

About us

IMDEA Nutrition is a centre of research excellence driving a new way of understanding the relationship between nutrition and health throughout life. Through cutting-edge precision nutrition science, the Institute conducts highly interdisciplinary and applied research aimed at developing new strategies for the prevention, diagnosis and treatment of complex diseases, contributing to a more personalised, preventive and effective approach to health.

An internationally recognised centre of excellence in precision nutrition and health, transforming scientific knowledge into tools, predictive models and personalised interventions. We strive to advance a more personalised and preventive healthcare model that enables people to live longer, healthier lives while anticipating the challenges facing society.

In the field of research aligned with INFOGUT, our research groups operate at the intersection of systems biology, artificial intelligence, and nutrition science, addressing the growing need to interpret complex biological data in the context of health and disease. The group focuses on understanding how diet, microbiome, metabolism, lifestyle, and ageing interact to shape inter-individual variability in cancer and other chronic diseases.

Through advanced computational frameworks—including machine learning, AI-driven modelling, and systems biology approaches—the group develops predictive and mechanistic models to support personalised nutrition and translational health strategies.

It is evolving towards a research platform specialising in digital twins and AI agents applied to biological systems, with strong national leadership and international collaboration.

Connecting research, innovation and industry

We are part of a highly collaborative ecosystem involving academia, healthcare, and industry.

Opportunities to connect with key stakeholders in nutrition, microbiome research and biotechnology.

Madrid regularly hosts major international scientific and innovation events, including Science for Industry (S4i).



Where we are - IMDEA Nutrition Venue

Located on the UAM campus, approximately 15 km north of central Madrid. An ideal environment to foster new collaborations and future project proposals. It is Campus of Cantoblanco: a leading academic & research ecosystem.

- Outstanding environment for biomedical research and innovation.
- Easily accessible by Cercanías commuter train, bus and taxi.
- Around 20 minutes from Adolfo Suárez Madrid-Barajas Airport.
- On-site free parking available for participants.
- Modern research facilities and meeting spaces.
- Quiet academic setting, ideal for focused discussions.

Here are the directions to the IMDEA Nutrition Institute [[Carretera de Canto Blanco, 8 - 28049 Madrid](#)].

