 14:30-17.00 (Central European Time)

- Group all: Metabolights uploading (**Thomas Payne, Felix Amaladoss, Stefania Savoi**)
- Final remarks

SPEAKERS & TRAINERS

Felix Amaladoss | famaladoss@ebi.ac.uk | Software Developer – Metabolights – O'Donovan team: Metabolomics, UK

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SELECTION CRITERIA OF TRAINEES

Evaluation of applications will be based on the following criteria:

– Postdocs, Ph.D. students, PIs, and bioinformaticians working in metabolomics related to grapevine with a high motivation to spread these good practices learned during the training school.

– A maximum of 30 trainees will be selected for the practical parts (day 2 and 3) based on a motivation letter or reason to participate

The training school is free to attend, but travel expenses will not be reimbursed as the training school will be online.

CONTACTS

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