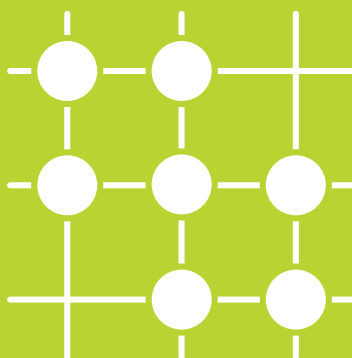


# UKBB Research Day

**D-BSSE ETH Zürich, Klingelbergstrasse 48, Basel, 10.11.2023**



# 10th November, 2023

<b>08.30</b>	<b>Arrival and welcome coffee</b>	<b>Foyer</b>
<b>08.55</b>	<b>Welcome words</b>	<b>Plenum E23</b> Sven Schulzke
<b>09.00</b>	<b>Plenary Session I</b>	<b>Plenum E23</b> Chairs: Stephanie Gros/ Urs Frey
	Daniel Müller Head of D-BSSE ETH Zürich; Prof. of Biophysics	Introducing the new neighbours and opportunities: From engineering molecular and cellular systems towards translational medicine
<b>09.20</b>	<b>Presentations Master Students</b>	<b>Plenum E23</b> Chairs: Stephanie Gros/ Severin Kasser
09.20	Céline Fille	Glycemic control in children and adolescents with type 1 diabetes and attention deficit hyperactivity disorder – a retrospective longitudinal study
09.28	Marlies Gisin	Adolescents and young adults with secondary immune thrombocytopenia – a Swiss/France collaboration project
09.36	Julius Rüth	Construction of a scaffold for intestinal disease
09.44	Tobias Walliser	Sperm analysis in patients with haemoglobinopathies - cases presentation and review of the literature
09.52	Lara Zumoberhaus	Treatment in PFAPA- what do we know about effectiveness and safety
<b>10.00</b>	<b>Coffee Break</b>	<b>Foyer</b>

<b>10.20</b>	<b>Short Presentations Session I</b>	<b>Plenum E23</b>	Chairs: Marie-Anne Burckhardt/ Roland Neumann
10.20	Verena Gotta	Pharmacometric in silico studies to evaluate risk of potentially neurotoxic cefepime exposure in infants under high-dose treatment	
10.30	Leandra Ramin-Wright	Sample entropy of oxygen saturation in preterm infants; a prospective cohort study	
10.40	Tomáš Sláma	Chronic health conditions after childhood Langerhans cell histiocytosis: Results from the Swiss Childhood Cancer Survivor Study	
10.50	Kapil Dev Singh	Metabolic trajectories of diabetic ketoacidosis onset described by breath analysis	
11.00	Bastian Widmer	Use of natural language processing to predict the diagnoses of patients with gait impairments	
11.10	Michèle Widmer	CrossFit® to improve gross motor function and gait in adolescents and young adults with cerebral palsy: a pilot study	
<b>11.20</b>	<b>Guided Poster Walk</b>	<b>Basement</b>	Jury: Alexandra Goischke/ Elke Viehweger/ Gabor Szinnai/ Jakob Usemann
<b>12.45</b>	<b>Lunch</b>	<b>Bistro EG</b>	
<b>13.45</b>	<b>Plenary Session II</b>	<b>Plenum E23</b>	Chairs: Julia Bielicki/ Jehuda Soleman
	Barbara Treutlein DBSSE-ETH Zürich Prof. of Quantitative Developmental Biology Lab	Understanding human brain development with organoids and single cell technologies	
<b>14.10</b>	<b>Short Presentations Session II</b>	<b>Plenum E23</b>	Chairs: Tatjana Welzel/ Dirk Fischer
14.10	Rebecca Angresius	Localization of Aquaporin 1 expression in Hirschsprung's Disease and its possible implications	
14.20	Noëmi Künstle	Differences in autophagy marker levels at birth in preterm vs. term infants	

14.30	Adrian Moya	Customizable autologous tissue engineered graft for phalanx construction in children with symbrachydactyly
14.40	Julian Muff	Characterisation of small Intestinal adaptation to chronic Helminth Infection with <i>H. polygyrus</i> in mice
14.50	Méline Richard	The scent of pain: Metabolic fingerprints of cold pressor test via real-time breath analysis in a multisite clinical trial
15.00	Gleb Turchinovich	Specific labelling of type 3 innate lymphoid cells using a split-Cre mouse model
<b>15.10</b>	<b>Spotlight DBE</b>	<b>Plenum E23</b> Chairs: Elke Viehweger/ Alexandre Datta
	Philippe Cattin Head of DBE University of Basel Prof. (Center for medical Image Analysis & Navigation (CIAN))	The solution might already exist: A short introduction to the DBE
<b>15.20</b>	<b>Coffee Break</b>	<b>Foyer</b>
<b>15.40</b>	<b>Plenary Session III</b>	<b>Plenum E23</b> Chairs: Pablo Sinues/ Urs Zumsteg
	Stephanie Gros UKBB Research Group Leader Prof. of Surgery	Patient-derived models for improving treatment of cancer
<b>16.00</b>	<b>Short Presentations Session III</b>	<b>Plenum E23</b> Chairs: Felicitas Bellutti/ Stefan Holland-Cunz
16.00	Sara Bachmann	Prediction of nocturnal hypoglycemia in children with type 1 diabetes after physical activity
16.10	Benito K. Benitez	Collaborative, comparative study on cleft morphology prior to single-stage unilateral cleft lip and palate repair – effect of passive presurgical plate therapy
16.20	Andreas A. Müller	Cleft lip and palate surgery simulator: Open source simulation model
16.30	Martina Studer	Spike wave index is negatively associated with episodic memory recall in children with self-limited epilepsy with centrotemporal spikes
16.40	Marc Pfister	Machine learning-based algorithm as an innovative approach for the differentiation between diabetes insipidus and primary polydipsia in clinical practice

16.50 Britta Steffens

Leveraging heart rate as clinical marker to personalize monitoring and treatment of thyroid diseases in children and adults

**17.00 Plenary Session IV**

**Plenum E23** Chairs: Verena Gotta/ Sven Schulzke

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Julia Bielicki  
UKBB Research Group Leader  
PD Pediatric Infectious Diseases  
Clinical Lead PRC

Innovative trial designs to address pressing child health problems

**17.20 Awards ceremony**

**Plenum E23**

**17.30 Apéro Riche**

**Foyer**

## Anmeldung



Anmeldeschluss: 31. Oktober 2023

Online Anmeldung: [www.ukbb.ch/registration-rd-2023](http://www.ukbb.ch/registration-rd-2023)

## Vielen Dank unserem Sponsor

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