



International Conference

THE MICROBIOME THROUGHOUT LIFE

Translating new science into clinical practice

19 - 21 March 2026 – Belgrade, Serbia



MIREIA VALLES-COLOMER

Dr Mireia Valles-Colomer is a tenure-track Principal Investigator at the Medicine and Life Sciences (MELIS) department of the University Pompeu Fabra (Barcelona, Spain), leading the Microbiome Research Group. Her research focuses on elucidating the link between the gut microbiome and mental health, along with its social transmission.

With a background in Microbiology and Computational Biology (Autonomous University of Barcelona, Spain and Free University of Brussels, Belgium), her research focuses on the role of the human microbiome in mental health and its transmission among individuals. She performed the first population-level study on the link between the gut microbiome and host anxiety and depression during her PhD at the Raes Lab at VIB-KU Leuven (Belgium), in which she characterised the microbial production and degradation of neuroactive compounds in metagenomic data (Valles-Colomer et al, Nat. Microbiology 2019). The study was included in "Nature milestones 2019" as milestone paper in human microbiota research. During her postdoc (EMBO long-term fellowship, Segata lab at the University of Trento, Italy) she also showed that the gut microbiome can be transmitted among multiple familial generations (Valles-Colomer et al, Nat. Microbiology 2022), and performed the first large-scale study on the person-to-person transmission landscape of the gut and oral microbiomes (Valles-Colomer et al, Nature 2023).

