



Year anniversary



31/08 - 2/09, Ghent (BE)

NuGOweek 2024

postgraduate

course

NUTRITIONAL OMICS: from study design to integrative data analysis

Course description

This course, delivered in collaboration with UGent LIMET and the MSCA doctoral network [NUTRIOME](#), introduces participants to the intricate fusion of nutritional science and omics technologies. Participants will hone their ability to design studies aimed at deciphering the molecular effects of nutrition, competently create and analyze omics datasets, and use machine learning methods to gain insights critical to advancing personalized nutrition strategies. Basic programming skills (R/Python) are a plus to optimize participant engagement and understanding.

Day 1: Saturday 31/08, afternoon

Introduction on (epi-)genomics, metagenomics, metabolomics and lipidomics

Day 2: Sunday 1/09, full day

Introduction to metabotyping and machine learning, hands-on lab demo in metabolomics and lipidomics

Day 3: Monday 2/09, morning

Metabotyping through integrative omics and machine learning

Location:

Ghent University, Campus Veterinary Medicine

Salisburylaan 133, 9820 Merelbeke

<https://www.ugent.be/di/en>



Full program, invited lecturers and registration:

<https://www.nugoweeek2024.com/post-graduate-course>