



Immunofluorescence image of a mouse blastocyst (Image: Fatima Santos)

NUTRITION AND METABOLIC EPIGENETICS

Developing potential therapies for human metabolic diseases.



Research Areas

- Effects of nutrition on mammalian development,
- Nutritional memory in metabolic diseases, including obesity and Type 2 Diabetes,
- Natural compounds as epigenetic regulators,
- Linking nutrition to epigenetic changes.

Regions

Switzerland and rest of Europe, USA, New Zealand, Australia

Contribution to the WFSC

The von Meyenn Lab aims to gain insights into the complex relationship between nutrition, metabolism, and the epigenome. We develop and use single cell and next-generation sequencing techniques as well as human and murine in vivo and in vitro studies and combine these with genome-wide computational and bioinformatic analysis. We are interested in both fundamental biological discovery and potential therapies for human metabolic diseases. In particular the impact of nutrition and food additives on (patho)physiology is an important aspect of our work.



Prof. Ferdinand von Meyenn

Contact

ETH Zurich
Laboratory of Nutrition and Metabolic Epigenetics
SLA C 93
Schorenstrasse 16
8603 Schwerzenbach
<https://epigenetics.ethz.ch/>→

