



15TH SWISS WINTER CONFERENCE

on

INGESTIVE BEHAVIOR

St. Moritz

Switzerland

16 – 20 February 2025

ACKNOWLEDGEMENTS

The organizers gratefully acknowledge:

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PROGRAM

15th Swiss Winter Conference on Ingestive Behavior

16 – 20 February 2025

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Organizers

Thomas A Lutz
tomlutz@vetphys.uzh.ch

Barry Levin
levin@njms.rutgers.edu

Nori Geary
ndg47@hotmail.com

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Venue

Hotel Laudinella
Via Tegiatscha 17
CH-7500 St. Moritz
Switzerland

T +41 81 836 00 00
F +41 81 836 00 01
info@laudinella.ch

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Notes

Sunday at 18.00 there is a welcome Apero in the Lobby Bar.

Dinners are in different Hotel restaurants, as described below.

Scientific sessions are in Palü/Morteratsch rooms.

Each speaker has a 30 min time slot,
15 min for the talk and 15 min for the discussion.

SCHEDULE

**Please note: Each speaker has a 30 min time slot,
15 min for the talk and 15 min for the discussion.**

We expect Swiss precision !

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SUNDAY 16 FEB 2025

18.00 **Welcome Apéro** in the Lobbybar

19.00 **Dinner** in the **Stüva Restaurant**
Buffet with Specialties of Graubunden

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MONDAY 17 FEB 2025

08.00 – 11.00 **Session #1**
Chair: Barry Levin
Welcome: Thomas Lutz
Talks: Yosten, Leuhardt, Zaugg, Berthoud

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17.00 – 19.30 **Session #2**
Session Chair: Christina Boyle
Talks: Baragetti, Estradameza, Navarro, Olszeski, Pajot

20.00 **4-Course Dinner** in the **Vic's Brasserie Hotel Reine Victoria**
Wild mushroom crêpe | herb cream sauce
Smoked salmon | Risoni | Dill (Vegi variant: Pumpkin soup)
Roast beef, oven-roasted vegetables | Café de Paris | French fries
(Vegi variant: Spicy vegetable tajine)
Chocolate mousse and whipped cream

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TUESDAY 18 FEB 2025

08.00 – 10.30 Session #3

Chair: Christelle LeFoll

Talks: Ferrario, Jucker, Boccia, Y Ravussin

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TUESDAY 18 FEB 2025

17.00 – 19.30 Session #4

Chair: Tito Borner

Talks: Altstädt, Fald, Park, E Ravussin, Serra

20.00

Dinner in the Stüva Restaurant

Buffet with Italian Specialties

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WEDNESDAY 19 FEB 2025

08.00 – 10.30 Session #5

Chair: Carlo Cifani

Talks: Botticelli, Dagher, Lommi, Samson, Geary

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17.00 – 19.30 Session #6

Chair: Wolfgang Langhans

Talks: Bogaerts, Elfers, Fischer, Gao, Mazzani

20.00

Dinner in the Restaurant Corvatsch

Raclette à discretion and Tiramisu

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THURSDAY 20 FEB 2025

11.00

Check out and departure

Farewell !

Auf Wiedersehen !

Uf Wiederluege !

Sin seveser !

Arrivederci !

Au Revoir !

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ATTENDING, NOT PRESENTING

Christina Boyle, Institute of Veterinary Physiology, University of Zurich,
Switzerland, boyle@vetphys.uzh.ch

Tito Borner, Department of Biological Sciences, University of Southern California,
USA, tborner@usc.edu

Carlo Cifani, Pharmacology Unit, School of Pharmacy, University of Camerino,
Camerino, Italy, carlo.cifani@unicam.it

Christell LeFoll, Institute of Veterinary Physiology, University of Zurich,
Switzerland, christelle.lefoll@uzh.ch

Wolfgang Langhans, Dept Health Sciences & Technology, ETH Zurich,
wolfgang-langhans@ethz.ch

and the organizers.

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ABSTRACTS

Abstracts are arranged alphabetically by first (presenting) author's name (**in bold**).

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No effect of acute erythritol or xylitol intake on parameters of thrombocyte activation

Anita Altstädt^{1,2}, Emilie Flad^{1,2}, Jürgen Drewe³, Christoph Beglinger^{1,2}, Anne Christin Meyer-Gerspach^{1,2}, Bettina K. Wölnerhanssen^{1,2}

¹St. Clara Research Ltd. at St. Claraspital, 4002 Basel, Switzerland; ²Faculty of Medicine, University of Basel, 4001 Basel, Switzerland; Department of Clinical Pharmacology and Toxicology, University Hospital Basel, 4001 Basel, Switzerland

Anita Altstädt
University of Basel
4001 Basel
Switzerland
anita.altstaedt@unibas.ch

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Incretin dependent increase of neutrophils blood count patrols peri-prandial metabolic adaptations

Andrea Baragetti, Anna Parolini, Lorenzo Da Dalt, Alessia Rubino, Giovanni Battista Vingiani, Ottavia Terenghi, Annalisa Moregola, Fabrizia Bonacina, Giuseppe Danilo Norata

Department of Pharmacological and Biomolecular Sciences “Rodolfo Paoletti”, University of Milan

Andrea Baragetti
Department of Pharmacological and Biomolecular Sciences “Rodolfo Paoletti”
University of Milan
Via G. Balzaretti, 9
20133 Milan
Italy
andrea.baragetti@unimi.it

- + - + - + - + - + - + - + - + - + -

Prevention and Treatment Options in Obesity-Prone Children and Adolescents

Hans-Rudolf Berthoud

Neurobiology of Nutrition & Metabolism Department, Pennington Biomedical Research Center, Louisiana State University System, Baton Rouge, LA 70810, USA

Hans-Rudi Berthoud
George H. Bray Professor of Neuroscience
Neurobiology of Nutrition & Metabolism Department
Pennington Biomedical Research Center
6400 Perkins Road
Baton Rouge, LA 70808, USA
berthohr@pbrc.edu

- + - + - + - + - + - + - + - + - + -

Exercise alters gut to brain signals that reduce sugar consumption

Lavinia Boccia¹, Giulia Uhr², Jo Lewis³, Lenka Donhalova², Irene Caffa⁴⁻⁵, Luca Tagliafico⁴⁻⁵, Heather Collins⁶, Myrtha Arnold⁷, Alessio Nencioni⁴⁻⁵, Fionna Gribble³, Frank Reimman³, Christoph Thaiss², J. Nicholas Betley¹.

¹Department of Biology, University of Pennsylvania, Philadelphia, Pennsylvania, USA. ²Department of Microbiology, Perelman School of Medicine, University of Pennsylvania, Philadelphia, PA, USA; Institute for Diabetes, Obesity and Metabolism, Perelman School of Medicine, University of Pennsylvania, Philadelphia, PA, USA; Institute for Immunology, Perelman. ³MRC Metabolic Diseases Unit, University of Cambridge, Cambridge, United Kingdom. ⁴Department of Internal Medicine and Medical Specialties (DIMI), University of Genoa, Genoa, Italy. ⁵IRCCS Ospedale Policlinico San Martino, Genoa, Italy. ⁶Department of Biochemistry and Biophysics, University of Pennsylvania, 415 Curie Blvd., Philadelphia, PA 19104-6140, USA. ⁷Laboratory of Translational Nutrition Biology, Institute of Food, Nutrition and Health, Department of Health Sciences and Technology ETH Zurich, Schwerzenbach, Switzerland.

Lavinia Boccia
Department of Biology
Carolyn Lynch Laboratory
433 South University Avenue,
Philadelphia PA 19104
laviniab@sas.upenn.edu

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Amylin receptor expression profile in AgRP neurons: Implication for glucagon regulation

Guillaume Bogaerts, Christina N. Boyle and Thomas A. Lutz

University of Zurich, Institute of Veterinary Physiology

Guillaume Bogaerts
Institute of Veterinary Physiology
University of Zurich
Winterthurerstrasse 260
CH 8057 Zurich
Switzerland
guillaume.bogaerts@uzh.ch

- + - + - + - + - + - + - + - + - + -

Efficacy of the selective orexin 1 receptor antagonist Nivasorexant in binge eating behavior: evidence from a female rat model

Luca Botticelli¹, Michel Alexander Steiner², Giorgio Bergamini², Emanuela Micioni Di Bonaventura¹, Jonh Gatfield², Jodi T Williams², Alexander Treiber², Catherine Vaillant², Maria Vittoria Micioni Di Bonaventura¹, Carlo Cifani¹.

¹Pharmacology Unit, School of Pharmacy, University of Camerino, Camerino, Italy.

²CNS Pharmacology, Idorsia Pharmaceuticals Ltd, Allschwil, Switzerland.

Luca Botticelli
Pharmacology Unit, School of Pharmacy
University of Camerino
Via Madonna delle Carceri 9
62032, Camerino (MC), Italy
luca.botticelli@unicam.it

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A proposal to investigate the effect of weight loss with Tirzeltaide on multimodal measures of brain health.

Alain Dagher, Filip Morys

Montreal Neurological Institute, McGill University

Alain Dagher MD FRCP(C)
Montreal Neurological Institute
3801 University Street
Montreal QC
Canada H3A 2B4
alain.dagher@mcgill.ca

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Novel Melanocortin and Gut-peptide Dual Agonist for Obesity and Diabetes Treatment

Clinton T. Elfers^{1,5}, Kylie S. Chichura^{2,5}, Emily F. Ashlaw^{2,5}, Ginger Mullins¹, Isabella Chavez Miranda², Laura J. den Hartigh³, Matthew R. Hayes⁴, Robert P. Doyle^{2,6}, Christian L. Roth^{1,6}

¹Seattle Children's Research Institute, Seattle WA. ²Syracuse University, Department of Chemistry, Syracuse, NY. ³University of Washington School of Medicine, Seattle, WA. ⁴University of Pennsylvania, Department of Psychiatry, Philadelphia, PA. ^{5,6} These authors contributed equally.

Clinton Elfers
Seattle Children's Research Institute
1900 Ninth Ave
Seattle, WA 98101 USA.
clinton.elfers@seattlechildrens.org

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Effects of food insecurity on risky decision-making and weight gain in male and female rats.

Carrie R. Ferrario, Dominic DeBiasi, and Meena Pandrangi
Department of Pharmacology and Department of Psychology, The University of Michigan,
Ann Arbor, MI, USA, 48104

Carrie R. Ferrario
The University of Michigan
1150 West Medical Center Drive
Ann Arbor, MI, USA 48109
ferrario@umich.edu

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The role of hindbrain GFRAL neurons in the mediation of nausea, emesis and anorexia

Sophia L. Fischer¹, Allison M. Pataro², Thomas A. Lutz¹, Christelle LeFoll¹, Tito Borner²

¹ Institute of Veterinary Physiology, University of Zurich, Switzerland

² Department of Biological Sciences, University of Southern California, USA

Sophia Fischer
Institute of Veterinary Physiology
University of Zurich
Winterthurerstrasse 260
CH 8057 Zurich
Switzerland
Sophia.fischer2@uzh.ch

- + - + - + - + - + - + - + - + - + -

Fasting plasma erythritol concentrations in different populations

Emilie Flad^{1,2}, Anita Altstädt^{1,2}, Jürgen Drewe³, Christoph Beglinger^{1,2}, Bettina K. Wölnerhanssen^{1,2}, Anne Christin Meyer-Gerspach^{1,2}

¹St. Clara Research Ltd, Basel, Switzerland; ²University of Basel, Basel, Switzerland;

³Department of Clinical Pharmacology and Toxicology, University Hospital Basel, Basel, Switzerland

Emilie Flad
St. Clara Research Ltd.
Kleinriehenstrasse 30
CH 4002 Basel
Switzerland
emilie.flad@unibas.ch

- + - + - + - + - + - + - + - + - + -

The Role of Central GIPR Signaling in Modulating Hypophagia and Malaise Induced by GLP-1R Agonists

Serena X. Gao^{1,2}, Allison M. Pataro¹, Sophia L. Fischer¹, Olivia Moody¹, Scott E. Kanoski¹, Tito Borner¹

¹Human and Evolutionary Biology Section, Department of Biological Sciences, University of Southern California, Los Angeles, CA, USA

²Neuroscience Graduate Program, University of Southern California, Los Angeles, CA, USA

Serena Gao
University of Southern California
1230 S Olive St, Apt 522
Los Angeles, CA, 90015, USA
serenaga@usc.edu

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GLP-1 agonism-based obesity pharma: What's sex got to do with it?

Nori Geary

Weill Medical College of Cornell University (Retired), NY, NY USA
Nori Geary
ndg47@hotmail.com

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Association of microstructural parameters of ingestive behavior five years after RYGB with postoperatively achieved body weight loss.

Nicole Jucker, Dr. sc. med. Michele Serra, cand. Med. Jan Han, Prof. Dr. med. Andreas Thalheimer, Prof. Dr. med. Dr. phil. Marco Bueter

Department of Surgery, University Hospital Zurich
Nicole Jucker
Rämistrasse 100
CH-8091 Zurich
Switzerland
nicole.jucker@usz.ch

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Impact of current breeding practices on the health and wellbeing of the mouse dam

Andrea Leuthardt¹, Camille Calmbach¹, Nadja Prebianca¹, Kaya Walo¹, Gaia Serra¹, Madeleine Gries¹, Sander Botter², Rupert Palme³, Bernadetta Tarigan⁴ and Christina Boyle¹

¹ Institute of Veterinary Physiology, Vetsuisse Faculty, University of Zurich, Zurich, Switzerland; ² Swiss Center for Musculoskeletal Imaging SCMI, Balgrist University Hospital, Zurich, Switzerland; ³ Unit of Physiology, Pathophysiology and Experimental Endocrinology, Department of Biomedical Sciences, University of Veterinary Medicine, Vienna, Austria; ⁴ Applied Statistics, Department of Mathematical Modeling and Machine Learning (DM3L), University of Zurich, Zurich, Switzerland

Andrea Leuthardt
Institute of Veterinary Physiology
University of Zurich
Winterthurerstrasse 260
CH 8057 Zurich
Switzerland
andreastephanie.leuthardt@uzh.ch

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Defining the brain feeding circuitry activated by the weight-lowering drugs cagrilintide, semaglutide and CagriSema in mice

Greta Lommi, PD Dr. Christelle le Foll, Prof. Thomas A. Lutz.

Institute of Veterinary Physiology, University of Zurich, Zurich, Switzerland
greta.lommi@uzh.ch

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From Metabolism to Memory: Exploring Amylin's Physiological Role in the Hippocampus

Giulia Mazzini, Gaia Serra, Christelle Le Foll, Thomas A. Lutz

Institute of Veterinary Physiology, Vetsuisse Faculty, University of Zurich, Zurich, Switzerland

Giulia Mazzini
Institute of Veterinary Physiology
University of Zurich
Winterthurerstrasse 260
CH 8057 Zurich
Switzerland
giulia.mazzini@uzh.ch

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Local translation as a molecular mechanism underlying tanycyte-neuron interaction for energy balance regulation

Judith Estrada-Meza, Antoine Rohrbach, Rafik Dali, Tamara Déglise, David Lopez Rodriguez, Nadège Zanou, Fanny Langlet

Langlet Laboratory, Department of Biomedical Sciences, University of Lausanne, Switzerland

Judith Estrada-Meza
Department of Biomedical Sciences
University of Lausanne
Rue de Bugnon 7
CH 1005 Lausanne
Switzerland
judith.estradameza@unil.ch

- + - + - + - + - + - + - + - + - + -

Hypothalamic Astrocyte Signalling: Influences on Food Intake Control and Energy Balance

Keila Navarro i Batista¹, **Christelle Le Foll¹**

¹Institute of Veterinary Physiology, University of Zurich, Switzerland

Keila Navarro i Batista
PhD Student
Institute of Veterinary Physiology
University of Zurich
Winterthurerstrasse 260
CH 8057 Zurich
Switzerland
keila.navarroibatista@uzh.ch

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Kernza as a wheat alternative: impact on episodic meal acceptanc and palatability, and metabolic consequences of long-term consumption

Pawel K. Olszewski, Aaron Bertelink, Lisa Glasgow, Allen S. Levine

Faculty of Science, University of Waikato, Hamilton, NZ; Department of Food Science and Nutrition, University of Minnesota, St. Paul, MN 55113, US

Pawel K. Olszewski,
Faculty of Science, Univ. of Waikato
Gate 9 Hillcrest Rd, Hamilton 3240, NZ
pawel@waikato.ac.nz

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Role of Ephrinb3 in POMC neurons in the control of energy balance

Clémentine Pajot (1), Gwenaël Labouèbe (2), Angélique Vaucher (1), Léa Camelot (1), Esther Landaluce (3), Yann Emmenegger (3), Isabel Lopez-Mejia (3), Manuel Mameli (1), Bernard Thorens (3), Sophie Croizier (1)

University of Lausanne, Lausanne, Switzerland (1) Department of Fundamental Neurosciences, (2) Department of Biomedical Sciences (3) Center of integrative Genomics

Clémentine Pajot
Department of Fundamental
Neurosciences University of Lausanne
Bugnon 9
CH 1015 Lausanne Switzerland
clementine.pajot@unil.ch

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Neuro-metabolic pathway linking high protein meal reducing food craving in humans

Soyoung Q Park, Min Pu, Sergio Oroz Artigas , Anja Ulrich, Jeremy Tardu, Britta Wilms, Berthold Koletzko, Sebastian M. Meyhoefer

Department of Decision Neuroscience and Nutrition, German Institute of Human Nutrition Potsdam-Rehbruecke, Germany
Charité-Universitätsmedizin Berlin, corporate member of Freie Universität Berlin, Humboldt-Universität Berlin, Neuroscience Research Center, 10117 Berlin, Germany
German Center for Diabetes Research (DZD), Munich-Neuherberg, Germany
Institute for Endocrinology & Diabetes, University of Lübeck, Lübeck, Germany
Dr. von Hauner Children’s Hospital, University of Munich Medical Center, Ludwig-Maximilians-Universität Munich, Munich, Germany

Soyoung Q Park
German Institute for Human Nutrition
Arthur-Scheunert Allee 114-116, 14558
Nuthetal, Germany
Neuroscience Research Center, Charité-Universitätsmedizin Berlin,
Charitéplatz 1, 10119 Berlin, Germany
soyoung.park@dife.de; soyoung.park@charite.de

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Associations between physical activity, brain health, cognitive function, and circulating GPLD1 in healthy older (65-85 y) individuals

Eric Ravussin, Adam C. Lowe & Kara L. Marlatt

Pennington Biomedical Research Center; Baton Rouge, LA; USA

Eric.Ravussin@pbrc.edu

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Using gastric overfeeding in mice to understand body weight regulation

Yann Ravussin, Isabelle Scerri

Department of Endocrinology, Metabolism and Cardiovascular System, Section of Medicine, University of Fribourg, Switzerland

Yann Ravussin
EMC Department, Section of Medicine
University of Fribourg
Ch du Musée 5
1700 Fribourg, Switzerland
Yann.ravussin@unifr.ch

- + - + - + - + - + - + - + - + - + - + -

Food Intake in the Absence of GPR160 or During Blockade of CARTp's Action

Rick Samson, Colleen Bocke, Niloufarsadat Mirian, Megan Pater, Grant Kolar, Daniela Salvemini and Gina Yosten

Saint Louis University School of Medicine, St. Louis, MO USA

Willis K. "Rick" Samson
Pharmacology and Physiology
Saint Louis University School of Medicine
1402 South Grand
St. Louis, MO 63104 USA
Samsonwk@slu.edu

- + - + - + - + - + - + - + - + - + - + -

Energy Intake from Macronutrients Follows a Marginal Rate of Substitution

Michele Serra¹, Marco Bueter².

¹Department of General Surgery and Transplantation, University Hospital Zurich, Switzerland
²Department of General Surgery, Hospital Männedorf, Switzerland

University Hospital Zurich
Michele Serra
Rämistrasse 100

CH-8091 Zürich
michele.serra@usz.ch

- + - + - + - + - + - + - + - + - + -

Spatial transcriptomics in three dimensions.

Gina L. C. Yosten, Megan Pater, Grant Kolar, and Willis K. Samson

Department of Pharmacology and Physiology
Saint Louis University School of Medicine

Gina L. C. Yosten, Ph.D.
Department of Pharmacology and Physiology
Saint Louis University School of Medicine
1402 S. Grand Blvd
St. Louis, MO 63104 USA
gina.yosten@health.slu.edu

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Maternal obesity alters materno-fetal iron handling and affect fetal development and offspring iron homeostasis

Jonas Zaugg^{1,2}, Samantha C Lean², Megan Vickers², Alejandro A Candia³, Edina Horvath-Gulacsi², Amanda N Sferruzzi-Perri²

¹Institute of Veterinary Physiology, Vetsuisse Faculty, University of Zurich, Zurich, Switzerland;
²Centre for Trophoblast Research, Department of Physiology, Development and Neuroscience, University of Cambridge, UK; ³Department for the Woman and Newborn Health Promotion, Universidad de Chile, Chile

Jonas Zaugg
Institute of Veterinary Physiology
University of Zurich
Winterthurerstrasse 260
CH 8057 Zurich, Switzerland
jonas.zaugg@uzh.ch