

PROGRAM

First Swiss Winter Conference on Ingestive Behavior

Hotel Laudinella

St. Moritz, Switzerland

28 February – 5 March 2009

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Organizing Committee

**Thomas Lutz, University of Zurich
Nori Geary, ETH Zurich
Wolfgang Langhans, ETH Zurich
Stephen Benoit, University of Cincinnati
Stephen Woods, University of Cincinnati**

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PROGRAM SCHEDULE

**Swiss Winter Conference on Ingestive Behavior
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Alphabetized list of authors and titles follows schedule

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Saturday February 28

- 1500 Registration**
- 1700 Greeting Aperitif**
- 1800 Dinner in the Stüva (Buffet)**

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Sunday March 1

- 0800 *Cordial beinvegni!***
Thomas Lutz
- 0815 **New Perspectives on Reward****
Hans-Ruedi Berthoud
Roger Adan
Elisabet Jerlhag
Sara Landgren
Suzanne Dickson
- 1630 **Coffee, Juice and Gipfeli****
- 1700 **Disordered Eating****
Anton Scheurink
Chantal Nederkoorn
Jennifer Coehlo
Claus Vögele
Gertjan van Dijk
Katherine Halmi
- 2000 **Dinner in the Stüva (4-course menu)****

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Monday March 2

- 0800 **Adiposity****
Deborah Clegg
Patrick Even
Annette de Kloet
Jacqueliën Hillebrand
Viktoria Gloy
Barry Levin

- 1630 **Coffee, Juice and Gipfeli**
 1700 **Reward: From the mouth to the mind**
 Alan Spector
 Leigh Gibson
 Emmanuel Pothos
 Stephen Benoit
 Arie Nieuwenhuizen
 Myrte Merkestein
 2000 **Dinner in the Pizzeria (Cheese Fondue)**

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Tuesday March 3

- 0800 **Gut factors**
 Randall Sakai
 Nicolas Darcel
 Lori Asarian
 Gaylen Edwards
 0945-1000 **Coffee**
 Thomas Lutz
 Tim Moran
 Wolfgang Langhans
 1900 **Special Guest Lecture**
 Roger Unger, MD
 Touchstone/West Distinguished Chair in Diabetes Research Professor
 University of Texas Southwestern Medical Center
*Thriving without any insulin in Type I Diabetes: Revealing the triihormonal
 pathogenesis of the disorder*
 2000 **Dinner in Stüva (Buffet)**

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Wednesday March 4

- 0800 **Nutritional aspects**
 Eric Krause
 Christina Neuner Boyle
 Anneke van Vught
 Rick Hursel
 Stijn Soenen
 Margriet Westerterp-Plantenga
 Eric Ravussin
 1630 **Coffee, Juice and Gipfeli**
 1700 **CNS**
 Thomas Riediger
 Willis Samson
 Marijke de Backer
 Catarina Soares Potes
 David York
 2000 **Dinner in the Stüva (4-course menu)**

Thursday March 5

0800 Think outside the box

Esther van der Zwaal
Kellie Tamashiro
Marcel den Hoed

0930-0945 Coffee, Juice and Gipfeli

Efi Kokkotou
Nori Geary
Steve Woods

1100 *Sin seveser!*

Presenting Authors and Titles

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Roger Adan. Department of Neuroscience and Pharmacology, Rudolf Magnus Institute of Neuroscience, University Medical Center Utrecht, Utrecht, The Netherlands.
Does leptin resistance explain increased motivation for palatable food intake in rats exposed to a comfort diet?

Lori Asarian. Physiology and Behaviour Group, ETH Zurich, Switzerland. **Estrogens and eating: A necessary role for the nucleus tractus solitarii (NTS)**

Stephen C. Benoit. University of Cincinnati, Cincinnati, OH, USA. **Inhibition of midbrain leptin receptor expression augments food reinforced behavior and mesolimbic dopamine in the rat.**

Hans-Rudi Berthoud. Neurobiology of Nutrition Laboratory, Pennington Biomedical Research Center, Louisiana State University System, Baton Rouge, LA, USA.
An expanded view of energy homeostasis: Neural integration of metabolic, cognitive, and emotional drives to eat.

Christina Neuner Boyle. Institute of Veterinary Physiology, University of Zurich, Switzerland. **Analysis of spontaneous eating and drinking patterns during and following the reversal of dehydration (DE) anorexia.**

Deborah J. Clegg. University of Texas Southwestern Medical Center, Touchstone Diabetes Center, Department of Internal Medicine, Dallas, Texas, USA.
Estrogen Regulates Body Fat Distribution.

Jennifer S. Coelho. Department of Clinical Psychological Science, Maastricht University, Maastricht, The Netherlands. **Exposure to fattening foods: Effects on body image and the experience of thought-shape fusion.**

Nicolas Darcel. AgroParisTech, CNRH-IdF, UMR914 Nutrition Physiology and Ingestive Behavior, F-75005 Paris, France & INRA, CNRH-IdF, UMR914 Nutrition Physiology and Ingestive Behavior, F-75005 Paris, France. **Effect of dietary composition on the neuronal activation following peripheral injection of cholecystokinin in mice detected by manganese-enhanced magnetic resonance imaging.**

Marijke de Backer. Rudolf Magnus Institute of Neuroscience, Department of Neuroscience and Pharmacology, University Medical Centre Utrecht, Utrecht, The Netherlands. **Adeno-associated viral (AAV) vectors to locally change (an)orexigenic neuropeptide expression in the brain.**

Annette D. de Kloet. Neuroscience Graduate Program & Department of Psychiatry, University of Cincinnati, Cincinnati, OH, USA. **The effect of angiotensin converting enzyme inhibition using captopril on energy and glucose homeostasis.**

- Marcel den Hoed.** Department of Human Biology, Maastricht University, The Netherlands. **The postprandial responses in hunger and satiety are associated with a genetic variant in the *FTO* gene.**
- Suzanne L Dickson.** Section for Physiology/Endocrinology and ²Section for Pharmacology, Institute of Neuroscience and Physiology, The Sahlgrenska Academy at the University of Gothenburg, SE-405 30 Gothenburg, Sweden. **Ghrelin action at the level of the VTA is important for food exploration and for the consumption of highly palatable food in rodents.**
- Gaylen L. Edwards.** Department of Physiology and Pharmacology, College of Veterinary Medicine, University of Georgia, Athens, GA, 30605, USA. **Potential Role of Cannabinoid-1 (CB-1) Receptors on Nodose Ganglion Neurons.**
- Patrick C. Even.** AgroParisTech, CNRH-IdF, UMR914 Nutrition Physiology and Ingestive Behavior, F-75005 Paris, France. **Some characteristics of energy metabolism in obesity resistant and obesity prone mice and rats.**
- Nori Geary.** Physiology and Behaviour Group, ETH Zurich, Switzerland. **New insights about the role of the midbrain raphe in infection anorexia.**
- Leigh Gibson.** School of Human & Life Sciences, Roehampton University, London, UK. **Dietary sugar intake is inversely related to sweetness perception in women with polycystic ovary syndrome.**
- Viktoria Gloy.** Physiology and Behaviour Group, ETH Zurich, Switzerland. **Leptin and insulin plasma levels do not reflect fat pad mass in rats recovering from forced overweight.**
- Katherine Halmi.** Weill Medical College of Cornell University, New York, NY, USA. **A Model of Allostasis for Conceptualizing Eating Disorders.**
- Jacquelin Hillebrand.** Physiology and Behaviour Group, ETH Zurich, Switzerland. **Plasma levels of 'adiposity signals' do not reflect adiposity in rats recovering from forced underweight.**
- Rick Hursel.** Dept. of Human Biology, Maastricht University, The Netherlands. **Moderators of effects of green tea on body weight regulation.**
- Elisabet Jerlhag.** Section for Pharmacology and ²Section for Physiology/Endocrinology, Institute of Neuroscience and Physiology, The Sahlgrenska Academy at the University of Gothenburg, SE-405 30 Gothenburg, Sweden. **Ghrelin and reward.**
- Efi Kokkotou.** Neuropeptide Research, Division of Gastroenterology, Beth Israel Deaconess Medical Center, Harvard Medical School, Boston, MA, USA. **Hypothalamic neuropeptides regulating feeding behavior: Lessons not learned from the study of knockout mice.**

Eric G. Krause. University of Cincinnati, Department of Psychiatry & Genome Research Institute, Cincinnati OH, USA. **Angiotensin type 1 receptors in the subfornical organ mediate the drinking and hypothalamic-pituitary-adrenal responses to isoproterenol-induced hypotension.**

Sara Landgren, Institute of Neuroscience and Physiology, Department of Pharmacology, Göteborg University, Sweden. **Association of pro-ghrelin and GHS-R1A gene polymorphisms and haplotypes with heavy alcohol-use and body mass.**

Wolfgang Langhans. Physiology and Behaviour Group, ETH Zurich, Switzerland. **Intestinal fatty acid oxidation may affect eating.**

Barry E. Levin. Neurology Service, VA Medical Center, E. Orange, NJ, ²NJ Medical School, Newark, NJ. **Improving central leptin sensitivity as a strategy for treating obesity.**

Thomas Lutz. Institute of Veterinary Physiology, University of Zurich, Switzerland. **Amylin – recent developments in its role in satiation and beyond.**

Myrte Merkestein. Rudolf Magnus Institute of Neuroscience, Department of Neuroscience and Pharmacology, University Medical Center Utrecht, Utrecht, The Netherlands. **What happens in our brain when we get ready for dinner?**

Tim Moran. Johns Hopkins University School of Medicine, Baltimore, MD, USA. **Differential effects of peptide combination on food intake.**

Chantal Nederkoorn. Maastricht University, Faculty of Psychology and Neuroscience, The Netherlands. **Why impulsive people should not go to the supermarket when hungry; the interaction between hunger and impulsivity determines food consumption.**

- Arie Nieuwenhuizen.** Department of Human Biology, Maastricht University, Maastricht, The Netherlands & Top Institute Food and Nutrition, Wageningen, The Netherlands. **Stress affects non-homeostatic regulatory mechanisms of energy intake.**
- Catarina Soares Potes.** Institute of Veterinary Physiology and Zurich Center for Integrative Human Physiology, Zurich University, Zurich, Switzerland. **Noradrenergic neurons of the area postrema mediate amylin's anorectic action.**
- Emmanuel N. Pothos.** Department of Pharmacology and Experimental Therapeutics and Program in Neuroscience, Tufts University School of Medicine, Boston, MA , USA. **The role of central dopamine in hedonic eating and predisposition to dietary obesity.**
- Eric Ravussin.** Pennington Biomedical Research Center, Baton Rouge, LA, USA. **Adiposity and comorbidities: Favorable impact of caloric restriction.**
- Thomas Riediger.** Institute of Veterinary Physiology, University of Zurich, Switzerland. **Amylin is decisive for the development of neuronal projections from the area postrema to the nucleus of the solitary tract.**
- Randall R Sakai.** Department of Psychiatry, University of Cincinnati College of Medicine, Cincinnati, OH, USA. **Effects of amylin on weight gain and body composition following exposure to chronic social stress.**
- Willis K. Samson.** Saint Louis University, St. Louis, MO, USA. **Discovery of neuronostatin, a potent inhibitor of food and water intake in rats.**
- Anton Scheurink.** Department of Neuroendocrinology, CBN, University of Groningen, The Netherlands. **Personality, weight gain and insulin resistance.**
- Stijn Soenen.** Department of Human Biology, Top Institute Food and Nutrition (TIFN), Nutrition and Toxicology Research Institute Maastricht (NUTRIM), Maastricht University, Maastricht, The Netherlands. **Low carbohydrate intake only shows a larger decrease in body weight and fat percentage in the presence of high protein intake.**
- Alan C. Spector.** Department of Psychology and Program in Neuroscience, Florida State University, Tallahassee, FL, USA. **The Psychophysics of Taste Quality in the Rodent Model: Implications for Receptor Processes.**
- Kellie L. K. Tamashiro.** Department of Psychiatry & Behavioral Sciences, Johns Hopkins University School of Medicine, Baltimore, MD, USA. **Mechanisms for altered energy homeostasis in offspring produced by assisted reproductive techniques.**
- Esther van der Zwaal.** Rudolf Magnus Institute for Neuroscience, Dept. Neuroscience and Pharmacology, University Medical Center Utrecht, The Netherlands. **Effects of olanzapine on energy balance in male rats.**

Gertjan van Dijk. CBN, Unit Neuroendocrinology, University of Groningen, The Netherlands. **An allostatic approach towards an understanding of eating disorders.**

Anneke van Vught. Dept. of Human Biology, Maastricht University, The Netherlands. **The somatotropic effect of dietary protein depends on the presence of other macronutrients and on protein source.**

Claus Vögele. Clinical and Health Psychology Research Centre, School of Human and Life Sciences, Roehampton University, UK. **Effects of dietary restriction on cardiac autonomic regulation and stress reactivity in bulimic women.**

Margriet S Westerterp-Plantenga. Department of Human Biology, Maastricht University, and TIFN, The Netherlands. **Gelatin versus casein in single protein diets with either 25 or 10 energy% from protein on energy expenditure, substrate balances and appetite profile.**

Stephen C. Woods. Obesity Research Center, University of Cincinnati, Cincinnati, OH, USA. **The role of adipose tissue vasculature in energy balance and glucose homeostasis.**

David A York. Center for Advanced Nutrition, Utah State University, Logan, Utah, USA. **The amygdala is a site for both Insulin and melanocortin regulation of feeding behavior.**