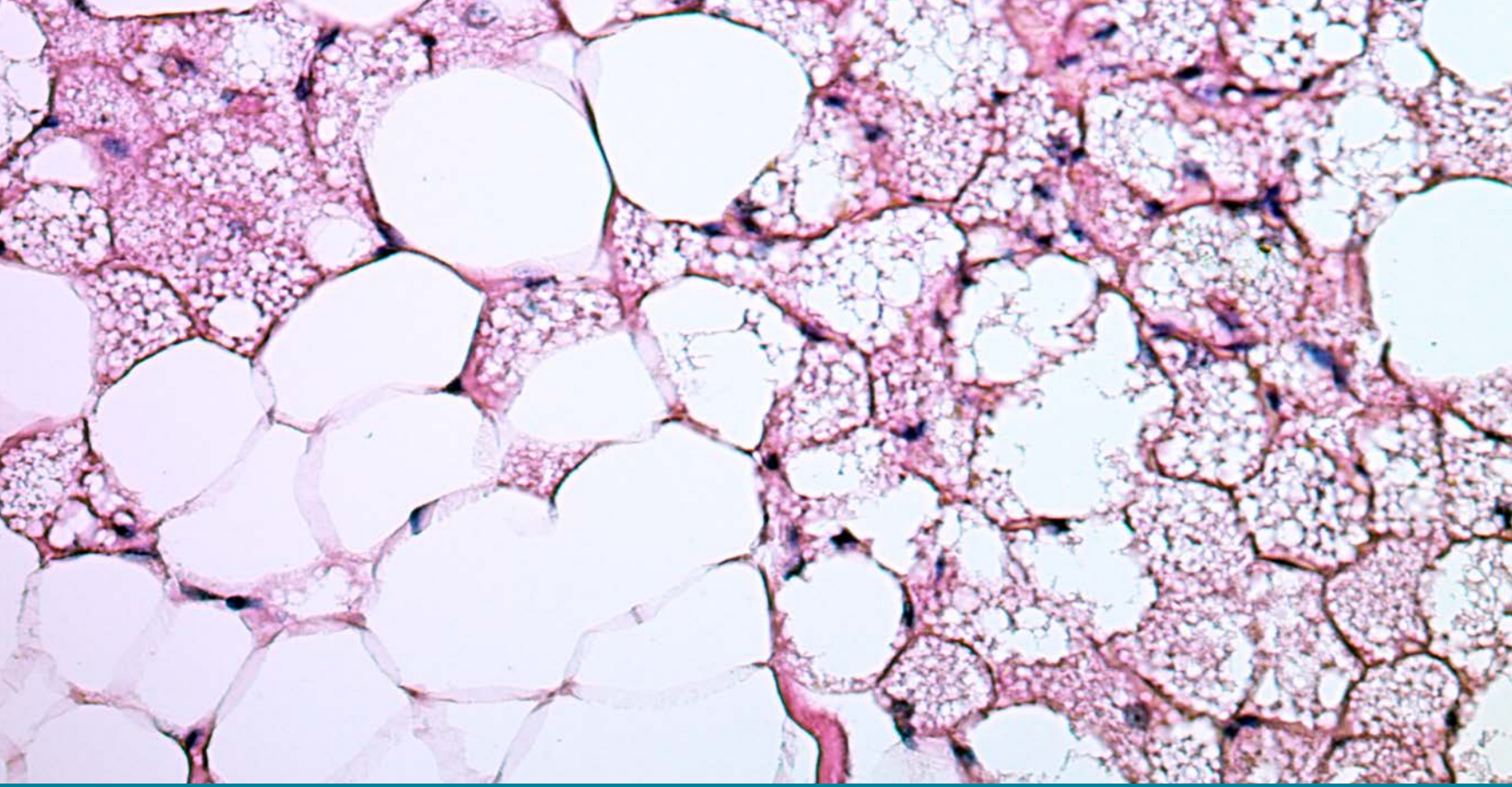

TRANSLATIONAL NUTRITION BIOLOGY

Identifying nutrition-based strategies to prevent and treat obesity-associated metabolic disorders.

Research Areas

- Development of Obesity and Type 2 Diabetes;
- Plant extracts and natural compounds to modulate adipose tissue function;
- Development of preventive strategies to improve metabolic diseases.

Regions

Switzerland, Singapore, China, Palau, USA

Partners

Boehringer Ingelheim; Glycemicon AG; University of Geneva; National University of Singapore; Wilmar International; Shangai Institute of Materia Medica.

Contact

ETH Zurich
Laboratory of Translational Nutrition Biology
SLA C 94
Schorenstrasse 16
8603 Schwerzenbach
https://tnb.ethz.ch/→

Contribution to the WFSC

The group's research aims to identify how adipose tissue proliferation and differentiation as well as function impacts the development of metabolic misbalance, such as obesity and diabetes. Therefore, the lab employs a translational approach from mice to men to elucidate the molecular mechanisms that govern these processes. Special emphasis is given to the identification of medicinal plant extracts and their bioactive components to identify nutrition-based strategies to prevent and treat obesity-associated metabolic disorders.

Prof. Christian Wolfrum