



"Building bridges between our nations in science and technology will help us to offer the best treatments for our patients."

-Prof. Stefan R. Bornstein
transCampus Dean King's College London
Technische Universität Dresden

"There are close and intricate interactions between metabolic disease and infections. We have to unravel the mechanisms of this interactions throughout the life cycle."

-Prof. Nikolaos Perakakis
Professor for Metabolic and Vascular Medicine
Faculty of Medicine, TU Dresden



"We are excited about expanding our models from metabolic disease to understanding mechanisms in tumor regulation and progression."

-Prof. Christian Wolfrum
Deputy President and Provost
Nanyang Technological University Singapore



"The interface of infection and metabolic disease defines the new frontiers in medicine."

PD Dr. Nicole Töpfner
Senior Consultant in Paediatric Infectious Diseases,
University Hospital Dresden



"Understanding the interplay between metabolic disease and infections through life time is a important tool to a wider view on prevention."

-Prof. Felix Beuschlein
Director of Department, Department of Endocrinology,
Diabetology and Clinical Nutrition
Unispital Zurich



 **transCampus roadshow**



Dubai



London



Dresden



Zurich

Venue

UniversitätsSpital Zurich

Kleiner Hörsaal OST B5
Schmelzbergstrasse 12, 8091 Zürich



Sponsors & Partners



IRTG3019: MEDIS Metabolic and Endocrine Drivers of Infection Susceptibility



 **transCampus**
**Roadshow &
Annual IRTG3019 Retreat**

 **Zurich**

June 08 - 10, 2026

in cooperation with Dresden, Germany



**University of
Zurich**

ETH zürich

A congress organised by



Monday – June 8th, 2026

transCampus Roadshow “Rare bone disease, metabolic and endocrine disease and infection

09:00 AM	Introduction	<i>Prof. Bornstein</i>
09:10 AM	Clinical implications and management of hypoparathyroidism	<i>Dr. Mary Scott Roberts/ Prof. Rachner</i>
09:30 AM	Management of rare bone diseases	<i>Dr. Eleni Tsourdi</i>
09:50 AM	Hypophosphatasia	<i>Dr. Monika Flury</i>
10:10 AM	New developments in the treatment of lipodystrophy	<i>Prof. Matthias Blüher</i>
10:30 AM	Mono-genetic causes of obesity	<i>Dr. Pia Roser</i>

Coffee Break

11:30 AM	Therapeutic apheresis for NETosis and inflammation	<i>Dr. Aswani</i>
11:50 AM	Therapeutic apheresis and Alzheimer’s disease / neurodegenerative disease application	<i>Prof. Aigner</i>
12:10 PM	New developments in autoimmune diagnostics	<i>Prof. Schulze-Forster</i>
12:30 PM	New treatment for Cushing	<i>Dr. Pamporaki</i>

Lunch Break

IRTG3019 project presentation I

02:30 PM	Metabolic Influences of Post Acute Infection Syndrome	<i>Rupali Mohanty (TUD)</i>
02:45 PM	Adrenal gland susceptibility to viral and bacterial infections	<i>Marleen Hohnvehlmann (TUD)</i>
03:00 PM	Adrenal susceptibility to viral and bacterial infections	<i>Alexander Kirschfink (UZH)</i>
03:15 PM	TBA	<i>Fabian Fabritius (UZH)</i>
03:30 PM	MGlucocorticoids; hub between infection-susceptibility and inflammation treatment	<i>Samira Kaziakhmedova (TUD)</i>
03:45 PM	Cell biology of diabetogenic viruses in pancreatic beta cells	<i>Arvind Reddy Kandl (TUD)</i>
04:00 PM	Investigation of the change in charged peptides on the cell surface of beta cells after enteroviral infection	<i>Kriethikaa Senthilkumar (TUD)</i>



Coffee Break & Group Picture

Keynote Lecture / Vison Talk

05:00 PM TBA *Prof. Adrian Egli (UZH)*

Social Evening: Dinner at restaurant “UniTurm” (Start at ~ 06:30 PM)

Tuesday– June 9th, 2026

IRTG3019 project presentation II

09:15 AM	IHepatic and pulmonary mechanisms regulating immune responses to infectious diseases in MASLD and in relation to dietary interventions	<i>Sol Seo (TUD)</i>
09:30 AM	Gut Macrophages as Mediators of MASLD Progression: Interplay of Diet and Intestinal Infections	<i>Anushka Dayal (TUD)</i>
09:45 AM	TBA	<i>SungJoon Park (TUD)</i>
10:00 AM	The role of perturbations of glucose metabolism in polymorphonuclear immune cell response to infectious and non-infectious inflammatory stimuli	<i>Trishla Adhikari (TUD)</i>
10:15 AM	Metabolic and Endocrine Effects of Plasticizer Replacement Products in Mice	<i>Seyed Esmaeil Ahmadi (UZH)</i>
10:30 AM	Linking obesity-associated bacterial extracellular vesicles to gut immune interferon activation	<i>Elisa Braun (UZH)</i>

Coffee Break

IRTG3019 project presentation III

11:30 AM	IMicroglia activation and priming in chronic stress	<i>Nikolaos Nirakis (TUD)</i>
11:45 AM	Investigating the role of DNMT3A-driven CHIP in chronic inflammation-induced cardiometabolic dysfunctions	<i>Rajeshwari Choudhury Nath (TUD)</i>
12:00 PM	Impact of immunometabolites and cytokines on cardiomyocyte function from obese and hypertensive mice	<i>Julius Tobias Bentsch (TUD)</i>
12:15 PM	Investigating the postmenopausal changes in visceral adipose tissue linked to metabolic decline	<i>Clarisse Engl (ETH)</i>
12:30 PM	Personalized decision making in obesity therapy	<i>Hannah Moll (UZH)</i>

Lunch Break

IRTG3019 project presentation IV

02:15 PM	Host-microbial crosstalk along the gut-liver axis in metabolic disease	<i>Nirisha Pramanik (TUD)</i>
02:30 PM	Long COVID extracellular Vesicle activatee platelets in Post COVID19 syndrome and flare thrombo-inflammation	<i>Shadi Hambo (TUD)</i>
02:45 PM	TBA	<i>Muhammed Afthab Tharakathel Abdul (TUD)</i>
03:00PM	Longitudinal Monitoring during different Intermittent Fasting Protocols in Obese Adults – A Randomized Clinical Trial	<i>Leonie Mönch (UZH)</i>
03:15 PM	Metabolism monitoring via breath acetone	<i>Lorenz Klein (UZH)</i>
03:30 PM	Gender-Affirming Hormone Therapy: A Human Model for Investigating Sex Hormone Effect	<i>Hüseyin Cihan (UZH)</i>

*Farewell for Pl’s & Network Session
IRTG students and Pls have time to meet,
discuss, visit labs and
create new ideas for the future*

Wednesday – June 10th, 2026

Students workshop “Data visualization for Scientists”

Speaker: Dr. Helena Jambor
(Associate professor for data visualization at the FH Graubünden/Switzerland; Affiliation of the Medical Faculty of the TU Dresden)

From raw data and numbers to figures

- Exploratory versus explanatory data visualization
- Which display type to choose for what kind of data, univariate data
- How to not lie with charts
- Exercise

Graphs and Charts

- Categorical, relationship, time-course data, comparisons of datasets
- Exercise: Choosing a chart type

Lunch Break

Color in figures

- The do’s and don’ts of color
- Color for qualitative, quantitative, and diverging data
- Exercise: Choosing a color scheme, applying color concisely

Focus the attention & Decluttering

- De-cluttering of figures
- Rapid techniques to increase readability of figures

*Farewell for students &
Handover Certificate of Attendance*

Students Night