XXth Annual Meeting of the Society for the Study of Ingestive Behavior

July 10 - 14, 2012
Zurich, Switzerland

SSIB

Society for the Study of Ingestive Behavior

MARK YOUR CALENDARS

SSIB 2013 | July 30 - Aug 3
The Roosevelt - New Orleans, LA, USA

SSIB 2014 - July 29 - Aug 2
The Westin Seattle - Seattle, WA, USA

XXth Annual Meeting of the Society for the Study of Ingestive Behavior

SSIB

Society for the Study of Ingestive Behavior

PRESIDENT'S MESSAGE

Dear SSIB Community:

It is my great pleasure to welcome you to the 2012 SSIB meeting in Zurich. This year's meeting is a special meeting because we can celebrate two important anniversaries at once. The year 2012 marks the 25th anniversary of SSIB's existence, and it marks the 20th SSIB annual meeting. SSIB can be proud of its many achievements over the past 25 years. SSIB began with Harry Kissileff, Anthony Sclafani, Carol Maggio and Suzanne Sunday as incorporators. The first President (and our long time Honorary board member) Harry Kissileff was supported by the first President-Elect Steve Woods, and we are proud that Eliot Stellar was among the first leaders of our society. The first independent SSIB meeting was held in 1992 and was organized by Bart Hoebel in Princeton. Now, 20 years later, I am extremely pleased to see how well SSIB developed into a society of vibrant research activities and with a large number of wonderful and supportive members.

The program committee headed by Alan Watts and seconded by Suzanne Higgs and Matthew Hayes did a marvelous job to come up with a full schedule of presentations. The state-of-the art lectures of our "Mars series", the symposia and the research abstracts make proof of the tremendous research activities done by SSIB members and the attendees of our annual meeting. I am sure you will agree with me that SSIB was again able to come up with a scientific program that combines top class basic animal and human research in ingestive behavior and to assemble the world leaders in the field. The program also offers sessions dedicated to professional development, meet-the-professor, and an industry-sponsored lunch.

SSIB would have a limited half-life without contributions from our young researchers. As every year, the program committee received a large number of excellent submissions from our young predoctoral students and early post-docs. The support of our young generation is one of the most important features of SSIB to me and I am happy that we were again able to support a number of our young investigators with the "new investigator travel award". The committee choosing the NITA winners was headed by our President-Elect Linda Rinaman, and I want to take the opportunity to thank Linda for her work. Next to the NITA awards, SSIB continues its tradition to grant the "early career" Alan N. Epstein Reward Award to Gorica Petrovic and the Distinguished Career Award

to SSIB's first President-Elect Steve Woods. Gorica's work helps us understand how cognitive processes in the telencephalon can interface with circuits in the hypothalamus and hindbrain to control feeding behavior; again, I thank Linda and her committee for her work to select this year's awardee. Steve's accomplishments are just too numerous to be mentioned here. Come and listen to his presentation during the awards session on Saturday afternoon! For the second time in 2012, SSIB is also proud to grant the Hoebel Award for Creativity; this year, it will be given to one of our most eminent colleagues, Harvey Grill. Harvey's work helps us understand the important role of the hindbrain in ingestive behavior; his work helps to keep our view balanced in a sometimes a bit hypothalamocentric world. Two more awardees will only be selected during the meeting, i.e. the Gerard P. Smith award for best graduate student presentation and the Research Diet award for the best postdoctoral fellow presentation.

Finally, let me thank the many people that actually help to make SSIB and its annual meeting happen. SSIB would not function without the dedication and help of our board, our committee members and our executive manager Jamie Price with her team. My local colleague Wolfgang Langhans and his secretary Ruth Hauser were indispensable for the local organization of the meeting at "their" university (Swiss Federal Institute of Technology; ETH) rather than at "my" university (University of Zurich; UZH). We also thank the very generous financial support of our members, non-corporate grants and corporate sponsors. Their contribution is gratefully appreciated.

I look forward to an exciting week of hearing the latest developments in research and discovery, and we should of course not forget the social aspect to meet excellent friends and colleagues. Enjoy Zurich!

Best Regards,

Thomas Lutz, Ph.D.

GENERAL INFORMATION

DATES

The XXth Annual Meeting of the Society for the Study of Ingestive Behavior begins Tuesday, July 10, 2012, and adjourns Saturday, July 14, 2012.

REGISTRATION INFORMATION

Name badges and final programs will be distributed at the Registration Desk. The Registration Desk is located in Foyer and will be open during the following hours:

Tuesday	4:00 PM - 8:00 PM
Wednesday	7:30 AM - 6:00 PM
Thursday	7:45 AM - 6:00 PM
Friday	7:45 AM - 6:00 PM
Saturday	7:45 AM - 5:00 PM

SPEAKER READY AREA

The speaker ready area will be available to all oral presenters to both preview and edit your presentations if necessary. The speaker ready area is located at the Registration Desk. Additional information for Oral and Poster Presenters may be found on pages 18-19.

NO PHOTOGRAPHY POLICY

The Organizing Committee has decided that photography is not allowed except for official conference photographers.

MOBILE (CELLULAR) TELEPHONES

As a courtesy to others, please switch off mobile telephones during all sessions.

LOST AND FOUND

All lost and found articles will be held at the conference registration desk.

COFFEE BREAKS

Coffee breaks will be available each morning and afternoon in the Galerie.

EXHIBITS

The Exhibit Hall is located in the Galerie and will be open during the following hours:

Wednesday, July 11

10:30 AM – 11:00 AM	(Coffee Break)
12:00 PM – 1:30 PM	(Lunch)
3:30 PM – 4:00 PM	(Coffee Break)
6:00 PM – 8:00 PM	(Poster Session)

Thursday, July 12

10:30 AM – 11:00 AM	(Coffee Break)
12:00 PM – 1:30 PM	(Lunch)
3:30 PM – 4:00 PM	(Coffee Break)
6:00 PM – 8:00 PM	(Poster Session)

Friday, July 13

10:30 AM – 11:00 AM	(Coffee Break)
12:00 PM – 4:00 PM	(Lunch)
6:00 PM – 8:00 PM	(Poster Session)

Saturday, July 14

10:30 AM – 11:00 AM	(Coffee Break)
12:00 PM – 2:30 PM	(Lunch)

SSIB OFFICERS

Thomas Lutz, Ph.D.
Vetsuisse Faculty
University of Zurich
PRESIDENT

Linda Rinaman, Ph.D.
University of Pittsburgh
PRESIDENT-ELECT

Allen Levine, Ph.D.
University of Minnesota, CFANS
PAST-PRESIDENT

Suzanne Higgs, Ph.D.
University of Birmingham
SECRETARY

Ruth Harris, Ph.D.
Georgia Health Sciences University
TREASURER

SSIB BOARD MEMBERS

Joanne Cecil, Ph.D.
University of St. Andrews

Derek Daniels, Ph.D.
University of Buffalo, SUNY

Matthew Hayes, Ph.D.
University of Pennsylvania

Alan Kim Johnson, Ph.D.
University of Iowa

David Levitsky, Ph.D.
Cornell University

Dana Small, Ph.D.
Yale University

Daniel Tome, Ph.D.
AgroParis Tech

Aron Weller, Ph.D.
Bar-Ilan University

Harry R. Kissileff, Ph.D.
Columbia University
(Honorary Board Member)

Clare Mathes, Ph.D.
Florida State University
(Student Representative)

SSIB 2012 PROGRAM CHAIR

Alan Watts, DPhil
University of Southern California
Los Angeles, CA, USA

SSIB 2012 PROGRAM COMMITTEE

Track Chairs

Matt Hayes, Ph.D.
University of Pennsylvania, Philadelphia, PA, USA
2012 - TRACK 1 CHAIR

Suzanne Higgs, Ph.D.
University of Birmingham, Birmingham, UK
2012 - TRACK 2 CHAIR

Committee Members

Derek Daniels, Ph.D., University of Buffalo, Buffalo, NY, USA (2012)

Tanja Kral, Ph.D., University at Pennsylvania, Philadelphia, PA, USA (2012) Social/Behavioral/ Clinical

Michelle Lee, BSc, DPhil, Swansea University, Swansea, UK (2013) Integrative Physiology

Nu-Chu Liang, Ph.D., Johns Hopkins University, Baltimore, MD, USA (2012) Integrative Physiology

Wolfgang Langhans, DVM, ETH Zurich, Schwerzenbach, Switzerland (2012) Integrative Physiology

Helen Raybould, Ph.D., UC Davis School of Veterinary Medicine, Davis, CA (2013) Integrative Physiology

Mitch Roitman, Ph.D., University of Illinois at Chicago, IL, USA (2013)

Kellie Tamashiro, Ph.D., Johns Hopkins University, Baltimore, MD, USA (2012)

Jennifer Temple, Ph.D., University of Buffalo, Buffalo, NY, USA (2012)

LONG RANGE PLANNING COMMITTEE

Alan Spector, Ph.D. Florida State University, Tallahassee, FL, USA (2012; CHAIR)

Susanne Ia Fleur, Ph.D., Academic Medical Center, Amsterdam, Netherlands (2013)

Barry Levin, MD, New Jersey Medical School, Newark, NJ, USA (2013)

Timothy Moran, Ph.D., Johns Hopkins University School of Medicine, Baltimore, MD, USA (2013)

Kevin Myers, Ph.D., Bucknell University, Lewisburg, PA, USA (2013)

Helen Raybould, Ph.D., UC Davis School of Veterinary Medicine, Davis, CA, USA (2013)

Dana Small, Ph.D. Clin, MSc, Yale University, New Haven, CT, USA (2013)

EXHIBITOR/SPONSOR DIRECTORY

CORPORATE BENEFACTOR

Mars, Incorporated

Mars, Incorporated, is a private, family-owned company founded in 1911 employing 70,000 associates at more than 300 sites. Mars, Incorporated is one of the world's largest food companies operating in six segments that produce some of the world's leading brands. Popular Mars, Incorporated brands include: Chocolate – M&M'S®, SNICKERS®, DOVE®, GALAXY®, MARS®, MILKY WAY® and TWIX®; Petcare – PEDIGREE®, WHISKAS®, SHEBA®, CESAR® and ROYAL CANIN®; Wrigley – ORBIT®, EXTRA®, STARBURST®, DOUBLEMINT® and SKITTLES®; Food – UNCLE BEN'S®, DOLMIO®, EBLY®, MASTERFOODS® and SEEDS OF CHANGE®; Drinks – KLIX® and FLAVIA®; Symbioscience – WISDOM PANEL™ MX, SERAMIS®, and COCOAPRO™.

NovoNordisk

Novo Nordisk is a world leader in diabetes innovation. Our legacy in novel protein therapeutics began in 1923 and continues today with our expertise in engineering therapeutic proteins to improve the lives of people living with diabetes, obesity and other chronic diseases. Our mission is to innovate tomorrow's biologics therapies; we are committed to supporting and collaborating with academic research institutions to explore new approaches to effective treatments of diabetes and obesity.

Research Diets, Inc.

Research Diets, Inc. formulates and produces purified OpenSource Diets® for laboratory animals. Our nutrition scientists consult on custom diet formulations. The BioDAQ® Food and Liquid Intake Monitor features spill-reducing hoppers, mounts to home cage, records the time, duration, amount of each meal automatically. Data is interpreted using powerful analysis software.

EXHIBITOR/SPONSOR DIRECTORY

Sanofi-Aventis Groupe

Sanofi strives to help people manage the complex challenge of diabetes by delivering innovative, integrated and personalized solutions. Driven by valuable insights that come from listening to and engaging with people living with diabetes, the Company is forming partnerships to offer diagnostics, therapies, services, and devices including innovative blood glucose monitoring systems. Sanofi markets both injectable and oral medications for people with type 1 or type 2 diabetes. Investigational compounds in the pipeline include an injectable GLP-1 agonist being studied as a single agent, in combination with basal insulin, and/or in combination with oral antidiabetic agents.

TSE

NewBehavior/TSE Systems offer highly flexible, integrated modular research systems for comprehensive automated in-vivo monitoring: Metabolism, Physiology, Behavior, Neuroscience, Pharmacology, and Inhalation Toxicology for animal models such as drosophila, zebrafish, rodents, cats or dogs.

CORPORATE SPONSORS

Ajinomoto North America, Inc.

Ajinomoto is a globally recognized leader in food and amino acid production technology. Using the potential of amino acids like glutamate, our goal is not merely to make food everywhere taste better, but to take a scientific approach to improving diets for wellness and seek out solutions to the nutritional, medical and environmental issue we all face.

EXHIBITOR/SPONSOR DIRECTORY

Amylin

Amylin Pharmaceuticals is a biopharmaceutical company dedicated to improving lives of patients through the discovery, development and commercialization of innovative medicines. Amylin is committed to delivering novel therapies that transform the way diabetes and other metabolic disorders are treated. Amylin is headquartered in San Diego, Calif., and has a commercial manufacturing facility in Ohio.

The Coca-Cola Company

The Coca-Cola Company is the world's largest beverage company, refreshing consumers in more than 200 countries with more than 500 sparkling and still brands. We provide great-tasting beverages and believe in offering options so people can decide which of our beverages best suit their needs and lifestyle. Our beverage portfolio includes the world's most valuable brand, Coca-Cola, as well as Fanta®, Sprite®, glaceau vitaminwater™, Powerade®, Minute Maid®, and Simply®. Globally, we are the No. 1 provider of sparkling beverages, juices and juice drinks and ready-to-drink teas and coffees. We offer more than 800 low- and no-calorie products, and we continue to build our innovation pipeline to meet consumers' needs for enjoyment, nutrition, refreshment and hydration.

EXHIBITOR/SPONSOR DIRECTORY

Elsevier

A global company headquartered in Amsterdam, Elsevier publishes around 2000 journals and close to 20,000 books and major reference works. The company is a founding publisher of global programs providing free or low cost access to science and health information in the developing world.

GlaxoSmithKline Consumer Healthcare

CORPORATE DONORS

Bristol-Myers Squibb

Bristol-Myers Squibb is a global biopharmaceutical company firmly focused on its mission is to discover, develop and deliver innovative medicines that help patients prevail against serious diseases. Around the world, our medicines help millions of people in their fight against such diseases as cancer, cardiovascular disease, diabetes, hepatitis B, HIV/AIDS, psychiatric disorders and rheumatoid arthritis.

EXHIBITOR/SPONSOR DIRECTORY

OFFICIAL/INSTITUTIONAL SPONSORS

Canton of Zurich
The Canton of Zurich is a canton of contrasts, while also reconciling differences, such as the vibrant city life and the idyllic countryside, regional character and international resonance, tradition and modern times.

Swiss Academy of Medical Sciences
Engaged in science and research politics, the SAMS provides expert activity for the attention of politicians and authorities. We comprehensively reflect the future of medicine and promote the professional training of the coming generation of scientists. Moreover, we focus on the clarification of ethical questions concerning medical developments and their social impact

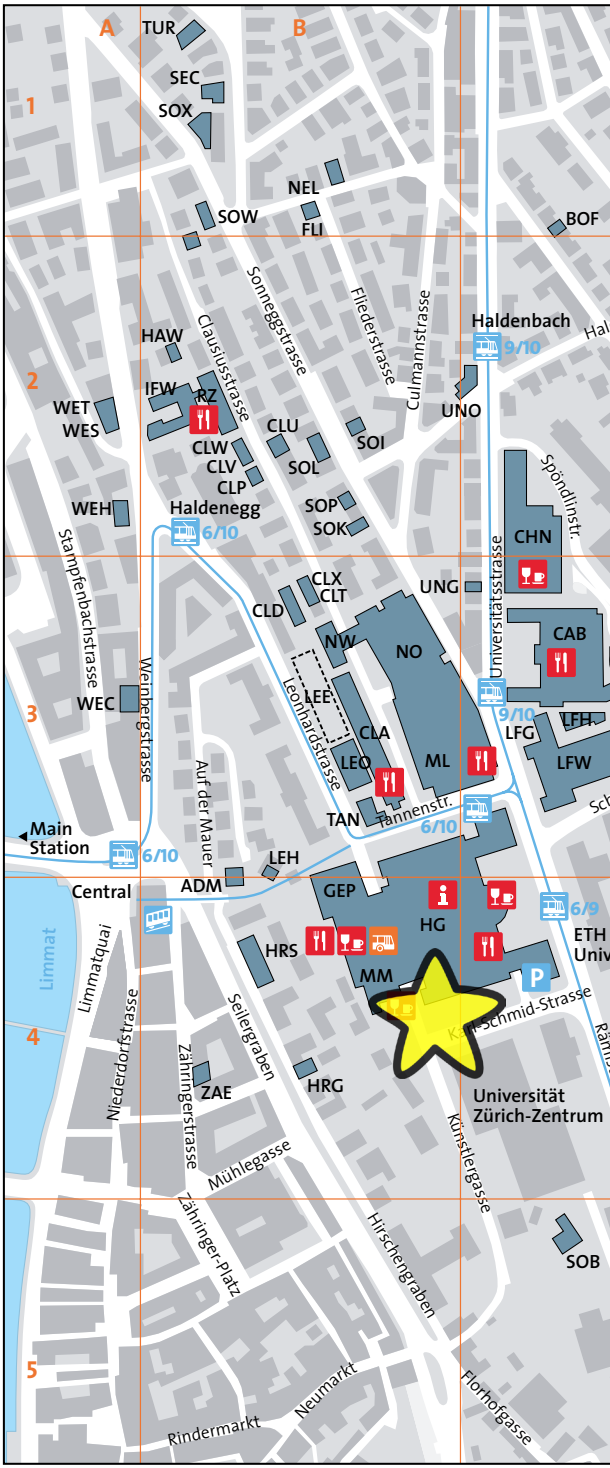
ZIHP – University of Zurich
The Zurich Center for Integrative Human Physiology (ZIHP) is a interdisciplinary center of competence of the University of Zurich. Integrative physiology combines research on the levels of molecules, cells, organs and the whole organism with the aim to bring into focus the complex functions of the human body.

Swiss National Science Foundation

The City of Zurich

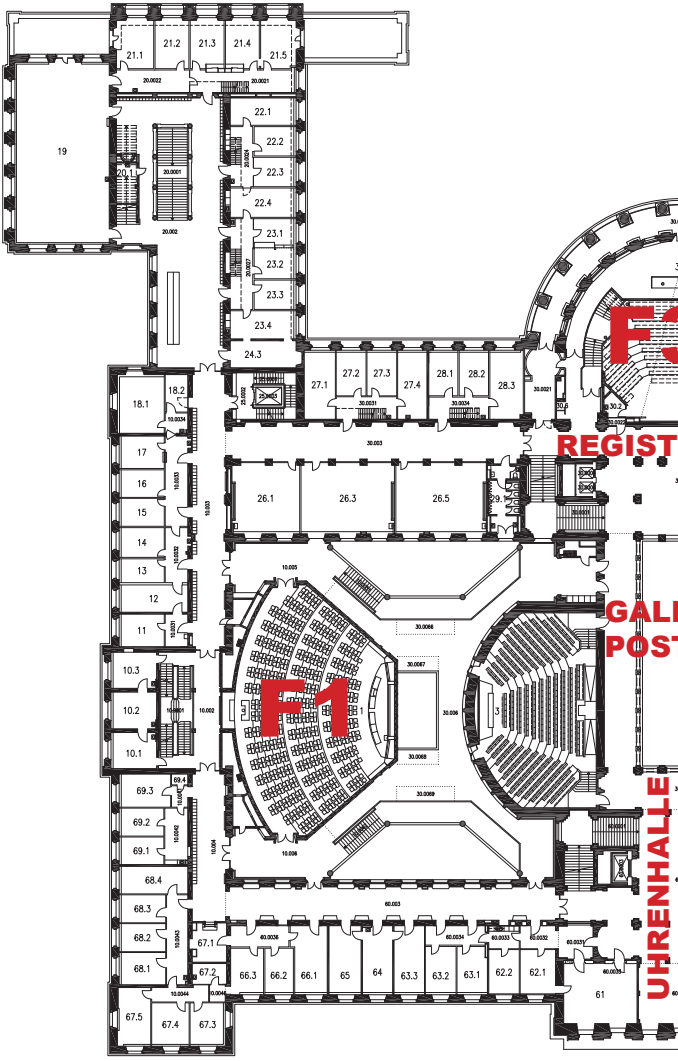
ETH Zurich

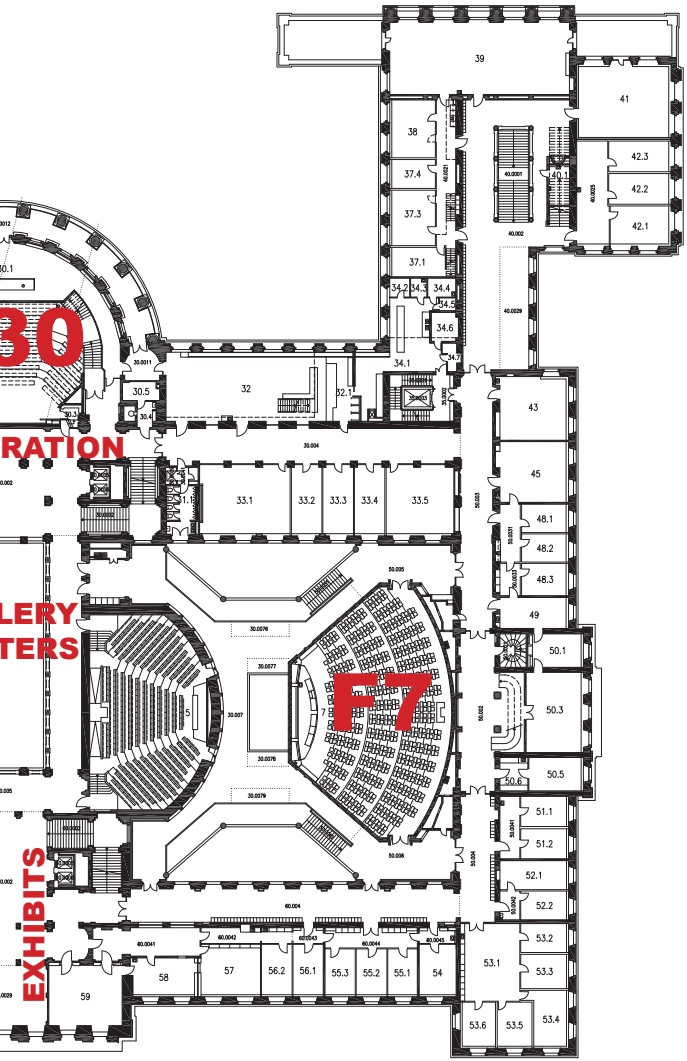
ETH ZURICH - CAMPUS MAP




C
D
E
VOG
HUT
denbachstrasse
HAD
Gladbachstrasse
Siriusstrasse
Hochstrasse
Schmelzbergstrasse
Bolleystrasse
Voltastrasse
Uni Spital Nord
HCA
HCW
HCB
HCH
VOC
VOB
VOA
HAC
HAA
ETL
Physikstrasse
ETA
ETZ
ETF
VAW
CNB
STW
STS
LFO
LFV
melzbergstrasse
Sternwartstrasse
Gloriastrasse
Universitätsspital
6/5
Zoo ▸
Voltastr.
Zentrum/
versitätsspital
Moussonstrasse
Rotkreuzspital
Gloriastrasse
6/5
Platte
Pestalozzistrasse
Freiestrasse
Kantonsschule
Zürichbergstrasse
ZUE
Plattenstrasse
9/5
Bellevue ▾

ETH ZURICH - MAIN BUILDING (HG)




30
RATION
LERY
TERS
EXHIBITS
F7
39
41
38
37.4
37.3
37.1
42.3
42.2
42.1
34.1
32
43
45
48.1
48.2
48.3
49
50.1
50.3
50.5
51.1
51.2
52.1
52.2
53.2
53.3
53.4
33.1
33.2
33.3
33.4
33.5
58
57
56.2
56.1
55.3
55.2
55.1
54
59
53.1
53.5
53.6

INSTRUCTIONS TO ORAL PRESENTERS

OVERVIEW

Speakers may bring their presentations to the Registration Area on any of the following mediums:

CD-ROM
DVD-ROM
USB Storage Device
A Laptop (additional time will be required for data transfer)

If your talk contains multimedia files, please be sure to bring those files to the conference in case they have to be re-inserted into your presentation.

AT THE MEETING

Speakers should arrive at least 15 minutes prior to their session to introduce themselves to the session chair. DO NOT BRING YOUR LAPTOP to the session room. A/V staff will not be able to connect your laptop.

The computers in the presentation rooms will be Microsoft Windows-based computers with Microsoft PowerPoint (Office 2007 version) installed. PowerPoint (.ppt or .pptx) is the required program for all users. [Please note that Internet access will not be available during your presentation or in the Speaker Ready Area.]

A NOTE TO APPLE MACINTOSH USERS

Mac users should not use “drag-and-drop” to insert pictures and video files. Most problems, such as the infamous “red x” are the result of this. Using the “INSERT” command from the menu will virtually eliminate these issues. The PowerPoint file must have the .ppt or .pptx suffix to be accepted. As noted above, QuickTime movies (.MOV) must be converted to a PC compatible format before submission.

INSTRUCTIONS TO POSTER PRESENTERS

As a Poster Presenter you have the following responsiblities while at the meeting:

1. Find your assigned poster session and number using the Author Index that begins on Page 76.

There are three poster sessions:

Poster Session 1
Wednesday 6:00 PM - 8:00 PM

Poster Session 2
Thursday 6:00 PM - 8:00 PM

Poster Session 3
Friday 6:00 PM - 8:00 PM

2. Mount your poster ON THE DAY of your presentations between 7:45 AM and 6:00 PM. Please note that all posters must be mounted before each poster session begins.

3. Be present at your poster during the poster session to present your work.

4. Remove your poster at the conclusion of the poster session. Any posters not removed at the conclusion of the poster session may be discarded.

Please visit the Registration Desk if you have any questions regarding your presentation.

AWARD RECIPIENTS

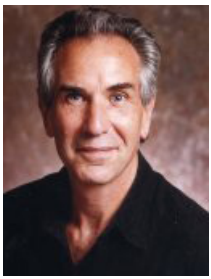
DISTINGUISHED CAREER AWARD

STEPHEN WOODS, PH.D.
Department of Psychiatry
University of Cincinnati

ALAN N. EPSTEIN RESEARCH AWARD

GORICA PETROVICH, PH.D.
Department of Psychology
Boston College

HOEBEL PRIZE FOR CREATIVITY



HARVEY GRILL, PH.D.
Department of Psychology
University of Pennsylvania

NEW INVESTIGATOR TRAVEL AWARDS (NITA)
(listed alphabetically)

Amber Alhadeff, University of Pennsylvania, USA

Dana Briggs, Monash University, Australia

Carlos Campos, Washington State University, USA

Amanda Dossat, Florida State University, USA

Stephanie Ebner, University of Illinois at Chicago, USA

Alice Ely, Drexel University, USA

Maartje Geraedts, Ph.D., University of Maryland School of Medicine, USA

Scott Kanoski, Ph.D., University of Pennsylvania, USA

Nu Chu Liang, Ph.D., Hopkins University, USA

Jamey Maniscalco, University of Pittsburgh, USA

Joram Mul, Ph.D., University of Cincinnati, USA

Carolyn Pritchett, Penn State University, USA

Amy Ryan, University of Adelaide, Australia

Derek Snyder, Ph.D., Yale University, USA

Linda Verhagen, Ph.D., Institute for Genetics, Germany

Sponsored in part by: Research Diets, Sanofi, and Swiss National Science Foundation

PROGRAM SUMMARY - TUESDAY

Opening Reception
5:30 - 7:30 PM (ETH Dozentenfoyer - Main Building HG)

PROGRAM SUMMARY - WEDNESDAY

Opening Greetings
8:00 - 8:30 AM ("Audi Max" HG F 30)

Symposium 1: Presidential - Descending Control of Energy Homeostasis
8:30 - 10:30 AM ("Audi Max" HG F 30)

Break
10:30 - 11:00 AM (Galerie)

Mars Lecture - Lee Kaplan
11:00 - 12:00 PM ("Audi Max" HG F 30)

Ajinomoto Lunch (pre-registration required)
12:00 - 1:30 PM ("Semper Aula" HG G 60)

NITA Symposium (Travel Awards)
1:30 - 3:30 PM ("Audi Max" HG F 30)

Break
3:30 - 4:00 PM (Galerie)

Oral 1: Vagal and Hindbrain Mediated Mechanisms
4:00 - 6:00 PM (HG F 7)

Symposium 2: Eating Behavior in Children: The Role of Individual Differences
4:00 - 6:00 PM (HG F 1)

Poster Session 1
6:00 - 8:00 PM (Galerie)

PROGRAM SUMMARY - THURSDAY

Symposium 3: Hypothalamic Sensing in the Regulation of Thirst
8:30 - 10:30 AM (HG F 1)

Symposium 4: The Effect of Food Cues on Appetite: From Expectations to Habits
8:30 - 10:30 AM (HG F 7)

Break
10:30 - 11:00 AM (Galerie)

Mars Lecture - Joel Elmquist
11:00 - 12:00 PM ("Audi Max" HG F 30)

Postdoc Luncheon
12:00 - 1:30 PM (Registration Area)

Symposium 5: Dysregulated Sleep, Energy Balance and Obesity
1:30 - 3:30 PM ("Audi Max" HG F 30)

Break
3:30 - 4:00 PM (Galerie)

Oral 3: Gastrointestinal Nutrient Influences
4:00 - 6:00 PM (HG F 7)

Oral 2: Reward, Reinforcement, and Food Seeking
4:00 - 6:00 PM (HG F 1)

Poster Session 2
6:00 - 8:00 PM (Galerie)

PROGRAM SUMMARY - FRIDAY

Oral 4: Early Life Influences on Ingestive Behavior and Obesity
8:30 - 10:30 AM (HG F 7)

Symposium 6: Central Nutrient Sensing
8:30 - 10:30 AM (HG F 1)

Break
10:30 - 11:00 AM (Galerie)

Mars Lecture - Stephen Woods
11:00 - 12:00 PM ("Audi Max" HG F 30)

Professional Development Symposium
12:00 - 1:30 PM ("Semper Aula" HG G 60)

Oral 5: Assorted Topics in Ingestive Behavior
4:00 - 6:00 PM (HG F 1)

Oral 6: Chemical Senses
4:00 - 6:00 PM (HG F 7)

Poster Session 3
6:00 - 8:00 PM (Galerie)

PROGRAM SUMMARY - SATURDAY

Symposium 7: Gut Microbiota: Invasion of the Body Snatchers
8:30 - 10:30 AM (HG F 1)

Symposium 8: Perceptions and Neural Processing of Taste
8:30 - 10:30 AM (HG F 7)

Break
10:30 - 11:00 AM (Galerie)

Mars Lecture - Giacomo Rizzolatti
11:00 - 12:00 PM ("Audi Max" HG F 30)

P&B / Appetite Editorial Board Meeting (Elsevier)
12:00 - 2:30 PM (CLA J 1)

Meet the Professor Lunch
12:30 - 2:00 PM (Registration Area)

Awards Session
2:30 - 4:15 PM ("Audi Max" HG F 30)

Business Meeting
4:15 - 5:15 PM ("Audi Max" HG F 30)

Banquet
7:30 - 12:00 AM (Swissotel)

TUESDAY, JULY 10 - PM

4:00 - 8:00 PM	Foyer
Registration Open	

5:30 - 7:30 PM	ETH Dozentenfoyer
Opening Reception	

Located in the Main Building (HG) which is indicated by a gold star on the campus map (pp. 14-15).

WEDNESDAY, JULY 11 - AM

8:00 - 8:30 AM "Audi Max" HG F 30

Opening Greetings

Chair(s): Thomas Lutz

1 **25 Year Anniversary of SSIB**
THOMAS LUTZ[1], HARRY KISSILEFF[2]
[1]President of SSIB, [2]First President of SSIB

8:30 - 10:30 AM "Audi Max" HG F 30

Symposium 1: Presidential - Descending Control of Energy Homeostasis

Chair(s): Thomas Lutz

8:30
2 **Optogenetic & Pharmacogenetic Deconstruction of Hypothalamic Feeding Circuits**
SM STERNSON
Janelia Farm Research Campus, HHMI, Ashburn, VA, USA

9:00
3 **Thermoregulatory Leptin Action via the Dorsomedial Hypothalamus and Control of Energy Expenditure**
H MUENZBERG
Pennington Biomedical Research Center, Baton Rouge, LA, USA

9:30
4 **Role of Dorsomedial Hypothalamic NPY in Energy Balance Control**
S BI
Department of Psychiatry and Behavioral Sciences, Johns Hopkins University School of Medicine, Baltimore, MD, USA

10:00
5 **Food Ingestion, Brown Adipose Tissue (BAT) Thermogenesis, and the Ultradian Basic Rest-Activity Cycle**
WW BLESSING
Flinders University, Adelaide, Australia

WEDNESDAY, JULY 11 - AM/PM

10:30 - 11:00 AM — Galerie

Coffee Break

11:00 - 12:00 PM — "Audi Max" HG F 30

Mars Lecture - Lee Kaplan

Chair(s): Helen Raybould

6 **The Complex Physiology Of Bariatric Surgery**
Lee Kaplan
Boston, USA

12:00 - 1:30 PM — "Semper Aula" HG G 60

Ajinomoto Lunch (preregistration required)

1:30 - 3:30 PM — "Audi Max" HG F 30

NITA Symposium (Travel Awards)

Sponsored in part by Sanofi, Swiss National Science Foundation, and Research Diets

Chair(s): Linda Rinaman

1:30 7 **NMDA Receptor Blockade Prevents CCK-Induced Reduction of Food Intake and ERK-Mediated Synapsin Phosphorylation in NTS Vagal Afferent Terminals.**
CA CAMPOS, H SHIINA, M SILVAS, RC RITTER
Washington State University, Pullman, WA, USA

1:45 8 **Nucleus Accumbens Phasic Dopamine Signals Reward Prediction Rather Than Action Selection**
SR EBNER, JD ROITMAN, AA AMAYA, MF ROITMAN
University of Illinois at Chicago, Chicago, IL, USA

2:00 9 **Ghrelin Signaling in the Ventral Hippocampus Stimulates Learned and Motivational Aspects of Feeding via PI3K-Akt Signaling**
SE KANOSKI, SM FORTIN, KM RICKS, HJ GRILL
Department of Psychology, University of Pennsylvania, Philadelphia, PA, USA

WEDNESDAY, JULY 11 - PM

NITA Symposium (continued)

2:15 10 **Effect Of Vertical Sleeve Gastrectomy In Melanocortin Receptor 4-Deficient Rats**
JD MUL[1], DP BEGG[1], SIM ALTERS[2,3], G VAN HAAFTEN[2], KJ DURAN[2], DA D'ALESSIO[1], CW LE ROUX[3], SC WOODS[1], DA SANDOVAL[1], AIF BLAKEMORE[3], E CUPPEN[4], MM VAN HAELST[2,3], RJ SEELEY[1]
[1]Metabolic Diseases Institute, University of Cincinnati, Cincinnati, OH, USA, [2]University Medical Center Utrecht, Utrecht, Netherlands, [3]Dept. of Investigative Medicine, Hammersmith Hospital, Imperial College London, London, United Kingdom, [4]Hubrecht Institute-KNAW and University Medical Center Utrecht, Utrecht, Netherlands

2:30 11 **The Development And Cause Of Ghrelin Resistance In NPY/AgRP Neurons During High-Fat Diet Feeding**
DI BRIGGS[1], MB LEMUS[1], HA COLEMAN[1], R STARK[1], PJ ENRIORI[1], J BENZLER[2], MA COWLEY[1], A TUPS[2], HC PARKINGTON[1], ZB ANDREWS[1]
[1]Monash University, Melbourne, Australia, [2]Philipps University, Marburg, Germany

2:45 12 **Arcuate Nucleus Controlled Locomotor Activity And Glucose Metabolism Is Depending On Melanocortin Signalling**
LAW VERHAGEN, A MESAROS, J ALBER, HS BRONNEKE, JC BRUENING
Department of Mouse Genetics and Metabolism, Institute for Genetics, Cologne, Germany

3:00 13 **Comparative Effects Of Intraduodenal Lipid And Protein On Gut Hormones, Glycemic Control And Energy Intake In Healthy Males**
AT RYAN, ND LUSCOMBE-MARSH, AA SAIES, M HOROWITZ, S STANDFIELD, C FEINLE_BISSET
University of Adelaide, Discipline of Medicine, Adelaide, Australia

3:15 14 **Regional Taste Loss Disinhibits Intact Oral Sensations And May Induce Weight Gain**
DJ SNYDER, HN LOGAN, LM BARTOSHUK
Dentistry, University of Florida, Gainesville, FL, USA

3:30 - 4:00 PM Galerie

Coffee Break

WEDNESDAY, JULY 11 - PM

4:00 - 6:00 PM HG F1

Symposium 2: Eating Behavior in Children: The Role of Individual Differences

Chair(s): Marion Hetherington

4:00 23 **Individual Differences In Children's Susceptibility To Overeating In Obesogenic Environments**
TVE KRAL
University of Pennsylvania Schools of Nursing and Medicine, Philadelphia, PA, USA

4:30 24 **Appetitive Traits In Infancy, Childhood And Adolescence: A Multi-Method Approach To Exploring Individual Differences**
S CARNELL
New York Obesity Nutrition Research Center, New York, NY, USA

5:00 25 **Intrinsic And Extrinsic Influences On Children's Acceptance Of New Foods**
JM BLISSETT
School of Psychology, University of Birmingham, Birmingham, United Kingdom

5:30 26 **Pathways To Obesity: Contribution Of Common Gene Polymorphisms To Child Eating Behaviour**
JE CECIL
School of Medicine, University of St Andrews, St Andrews, Scotland

WEDNESDAY, JULY 11 - PM

4:00 - 6:00 PM HG F7

Oral 1: Vagal and Hindbrain Mediated Mechanisms

Chair(s): Lori Asarian

4:00 15 **Leptin Resistance In Vagal Afferent Neurons Drives Hyperphagia**
G DE LARTIGUE, CC RONVEAUX, HE RAYBOULD
UC Davis, Davis, CA, USA

4:15 16 **Deciphering A Neuronal Circuit That Mediates Appetite**
Q WU[1], MS CLARK[2], RD PALMITER[3]
[1]Department of Pharmacology, University of Iowa College of Medicine, Iowa City, IA, USA, [2]Department of Psychiatry & Behavioral Sciences, University of Washington, Seattle, WA, USA, [3]Department of Biochemistry, University of Washington, Seattle, WA, USA

4:30 17 **Food Intake Reductions And Increases In Energetic Responses By Hindbrain Leptin And Melanotan Ii Are Enhanced In Mice With POMC-Specific PTP1B Deficiency**
BC DE JONGHE, MR HAYES, SE KANOSKI, DJ ZIMMER, HJ GRILL, KK BENCE
University of Pennsylvania, Philadelphia, PA, USA

4:45 18 **Obesity Induced Suppression Of Gastric Satiety Signals Are Not Reversed By Dietary Change**
S KENTISH[1], T O'DONNELL[2], G WITTERT[1], A PAGE[1,2]
[1]University of Adelaide, Adelaide, Australia, [2]Royal Adelaide Hospital, Adelaide, Australia

5:00 19 **NITA AWARD RECEPIENT**
The Control Of Food Intake By mNTS Leptin-Receptor Expressing Neurons May Involve Monosynaptic Communication With Hypothalamic And Mesolimbic Nuclei
AL ALHADEFF, SE KANOSKI, MR HAYES, HJ GRILL
Departments of Psychology and Psychiatry, University of Pennsylvania, Philadelphia, PA, USA

WEDNESDAY, JULY 11 - PM

5:15 20 **Fourth Ventricular Glucosamine Injections Stimulate Feeding By Activating Hindbrain Catecholamine Neurons, But Do Not Elevate Blood Glucose**
S RITTER, Q WANG, BR SMITH, A-J LI
Programs in Neuroscience, Washington State University, Pullman, WA, USA

5:30 21 **NITA AWARD RECEPIENT**
Paraventricular Hypothalamic (PVN) cFos Activation Correlates With Activation Of Hindbrain Noradrenergic (NA) Neurons After Systemic Cholecystokinin-8 (CCK)
JW MANISCALCO, L RINAMAN
University of Pittsburgh, Pittsburgh, PA, USA

5:45 22 **NITA AWARD RECEPIENT**
Glucagon-Like Peptide-1 In The Hindbrain Influences Unconditioned And Conditioned Procurement Of Sucrose In Sated Rats
CE PRITCHETT, A HAJNAL
Penn State University College of Medicine Dept of Neural and Behavioral Sciences, Hershey, PA, USA

WEDNESDAY POSTER SESSION 1

6:00 - 8:00 PM Galerie

Poster Session 1

P100 - Gut-to-brain / Hindbrain Processing and Hindbrain / Forebrain Interactions
P200 - Gastrointestinal Nutrient / GI Surgery
P300 - Circadian and Sleep
P400 - Snacking / Satiety
P500 - Ghrelin and Amylin

P100 27 **Gastrointestinal vagal afferent innervation and meal patterns in mice with peripheral BDNF knockout**
JE BIDDINGER, EA FOX
Purdue University, West Lafayette, IN, USA

P101 28 **Effects of insulin on phenotypically-identified neurons of the nucleus tractus solitarius**
CB BLAKE, BN SMITH
Department of Physiology, College of Medicine, University of Kentucky, Lexington, KY, USA

P102 29 **Involvement of the area postrema in cancer-induced anorexia and body weight loss**
T BORNER[1], T LUTZ[1], J RUUD[2], A BLOMQVIST[2], T RIEDIGER[1]
[1]Inst Vet Phys, ZIHP, Zurich, Switzerland, [2]Dep Clin Exp Med, Linköping, Sweden

P103 30 **Hindbrain MC4 receptor participation in CCK-induced MAPK signaling and control of food intake is "upstream" of vagal afferent and NTS neuronal NMDA receptors.**
CA CAMPOS, H SHIINA, M SILVAS, RC RITTER
Washington State University, Pullman, WA, USA

P104 31 **Integrated effects of leptin in the forebrain and hindbrain**
BN DESAI, RBS HARRIS
Georgia Health Sciences University, Augusta, GA, USA

P105 32 **Leptin signaling in the nucleus tractus solitarius suppresses motivation to obtain rewarding food**
SM FORTIN, SE KANOSKI, HJ GRILL
Department of Psychology, University of Pennsylvania, Philadelphia, PA, USA

P106 33 **Effect of gestational caloric restriction on the tendency of the offspring to develop obesity in OLETF rats**
N FRANKEL[1,3], T PISMENUK[3], A WELLER[2,3]
[1]Life Sci Faculty, Ramat gan, Israel, [2]Psychol. Dep, Ramat gan, Israel, [3]Gonda Brain Res, Ramat gan, Israel

WEDNESDAY POSTER SESSION 1

P107 34 **Integrated effects of forebrain and hindbrain leptin on energy balance in non-stimulated conditions**
RBS HARRIS
GeorgiaHealth Sciences University, Augusta, GA, USA

P108 35 **Role of hindbrain orexin 1 receptors in food reward.**
KE KAY, DL WILLIAMS
Florida State University, Tallahassee, FL, FL, USA

P109 36 **Rapid intake of large meals activates glucagon-like peptide-1 (GLP-1) neurons**
AD KREISLER, L RINAMAN
Univ. of Pittsburgh, Dept. of Neuroscience, Pittsburgh, PA, USA

P110 37 **Vagal afferent signaling contributes to some exendin-4 (Ex-4) effects on ingestive behavior and brain activation patterns**
M.A. LABOUESSE, U. STADLBAUER, E. WEBER, M. ARNOLD, G. PACHECO-LÓPEZ, W. LANGHANS
Physiology and Behavior Laboratory, ETH Zurich, Schwerzenbach, Switzerland

P111 38 **Imaging nutrient-induced gut-to-brain signalling pathways in humans: further analysis reveals increasing complexity**
T LITTLE[1,2], S MCKIE[1], C BRYANT[1], L WASSE[1], DG THOMPSON[1], J MCLAUGHLIN[1]
[1]University of Manchester, Manchester, United Kingdom, [2]University of Adelaide, Adelaide, Australia

P112 39 **Effects of the timing of a nutrient load on subsequent energy intake: relationship with antral area.**
TJ LITTLE[1], E BROOK[2], N LUSCOMBE-MARSH[1], A HAMS[1], D GENTILCORE[2], C FEINLE-BISSET[1]
[1]University of Adelaide Discipline of Medicine, Adelaide, Australia, [2]University of South Australia, School of Health Sciences, Adelaide, Australia

P113 40 **Nesfatin-1 influences the excitability of neurons in the nucleus of the solitary tract**
A MIMEE, AV FERGUSON
Queen's University, Kingston, ON, Canada

WEDNESDAY POSTER SESSION 1

P114 41 **Hindbrain expression of dopamine D1 and D2 receptors is differentially affected by free access to a palatable diet in rats**
M RASK-ANDERSEN[1], J ALSIö[1,2], RA CHAVAN[1], PK OLSZEWSKI[1,3,4], HB SCHIöTH[1]
[1]University of Uppsala, Uppsala, Sweden, [2]University of Cambridge, Cambridge, United Kingdom, [3]Minnesota Obesity Center, St Paul, MN, USA, [4]University of Waikato, Hamilton, New Zealand

P115 42 **Oleoylethanolamide is a gut-derived satiety factor controlling feeding behaviour through the activation of hypothalamic oxytocinergic neurons.**
A ROMANO, S GAETANI, V CUOMO
Dept. of Physiology and Pharmacology "V. Erspamer" Sapienza University of Rome, Rome, Italy

P116 43 **Hindbrain GLP-1 receptor-mediated suppression of food intake requires PI3K/AKT signaling**
LE RUPPRECHT, DJ ZIMMER, EG MIETLICKI-BAASE, MR HAYES
Dept. of Psychiatry, University of Pennsylvania, Philadelphia, PA, USA

P117 44 **Estradiol stimulates *apolipoprotein A-IV* gene expression in the nucleus of the solitary tract via estrogen receptor-alpha**
L SHEN[1], DQH WANG[2], P TSO[1], SC WOODS[1], M LIU[1]
[1]Departments of Pathology and Psychiatry, University of Cincinnati, Cincinnati, OH, USA, [2]Department of Internal Medicine, Saint Louis University, St. Louis, MO, USA

P118 45 **Evidence for noradrenergic (NA)/glutamatergic co-transmission within the dorsal vagal complex (DVC), hypothalamus, and limbic forebrain in rats**
H. ZHENG, L. RINAMAN
University of Pittsburgh, Pittsburgh, PA, USA

P200 46 **Acute modulation of glucagon-like peptide-1 (GLP-1) signaling is not involved in the control of energy expenditure after Roux-en-Y gastric bypass (RYGB) surgery in rats**
K ABEGG[1], M BUETER[2], TA LUTZ[1]
[1]Inst Vet Physiol, Univ of Zurich, Zurich, Switzerland, [2]Dept Visc Transpl Surg, Univ Hosp Zurich, Zurich, Switzerland

P201 47 **Roux-en-Y gastric bypass (RYGB) surgery leads to reduced bone mineral density (BMD) and metabolic acidosis in rats**
K ABEGG[1], M BUETER[2], M SCHIESSER[2], TA LUTZ[1]
[1]Inst Vet Physiol, Univ of Zurich, Zurich, Switzerland, [2]Dept Visc Transpl Surg, Univ Hosp Zurich, Zurich, Switzerland

WEDNESDAY POSTER SESSION 1

P202 48 **Intraperitoneal (IP) Glucagon-like peptide-1 (GLP-1) injections and meals in rats increase intestinal lymphatic GLP-1 similarly**

M ARNOLD, A THURNHERR, Y DAI, M GRABER, G PACHECO-LOPEZ, W LANGHANS

Physiology and Behavior Laboratory, ETH Zurich, Schwerzenbach, Switzerland

P203 49 **Estradiol (E2) increases body-weight loss and gut-peptide satiation after Roux-en-Y gastric bypass (RYGB) in ovariectomized (OVX) rats**

L ASARIAN[1], K ABEGG[1], N GEARY[2], M SCHIESSER[3], TA LUTZ[1,4], M BUETER[3,4]

[1]Inst Vet Physiol, Univ Zurich, Zurich, Switzerland, [2]Zielackerstr 10, Schwerzenbach, Switzerland, [3]Dept Visc & Transplant Surgery, Univ Hospital Zurich, Zurich, Switzerland, [4]ZIHP, Zurich, Switzerland

P204 50 **Estradiol (E2) increases meal-induced hindbrain c-Fos expression after Roux-en-Y gastric bypass (RYGB) in ovariectomized (OVX) rats**

L ASARIAN[1], N GEARY[2], M SCHIESSER[3], TA LUTZ[1,4], M BUETER[3,4]

[1]Inst Vet Physiol, Univ Zurich, Zurich, Switzerland, [2]Zielackerstr 10, Schwerzenbach, Switzerland, [3]Dept Visc & Transplant Surgery, Univ Hospital Zurich, Zurich, Switzerland, [4]ZIHP, Zurich, Switzerland

P205 51 **Changes in gut morphology and gut hormone gene expression following Roux-en-Y gastric bypass**

LS DALBØGE[1], F HANSEN[1], N VRANG[1], T LUTZ[2], J JELSING[1]

[1]Gubra, Hørsholm, Denmark, [2]Institute of Veterinary Physiology, University of Zurich, Zurich, Switzerland

P206 52 **Alterations in brain activity in severely obese women after Roux-en Y gastric bypass surgery**

S FRANK[1,2], B WILMS[3], R VEIT[1,2], B ERNST[3], M THURNHEER[3], S KULLMANN[1,2], N BIRBAUMER[2], H PREISSL[1], B SCHULTES[3]

[1]MEG Center, University of Tübingen, Tübingen, Germany, [2]Institute of Medical Psychology and Behavioural Neurobiology, University of Tübingen, Tübingen, Germany, [3]3Interdisciplinary Obesity Center, Cantonal Hospital St. Gallen, Rorschach, Switzerland

P207 53 **Transformation of post-ingestive glucose responses in the hindgut after Roux-en-Y gastric bypass in rats**

MC GERAEDTS[1], SD MUNGER[1], A HAJNAL[2]

[1]Dept of Anatomy & Neurobiology, University of Maryland School of Medicine, Baltimore, MD, USA, [2]Dept of Neural and Behavioral Sciences, The Pennsylvania State University College of Medicine, Hersey, PA, USA

WEDNESDAY POSTER SESSION 1

P208 54 **L-cell distribution in the GI-tract of ZDF rats.**
F HANSEN, N VRANG, J JELSING
Gubra Aps, Hørsholm, Denmark

P209 55 **Gene expression profiling reveals widespread, weight loss-independent changes in cytoskeletal signaling after RYGB in mice.**
IJ HATOUM[1], N STYLOPOULOS[1], A PEIER[2], D MARSH[2], DM KEMP[2], LM KAPLAN[1]
[1]Obesity Metabolism Nutrition Institute, Massachusetts General Hospital, Boston, MA, USA, [2]Merck Research Laboratories Diabetes and Obesity Franchise, Rahway, NJ, USA

P210 56 **Specific amino acids reduce eating and alter gastrointestinal function by distinct mechanism.**
JH JORDI, SM CAMARGO, CN BOYLE, TA LUTZ, F VERREY
University of Zurich, Zurich, Switzerland

P211 57 **The contribution of vagal afferents to the effectiveness of the adjustable gastric band – insights from a rodent model**
J KAMPE[1], A STEFANIDIS[1], WA BROWN[2], BJ OLDFIELD[1]
[1]Department of Physiology, Monash University, Clayton, Australia, [2]Department of Surgery, The Alfred Hospital, Monash University, Prahran, Australia

P212 58 **Hesperetin stimulates cholecystokinin release in enteroendocrine cells**
HY KIM, M PARK
Korea Food Research Institute, Sungnam-si, South Korea

P213 59 **Ginsenoside Rb1 reduces fatty liver in obese rats by activating AMP-activated protein kinase**
M LIU[1], L SHEN[1], SC WOODS[2]
[1]Departments of Pathology, University of Cincinnati, Cincinnati, OH, USA, [2]Departments of Psychiatry, University of Cincinnati, Cincinnati, OH, USA

P214 60 **Effect of Various Intestinal Surgeries on Reduction of Meal Size, Prolongation of the Intermeal Interval and Possible Weight Loss by Cholecystokinin-8 and 33**
WC OKEKE, MC WASHINGTON, S WEATHERSPOON, S METCALF, AI SAYEGH
Gastroenterology Laboratory, College of Veterinary Medicine, Tuskegee University, Tuskegee, AL, USA

WEDNESDAY POSTER SESSION 1

P215 61 **Gastric bypass surgery alters gut microbiota profile along the intestine.**
M OSTO[1,3], K ABEGG[1], M BUETER[2], PD CANI[3], TA LUTZ[1]
[1]Inst Vet Physiol, Univ, Zurich, Switzerland, [2]Dept Surgery, Div Visc Transplant Surg, Univ Hosp, Zurich, Switzerland, [3]MNUT, LDRI, Univ Cathol, Louvain, Belgium

P216 62 **Adenovirus- overexpression of liver carnitine palmitoyltransferase 1 (CPT-1a) increases food intake after 24h fasting**
G PACHECO-LóPEZ[1], C LEITNER[1], M ARNOLD[1], A MANSOURI[1,2], C PRIP-BUUS[2], W LANGHANS[2], N MORRAL[3]
[1]Physiology and Behavior Laboratory, Swiss Federal Institute of Technology, Zurich, Switzerland, [2]Département Endocrinologie, Métabolisme et Cancer Institut Cochin, Paris, France, [3]Department of Medical and Molecular Genetics, Indiana University School of Medicine, Indianapolis, IN, USA

P217 63 **Preload of dietary fibers added to fatty food efficiently reduces energy intake by systemic PYY and vagal CCK signaling in mice.**
R RASOAMANANA[1,2], C CHAUMONTET[2], D TOME[1], G FROMENTIN[2], N DARCEL[1]
[1]AgroParisTech, Nutrition Physiology and Ingestive Behavior lab, Paris, France, [2]INRA, Nutrition Physiology and Ingestive Behavior lab, Paris, France

P218 64 **Diacylglycerol Acyltransferase-1 (DGAT-1) inhibition decreases meal size and postprandial respiratory quotient (RQ) in high fat diet (HFD)-fed rats**
G SCHOBER[1], M ARNOLD[1], S BIRTLES[2], LK BUCKETT[2], AV TURNBULL[2], W LANGHANS[1]
[1]Physiology and Behavior, ETH, Zurich, Switzerland, [2]AstraZeneca R&D, Macclesfield, United Kingdom

P219 65 **Hepatic portal vein (HPV) peptide tyrosine-tyrosine (PYY) and eating in rats**
U STADLBAUER, M ARNOLD, W LANGHANS
Physiology and Behavior Laboratory, ETH Zurich, Schwerzenbach, Switzerland

P300 66 **Circadian variations in gastric vagal afferent satiety signals**
S KENTISH[1], G WITTERT[1], D KENNAWAY[1], A PAGE[1,2]
[1]University of Adelaide, Adelaide, Australia, [2]Royal Adelaide Hospital, Adelaide, Australia

WEDNESDAY POSTER SESSION 1

P301 67 **Heating and eating in genetically obese zucker (FA/FA) rats**
A KONTOS[1], RC DE MENEZES[2], Y OOTSUKA[3], WW BLESSING[1]
[1]Flinders University, Adelaide, Australia, [2]Universidade Federal de Ouro Preto, Ouro Preto, Brazil, [3]Kagoshima University, Kagoshima, Japan

P302 68 **Weight gain induced by high-fat diet increases active-period sleep and sleep fragmentation**
CM KOTZ[1, 2], CJ BILLINGTON[1, 2], V MAVANJI[1, 2]
[1]Veterans Affairs Health Care System, Minneapolis, MN, USA, [2]University of Minnesota, Minneapolis, MN, USA

P303 69 **Effects of daily timing of saturated fat and liquid sugar intake in obesity development**
JE OOSTERMAN[1], E FOPPEN[2], R VAN DER SPEK[1], E FLIERS[1], A KALSBEEK[1,2], SE LA FLEUR[1]
[1]Department of Endocrinology and Metabolism, AMC-UvA, Amsterdam, Netherlands, [2]Hypothalamic Integration Mechanisms, Netherlands Institute for Neuroscience, Amsterdam, Netherlands

P304 70 **Influence of the circadian and estrous cycles on calcium and sodium intake in the rat**
A VOZNESENSKAYA, MG TORDOFF
Monell Chemical Senses Center, Philadelphia, PA, USA

P400 71 **Snack frequency: Associations with healthy and unhealthy food choices**
C HARTMANN, K VAN DER HORST, M SIEGRIST
ETH, Zürich, Switzerland

P401 72 **Prolonged chewing at lunch decreases later snack intake**
S HIGGS, A JONES
School of Psychology, University of Birmingham, B152TT, United Kingdom

P402 73 **Changes in plasma amino acid concentrations in relation to satiety**
SG LEMMENS[1,2], EA MARTENS[1,2], MA VELDHORST[1,2], MS WESTERTERP-PLANTENGA[1,2]
[1]Maastricht University, Maastricht, Netherlands, [2]Top Institute Food and Nutrition, Wageningen, Netherlands

P403 74 **Weight loss in response to a controlled diet intervention is linked to ad libitum eating behavior at a buffet**
M WITBRACHT, E SOUZA, M VAN LOAN, SH ADAMS, K LAUGERO, N KEIM
U.S. Department of Agriculture, Agricultural Research Service, Western Human Nutrition Research Center, Davis, CA, USA

WEDNESDAY POSTER SESSION 1

P500 75 **Amylin loses its satiating effect under hypoglycemic conditions**
CN BOYLE, M HONEGGER, TA LUTZ
Institute Vet Physiol, Zurich Center Integr Human Physiol, University of Zurich, Zurich, Switzerland

P501 76 **Inhibition of Ghrelin O-Acyltransferase or Acyl-ghrelin Differentially Regulates Central and Peripheral Energy Balance**
MS BYERLY[1,2], BP BARNETT[3,4], Y HWANG[4], S BLACKSHAW[2,5], PA COLE[4], GW WONG[1], JD BOEKE[3,5]
[1]Department of Physiology and Center for Metabolism and Obesity Research, Johns Hopkins School of Medicine, Baltimore, MD, USA, [2]Department of Neuroscience,Johns Hopkins School of Medicine, Baltimore, MD, USA, [3]Department of Molecular Biology and Genetics, Johns Hopkins School of Medicine, Baltimore, MD, USA, [4]Department of Pharmacology and Molecular Science, Johns Hopkins School of Medicine, Baltimore, MD, USA, [5]Center for High Throughput Biology, Baltimore, MD, USA

P502 77 **Blockade of cGMP degradation by BAY 73-6691 potentiates and extends amylin's anorectic action**
A DONAUER[1], CN BOYLE[1], K SAMUEL[1,2], TA LUTZ[1,3]
[1]Institute of Veterinary Physiology, University of Zurich, Zurich, Switzerland, [2]Florida State University, Neuroscience Program, Tallahassee, FL, USA, [3]3Zurich Center for Integrative Human Physiology, Zurich, Switzerland

P503 78 **Role of gut hormone ghrelin in novelty seeking behavior in rodents and men.**
C HANSSON, R SHIRAZI, SL DICKSON, E ERIKSSON, KP SKIBICKA
The Sahlgrenska Academy, Göteborg, Sweden

P504 79 **Lipopolysaccharide inhibits ghrelin-sensitive neurons of the arcuate nucleus via NF-kB dependent nitric oxide signaling**
L LOI[1], T BORNER[1,2], TA LUTZ[1,2], T RIEDIGER[1,2]
[1]Inst. of Vet. Physiol, University of Zurich, Zurich, Switzerland, [2]Zurich Center for Integrative Human Physiol. (ZIHP), Zurich, Switzerland

P505 80 **Identifying novel ghrelin receptor neural circuits using a GFP mouse model**
A REICHENBACH, M LEMUS, R STARK, ZB ANDREWS
Monash University, Melbourne, Australia

THURSDAY, JULY 12 - AM

8:30 - 10:30 AM HG F1

Symposium 3: Hypothalamic Sensing in the Regulation of Thirst

Chair(s): Derek Daniels

8:30 81 **The Circumventricular Organs As Sensory Integrators Of Critical Circulating Signals Regulating Fluid And Energy Homeostasis**
A. V FERGUSON
Queen's University, Kingston, ON, Canada

9:00 82 **TRPV Channels And Osmoreception In The Organum Vasculosum Lamina Terminalis**
CW BOURQUE, S CIURA
Centre for Research in Neuroscience, McGill University, 1650 Cedar Avenue, Montreal, QC, Canada

9:30 83 **A Classic Innate Behavior, Sodium Appetite, Is Driven By Hypothalamic Gene-Regulatory Programs Previously Linked To Addiction And Reward**
WB LIEDTKE[1,2]
[1]Duke University, Department of Medicine, Durham, NC, USA, [2]Duke University, Clinics for Pain and Palliative Care, Durham, NC, USA

10:00 84 **A Cautionary Tale: Drinking And Feeding Behavior As A Consequence Of Altered Autonomic Function**
WK SAMSON, GLC YOSTEN
Saint Louis University, St. Louis, MO, USA

THURSDAY, JULY 12 - AM

8:30 - 10:30 AM HG F7

Symposium 4: The Effect of Food Cues on Appetite: From Expectations to Habits

Chair(s): Michael Lowe

8:30 85 **Neural Systems That Mediate Food Seeking And The Influence Of Predicted And Experienced Value On Choice**
BW BALLEINE
BMRI, University of Sydney, Sydney, Australia

9:00 86 **Neural Mechanisms Of Self-Control In Dietary Choice**
T HARE
SNS Lab, Dept. of Economics, University of Zurich, Zurich, Switzerland

9:30 87 **Human Dorsal Striatal Response To Milkshake Is Associated With Body Weight, Dopamine Signaling, And Impulsivity**
DM SMALL[1,2], MB VLEDHUIZEN[1,2], D BOLLING[2], KP COSGROVE[2], ED MORRIS[2]
[1]The John B Pierce Laboratory, New Haven, CT, USA, [2]Yale University, New Haven, CT, USA

10:00 88 **Subtle Goal Primes Can Offset Hedonic Effects Of Food On Behavior**
EK PAPIES
Utrecht University, Utrecht, Netherlands

THURSDAY, JULY 12 - AM/PM

10:30 - 11:00 AM	Galerie
Coffee Break	

11:00 - 12:00 PM	"Audi Max" HG F30
Mars Lecture - Joel Elmquist	

Chair(s): Tim Moran

89 **Investigating Autonomic Regulatory Networks Controlling Energy Balance And Glucose Homeostasis**
JK ELMQUIST
Division of Hypothalamic Research Departments of Internal Medicine and Pharmacology University of Texas Southwestern Medical Center, Dallas, TX, USA

12:00 - 1:30 PM	Registration Area
Student/Postdoc Luncheon	

Want to make new connections among your peer group?

Please join us for an informal lunch and opportunity to socialize in one of Zurich¹s beautiful parks, the Lindenhof, which is a 10-15 min walk or tram ride from the conference site.

If you are interested, please meet Nu-Chu Liang and Clare Mathes at 12:00 in the ETH Cafeteria Polyterrasse (no. 8, MM), and we will walk to the park.

The cafeteria will also serve as a great place to purchase a lunch (or bring your own) and a potential backup site in case of poor weather.

THURSDAY, JULY 12 - PM

1:30 - 3:30 PM "Audi Max" HG F30

Symposium 5: Dysregulated Sleep, Energy Balance and Obesity

Chair(s): Michelle Lee

1:30
90 **Sleep, Obesity And Energy Balance**
J HORNE
Loughborough, UK

2:00
91 **Circadian Genes From Behavior To Bioenergetics**
J BASS
Chicago, IL, USA

2:30
92 **Effects Of Acute Sleep Loss On Energy Intake And Expenditure In Humans**
M HALLSCHMID[1], C BENEDICT[2], SM SCHMID[3], B SCHULTES[4], J BORN[1]
[1]University of Tuebingen, Tuebingen, Germany,
[2]Uppsala University, Uppsala, Sweden,
[3]University of Luebeck, Luebeck, Germany,
[4]Obesity Centre, St. Gallen, Switzerland,
[5]University of Tuebingen, Tuebingen, Germany

3:00
93 **Sleep, Energy Balance And Endocrinology**
M.S. WESTERTERP-PLANTENGA, H.K. GONNISSEN
Maastricht University, Maastricht, Netherlands

3:30 - 4:00 PM Galerie

Coffee Break

THURSDAY, JULY 12 - PM

4:00 - 6:00 PM HG F1

Oral 2: Reward, Reinforcement, and Food Seeking

Chair(s): Roger Adan

4:00
94
Nucleus Accumbens Neuronal Responses To Reward And Aversion Are Differentially Modulated By The Basolateral And Central Nuclei Of The Amygdala
AL LORIAUX, JD ROITMAN, MF ROITMAN
Department of Psychology, University of Illinois at Chicago, Chicago, IL, USA

4:15
95
The Food Intake- And Meal Size-Suppressive Effects Of GLP-1 Receptor Signaling In The VTA Are Mediated By AMPA/Kainate Receptors
EG MIETLICKI-BAASE, AL ALHADEFF, DR OLIVOS, LE RUPPRECHT, DJ ZIMMER, MR HAYES
Dept. of Psychiatry, University of Pennsylvania, Philadelphia, PA, USA

4:30
96
NITA AWARD RECEPIENT
Wheel Running Reduces High Fat Diet Preference Without Altering The Expression Of Reward Genes
N-C. LIANG, T.H. MORAN
Department of Psychiatry and Behavioral Sciences, The Johns Hopkins University School of Medicine, Baltimore, MD, USA

4:45
97
Roux En Y Gastric Bypass Increases Ethanol Intake In The Rat
JF DAVIS[1], AE TRACY[2], JD SCHURDAK[1], IJ MAGRISSO[1], BE GRAYSON[1], RJ SEELEY[1], SC BENOIT[1]
[1]University of Cincinnati, Cincinnati, OH, USA, [2]Grinnel College, Grinnel, IA, USA

5:00
98
Central Leptin Sensitivity In Rats On A Free Choice High-Fat High-Sugar Diet
JK VAN DEN HEUVEL[1], L EGGELS[1], A KALSBEEK[1], E FLIERS[1], RAH ADAN[2], SE LA FLEUR[1]
[1]Dept Endocrinol Metab, AMC-UvA, Amsterdam, Netherlands, [2]Dept Neurosci Pharmacol, RMI-UMCU, Utrecht, Netherlands

THURSDAY, JULY 12 - PM

5:15
99

Choice Influences The Effect Of Nutrient Intake On Brain Response

X SUN, MG VELDHUIZEN, AE D'AGOSTINO, IE DE ARAUJO, DM SMALL

The John B. Pierce Laboratory and Yale University School of Medicine, New Haven, CT, USA

5:30
100

Genetic Evidence That Food Addiction Reflects An Enhanced Dopamine Signal In Brain Reward Pathways

C DAVIS[1,2], R LEVITAN[2], J CARTER[3], A KAPLAN[2], J KENNEDY[2]

[1]York University, Toronto, ON, Canada, [2]Centre for Addiction and Mental Health, Toronto, ON, Canada, [3]University Health Network, Toronto, ON, Canada

5:45
101

NITA AWARD RECEPIENT

Interaction Of Dieting Status With Reward Response To Palatable Food Cues: An FMRI Study

AV ELY[1], AR CHILDRESS[2], MR LOWE[1]

[1]Drexel University, Philadelphia, PA, USA, [2]University of Pennsylvania, Philadelphia, PA, USA

THURSDAY, JULY 12 - PM

4:00 - 6:00 PM HG F7

Oral 3: Gastrointestinal Nutrient Influences

Chair(s): Guillaume (Will) de Lartigue and Christine Feinle-Bisset

4:00
102 **Ghrelin And Bariatric Surgery: Fat Or Fiction?**
AP CHAMBERS[1], H KIRCHNER[1], HE WILSO-PEREZ[1], JA WILLENCY[2], JE HALE[2], BD GAYLINN[3], MO THORNER[3], PT PFLUGER[1], JA GUTIERREZ[2], MH TSCHöP[1], DA SANDOVAL[1], RJ SEELEY[1]
[1]University of Cincinnati, Cincinnati, OH, USA, [2]Eli Lilly and Company, Indianapolis, IN, USA, [3]University of Virginia, Charlotte, NC, USA

4:15
103 **Circadian Rhythm Powerfully Regulates Expression Of Intestinal Sweet Taste Receptors In Mice**
EL SYMONDS[1], SJ KENTISH[2], RL YOUNG[1], AJ PAGE[1,2]
[1]Royal Adelaide Hospital, Adelaide, Australia, [2]University of Adelaide, Adelaide, Australia

4:30
104 **Possible Role Of Intestinal Fatty Acid Oxidation (FAO) In The Eating-Inhibitory Effect Of The Peroxisome Proliferator Receptor-α (PPARα) Agonist Wy-14643**
E KARIMIAN AZARI, A MANSOURI, W LANGHANS, C LEITNER
Physiology and Behavior Laboratory, ETH Zurich, Schwerzenbach, Switzerland

4:45
105 **NITA AWARD RECEPIENT**
Distinct Mechanisms Mediate Glucose-Stimulated GLP-1 Secretion From Small And Large Intestine
MC GERAEDTS[1], T TAKAHASHI[1], S VIGUES[1], ML MARKWARDT[2], A NKOBENA[2], RE COCKERHAM[1], CD DOTSON[1], MA RIZZO[2], A HAJNAL[3], SD MUNGER[1]
[1]Dept of Anatomy & Neurobiology, University of Maryland School of Medicine, Baltimore, MD, USA, [2]Dept of Physiology, University of Maryland School of Medicine, Baltimore, MD, USA, [3]Dept of Neural and Behavioral Sciences, The Pennsylvania State University College of Medicine, Hersey, PA, USA

THURSDAY, JULY 12 - PM

5:00
107

Effects Of Soluble Dietary Fibre On Appetite, Adiposity And Gut Satiety Hormone Secretion In Rats

CL ADAM, PA FINDLAY, LM THOMSON, AW ROSS

Rowett Institute of Nutrition & Health, University of Aberdeen, Aberdeen, Scotland

5:15
108

The Dipeptidyl Peptidase-IV (DPP-IV) Inhibitor, Vildagliptin Increases Energy Expenditure And Reduces Glycaemia, But Does Not Affect Energy Intake In Response To Intraduodenal Fat Infusion In Healthy Lean Males

GA HERUC, ND LUSCOMBE-MARSH, B BARTLETT, C FEINLE-BISSET, M HOROWITZ, TJ LITTLE

Discipline of Medicine, University of Adelaide, Adelaide, Australia

5:30
109

Bile Acids As TGR5 Agonists Signaling GLP-1 Release In Healthy Humans

AC MEYER-GERSPACH, RE STEINERT, C BEGLINGER

Phase 1 Research Unit, Department of Biomedicine and Division of Gastroenterology, Basel, Switzerland

THURSDAY POSTER SESSION 2

6:00 - 8:00 PM Galerie

Poster Session 2

P100 - Cognition / Learning / Conditioning
P200 - Reward / Motivation / Seeking
P300 - Taste / Flavor / CTA
P400 - Eating Disorders / Emotional Eating / Stress / Depression
P500 - Inflammation and Immunity / Malaise / Nausea

P100 110 **Liking for Dairy and Meat Products and Vegan Substitutes: Influence of Cognition**
S ADISE[1], I GAVDANOVICH[2], DA ZELLNER[2]
[1]The City University of New York (CUNY), New York, NY, USA, [2]Montclair State University, Montclair, NJ, USA, [3]Montclair State University, Montclair, NJ, USA

P101 111 **Influence of the food selection criteria on the attitude towards food**
M ASAKAWA[1], M OKANO[1]
[1]Bunkyo University, Chigasaki, Japan, [2]Bunkyo University, Chigasaki, Japan

P102 112 **Examining food choice with fake foods – Encouraging consumers to make healthier food choices trough food positioning**
T BUCHER[1], M SIEGRIST[1], K VAN DER HORST[2]
[1]ETH Zurich, Zurich, Switzerland, [2]Nestlé Research Centre, Lausanne, Switzerland

P103 113 **The effect of food labels on the selection of foods purchased in a university dining hall.**
C.E. CIOFFI, D.A. LEVITSKY
Cornell University, Ithaca, NY, USA

P104 114 **Expression of Pavlovian appetitive conditioning recruits orexin neurons in the medial region of the lateral hypothalamus in the rat**
S COLE, DJ POWELL, MP HOBIN, CJ REPPUCCI, GD PETROVICH
Psychology, Boston College, Chestnut Hill, MA, USA

P105 115 **Egg-based breakfasts enhance satiety and cognitive function in young adults**
KE D'ANCI, RB KANAREK
Psychology Department Tufts University, Medford, MA, USA

THURSDAY POSTER SESSION 2

P106 116 **Effects of acute treatment with a tryptophan-rich egg white protein on plasma amino acids, emotional and cognitive functioning in older women**
EL GIBSON[1], K VARGAS[1], E HOGAN[1], A HOLMES[1], PJ ROGERS[2], J WITTWER[3], J KLOEK[4], MH MOHAJERI[3]
[1]University of Roehampton, London, United Kingdom, [2]University of Bristol, Bristol, United Kingdom, [3]DSM Nutritional Products, Basel, Switzerland, [4]DSM Food Specialties, Delft, Netherlands

P107 117 **Dietary fat, body weight, blood-brain barrier (BBB) integrity, and hippocampal-dependent cognitive functioning.**
SL HARGRAVE, KP KINZIG, SE SWITHERS, W ZHENG, TL DAVIDSON
College of Health and Human Sciences, Purdue University, West Lafayette, IN, USA

P108 118 **Learned preference for dried-bonito** *dashi* **(a traditional Japanese fish stock) and its suppression by high fat diet**
T KONDOH[1], T MATSUNAGA[1], IE DE ARAUJO[2]
[1]AJINOMOTO Integrative Research for Advanced Dieting, Graduate School of Agriculture, Kyoto University, Kyoto, Japan, [2]The John B. Pierce Laboratory and Department of Psychiatry, Yale University School of Medicine, New Haven, CT, USA

P109 119 **Working memory and attention to food**
F RUTTERS, S HIGGS, GW HUMPHREYS
Birmingham University, Birmingham, United Kingdom

P110 120 **Ipsilateral Lateral Hypothalamic NMDA Receptor Antagonism Suppresses Accumbens Shell-Mediated Eating in a Behaviorally Specific Manner**
KR URSTADT, B BANUELOS, S COOP, BG STANLEY
Dept. of Psychology, UC Riverside, Riverside, CA, USA

P200 121 **How hunger affects VTA neuronal activity associated with reward-related behavior and food choice**
R.A. ADAN, R. VAN ZESSEN, M. LUIJENDIJK, G. RAMAKERS, G. VAN DER PLASSE
Rudolf Magnus Institute, UMCU, Utrecht, Netherlands

THURSDAY POSTER SESSION 2

P201 122 **Role of orexin in conditioned saccharin-seeking**
A.M. CASON, G. ASTON-JONES
Medical University of South Carolina, Charleston, SC, USA

P202 123 **Fluoxetine dialysis in the nucleus accumbens shell in rats increases blood glucose concentration**
C DIEPENBROEK[1], M RIJNSBURGER[1], KM VAN MEGEN[1], L EGGELS[1], G VAN DER PLASSE[3], MT ACKERMANS[1], A KALSBEEK[1,2], E FLIERS[1], MJ SERLIE[1], SE LA FLEUR [1]
[1]Dept of Endocrinol & Metabol, AMC-University of Amsterdam, Amsterdam, Netherlands, [2]KNAW-NIN, Amsterdam, Netherlands, [3]Dept of Neurosci & Pharmacol, RMI-UMCU, Utrecht, Netherlands

P203 124 **Reversing presynaptic central dopamine deficits in obese animals**
BM GEIGER, L CAPPELLUCCI, M KAROUANI, EN POTHOS
Tufts University School of Medicine, Department of Molecular Physiology and Pharmacology, Programs in Pharmacology and Experimental Therapeutics and Neuroscience, Boston, MA, USA

P204 125 **Measuring Reward Value With A Sipometer: Proof of Concept**
HR KISSILEFF[1], J CHEN[1], T WACHOLDER[1], D KLEIN[3], A SCLAFANI[2]
[1]St. Lukes/Roosevelt Hosp., NY, NY, USA, [2]Brooklyn College, Brooklyn, NY, USA, [3]Columbia Univ. College of P &S, NY, NY,

P205 126 **Fat matters: High fat leads to reduced activity in the orbitofrontal cortex in humans**
S KULLMANN[1,2], S FRANK[1], K LINDER[3], M HENI[3], C KETTERER[3], A KRZEMINSKI[4], HU HäRING[2,3], J HINRICHS[1], R VEIT[4], A FRITSCHE[2,3], H PREISSL[1,2]
[1]MEG Center, Tübingen, Germany, [2]Institute for Diabetes Research and Metabolic Diseases of the Helmholtz Center Munich at the University of Tübingen, Member of the German Center for Diabetes Research (DZD), Tübingen, Germany, [3]Department of Internal Medicine, Division of Endocrinology, University of Tübingen, Tübingen, Germany, [4]Institute of Food Science and Biotechnology, University of Hohenheim, Stuttgart, Stuttgart, Germany

THURSDAY POSTER SESSION 2

P206 127 **Neutral cues paired with chocolate reward increase food craving in healthy weight non-restrained participants.**
MD LEE, NC FOUQUET, CH SEAGE
Dept Psychology, Swansea University, Swansea, United Kingdom

P207 128 **Reward sensitivity increases food "wanting" following television "junk food" commercials**
NJ LOXTON, S BYRNES
The University of Queensland, Brisbane, Australia

P208 129 **Flexibility of brain-reward related activation in overweight and normal weight subjects**
MJ MARTENS[1,2], JM BORN[1,2], SG LEMMENS[1,2], L KARHUNEN[3], A HEINECKE[1], R GOEBEL[1], TC ADAM[1], MS WESTERTERP-PLANTENGA[1,2]
[1]Maastricht University, Maastricht, Netherlands, [2]TIFN, Wageningen, Netherlands, [3]University of Kuopio, Kuopio, Finland

P209 130 **Effects of the D2-Receptor Antagonist Raclopride on the Early-Meal Microstructure of Sucrose Licking in Rats.**
CM MATHES, GD BLONDE, AC SPECTOR
Florida State Univ, Tallahassee, FL, USA

P210 131 **GABAa receptors play a role in the long term increases in food hoarding in siberian hamsters (*Phodopus sungorus*)**
BJW TEUBNER, TJ BARTNESS
Georgia State University, Department of Biology, Atlanta, GA, USA

P211 132 **Multiple pieces of food are more rewarding than an equicaloric single piece of food in both animals and humans**
D WADHERA, ED CAPALDI, L WILKIE
Arizona State University, Tempe, AZ, USA

P300 133 **Gustatory Cortex Lesions Do Not Disrupt Perithreshold Taste Sensitivity to Sucrose in Rats**
MB BALES, GD BLONDE, K HASHIMOTO, AC SPECTOR
Dept. of Psychology, Florida State Univ., Tallahassee, FL, USA

THURSDAY POSTER SESSION 2

P301 134 **Both the number of bites and the oral residence duration increase the oral sensory exposure to food and reduce ad libitum food intake**
DP BOLHUIS[1], CMM LAKEMOND[1], RA DE WIJK[2], PA LUNING[1], C DE GRAAF[1]
[1]Wageningen University, Wageningen, Netherlands, [2]Wageningen University and Research, Wageningen, Netherlands

P302 135 **TRPM5 KO-mice lack preference for sweet palatable food, but retains energy content driven food intake**
P BRODIN, F JANSEN, P HåKANSSON, M LARSSON
AstraZeneca R&D, Mölndal, Sweden

P303 136 **Taste receptor expression pattern in brain tissue**
D HERRERA MORO CHAO[1,2], M VAN EIJK [1], R BOOT [1], R OTTENHOFF [1], C VAN ROOMEN [1], E FOPPEN[2], A KALSBEEK [2], JMFG AERTS [1]
[1]Medical Biochemistry, AMC, amsterdam, Netherlands, [2]Endocrinology and Metabolism, AMC, amsterdam, Netherlands

P304 137 **Functional knockout of forebrain 14-3-3 blocks conditioned taste aversion learning.**
A. KIMBROUGH, Y. WU, Y. ZHOU, T.A. HOUPT
Biological Science and College of Medicine, Neuroscience, Florida State Univ., Tallahassee, FL, USA

P305 138 **Effects of Cross-Wiring Lingual Taste Nerves on Quinine-Stimulated Fos-Labeling in the Gustatory Cortex in Rats**
CT KING[1], M GARCEA[2], AC SPECTOR[3]
[1]Stetson Univ, DeLand, FL, USA, [2]Univ of Florida, Gainesville, FL, USA, [3]Florida State Univ, Tallahassee, FL, USA

P306 139 **Food Texture Can Induce Disgust**
L KUSHNER[1], L WYATT[1], S PARKER[1], D ZELLNER[2]
[1]American University, Washington, DC, USA, [2]Montclair State University, Montclair, NJ, USA

P307 140 **Umami and the appetizer effect.**
U MASIC, MR YEOMANS
School of Psycholog, Sussex University, Brighton, United Kingdom

THURSDAY POSTER SESSION 2

P308 141 **Subtle changes in the flavour and texture of a drink enhance expectations of satiety**
K MCCRICKERD[1], LC CHAMBERS[1], JM BRUNSTROM[2], MR YEOMANS[1]
[1]University of Sussex, Brighton, United Kingdom, [2]University of Bristol, Bristol, United Kingdom

P309 142 **Cats prioritize taste preference over macronutrient content of food in ingestion choices with nutritionally balanced complete foods.**
MA VANCHINA, DE JEWELL, A ARTZER, JC VONDRAN, DW BALOGA
Hill's Pet Nutrition, Topeka, KS, USA

P310 143 **Sugar Can Mask the Bitter Taste of Vegetables**
LM WILKIE, ED CAPALDI, D WADHERA
Arizona State University, Tempe, AZ, USA

P400 144 **The activation of 5-HT$_4$ receptors in the Nucleus Accumbens Shel in rats submitted to a binge-eating protocol**
A.C. BORGES[1], T. ALBERTI[2], V.A. MOTTA[1], M.A. PASCHOALINI[2]
[1]Universidade de Brasília, Brasilia, Brazil, [2]Universidade Federal de Santa Catarina, Florianópolis, Brazil

P401 145 **Effect of *Hypericum perforatum* extract in an experimental model of Binge Eating in female rats**
C CIFANI[1], MV MICIONI DI B[1], G VITALE[2], M MASSI[1]
[1]University of Camerino, School of Pharmacy, Camerino, Italy, [2]University of Modena and Reggio Emilia, Department of Biomedical Sciences, Modena, Italy

P402 146 **Portion size perception and anxiety response to food cues in Anorexia Nervosa compared with controls.**
KA HALMI[1], HR KISSILEFF[2], JM BRUNSTROM[3], D BELLACE[1], R TESSER[1], J THORNTON[2]
[1]Weill Cornell Medical College, New York, NY, USA, [2]St Lukes/Roosevelt Hospital, New York, NY, USA, [3]Univ. Bristol, Bristol, United Kingdom

THURSDAY POSTER SESSION 2

P403 147 **Chronic intermittent stress associated with highly palatable food results in a binge-like eating with altered corticosterone response to stress challenge**

BT KIM[1], K KIM[1], YS KIM[2], JY LEE[3], SS KANG[3], JH LEE[3], JW JAHNG[3]

[1]Ajou University School of Medicine, Suwon, South Korea, [2]Cha University Medical School, Seoul, South Korea, [3]Seoul National University School of Dentistry, Seoul, South Korea

P404 148 **Involvement of nucleus accumbens opioid receptors in a rat model of binge eating**

S LARDEUX, JJ KIM, SM NICOLA

Albert Einstein College of Medicine, Bronx, NY, USA

P405 149 **Effect of A_{2A} adenosine receptor agonists on compulsive binge eating of highly palatable food**

MV MICIONI DI B, C CIFANI, C LAMBERTUCCI, R VOLPINI, G CRISTALLI, M MAURIZIO

University of Camerino, School of Pharmacy, Pharmacology and Medicinal Chemistry Unit, Camerino, Italy

P406 150 **Depression and anxiety are associated with reduced obesity-related quality of life measures in** extremelyobese patients attending a specialist weight management service

IC NEIRA, S TAHERI, S HIGGS

University of Birmingham, Birmingham, United Kingdom

P407 151 **Influence of color and viscosity on milk pleasantness and intensity ratings in disordered eaters**

M SAPPINGTON, A CAPIOLA, M SEALS, B RAUDENBUSH

Wheeling Jesuit University, Wheeling, WV, USA

P500 152 **Ghrelin expression in a rat model of chemotherapy-induced anorexia**

M FRANCOIS[1,2], K TAKAGI[1,3], N TENNOUNE[1,2], S BEUTHEU YOUMBA[1,2], C BOLE-FEYSOT[1,2], A CRAVEZIC[2], J-C DO REGO[2], M COEFFIER[1,2], A INUI[3], P DECHELOTTE[1,2], SO FETISSOV[1,2]

[1]Nutrition, Gut and Brain Laboratory, Inserm U1073, Rouen University, Rouen, France, [2]Institute for Research and Innovation in Biomedicine (IRIB), Normandy, Rouen, France, [3]Department of Beavioral Medicine, Kagoshima University, Kagoshima, Japan

THURSDAY POSTER SESSION 2

P501
153 **Failure of intra-third ventricular infusion of tumor necrosis factor-α (TNF-α) to enhance the anorexigenic effect of leptin in mice**
EM MC ALLISTER, G PACHECO-LOPEZ, W LANGHANS
Physiology and Behavior Laboratory, ETH Zurich, Schwerzenbach, Switzerland

P502
154 **Effects of *E. coli* on α-MSH-reactve immunoglobulins, food intake and anxiety**
N TENNOUNE[1,2], W OUELAA[1,2], J-C DO REGO[2], P DECHELOTTE[1,2], SO FETISSOV[1,2]
[1]Nutrition, Gut and Brain Laboratory, Inserm U1073, Rouen University, Rouen, France, [2], Institute for Research and Innovation in Biomedicine (IRIB), Normandy, Rouen, France

FRIDAY, JULY 13 - AM

8:30 - 10:30 AM HG F1

Symposium 6: Central Nutrient Sensing

Chair(s): Lee Beverly

8:30 163 **Sensing Of Dietary Composition By Sleep And Reward-Related Neurons**
D BURDAKOV
Cambridge, UK

9:00 164 **Regulation Of Protein Intake And Selection: Branched-Chain Amino Acids And Beyond**
CD MORRISON
Pennington Biomedical Research Center, Baton Rouge, LA, USA

9:30 165 **Intracellular Signaling Mechanisms Of Hypothalamic Malonyl-CoA In The Control Of Food Intake**
T MORAN[1] , S GAO[2]
[1]Johns Hopkins University School of Medicine, Baltimore, MD, USA
[2]Scripps Research Institute, Jupiter, FL, USA,

10:00 166 **Astrocytes, The Unrecognized Player In High Fat Diet Intake Regulation**
B.E. LEVIN[1,2], C. LE FOLL[1,2]
[1]VA Medical Center, E. Orange, NJ, USA, [2]NJ Medical School, Newark, NJ, USA

FRIDAY, JULY 13 - AM

8:30 - 10:30 AM HG F7

Oral 4: Early Life Influences on Ingestive Behavior and Obesity

Chair(s): Sebastien Bouret and Kim Kinzig

8:30 155 **Chronic Postnatal Hyperghrelinemia Disrupts Hypothalamic Development And Induces Long Term Metabolic Dysfunctions**
SM STECULORUM[1,2], SG BOURET[1,2]
[1]The Saban Research Institute, Neuroscience Program, Children's Hospital Los Angeles, University of Southern California, Los Angeles, CA, USA, [2]Inserm, U837, University Lille 2, Lille, France

8:45 156 **High Fat Maternal Diet Significantly Reduces The Appetitive Component Of Behavior But Not Concentration-Dependent Licking Responses To Sucrose In A Brief-Access Taste Test**
Y TREESUKOSOL, B SUN, KL TAMASHIRO, TH MORAN
Dept of Psychiatry & Behav Sci, School of Medicine, Johns Hopkins University, Baltimore, MD, USA

9:00 157 **Early Onset Exercise And Cessation Exacerbates Obesity In Female DIO Rats Fed A Low Fat Diet**
MD JOHNSON, BE LEVIN
Grad Sch Biomed Sci, Dept Neurol & Neurosci, NJ Med Sch, UMDNJ, Newark, NJ, USA

9:15 158 **Coping Style And Prenatal Stress Interact In The Predisposition To Metabolic Disorders**
GJ BOERSMA, A MOGHADAM, ER EWALD, N-C LIANG, TH MORAN, KL TAMASHIRO
Dept. of Psych. and Behav. Sci., Johns Hopkins Univ., Baltimore, MD, USA

9:30 159 **Effect Of Maternal Bariatric Surgery On Metabolic Parameters Of Offspring**
BE GRAYSON, KM SCHNEIDER, SC WOODS, RJ SEELEY
University of Cincinnati, Cincinnati, OH, USA

FRIDAY, JULY 13 - AM

8:30 - 10:30 AM HG F7

Oral 4: Early Life Influences on Ingestive Behavior and Obesity (continued)

9:45 160 **Maternal High Fat/Sucrose Diet Exposure In Selectively Bred Highly Active Mice Causes Loss Of Diet-Induced Obesity Resistance In Female Offspring**
S GUIDOTTI[1], N MEYER[1], T JR GARLAND[2], G VAN DIJK[1]
[1]Neuroendocrinology, Univ Groningen, Groningen, Netherlands, [2]Dept Biology, Univ of California, Riverside, CA, USA

10:00 161 **Repeated Exposure Is Sufficient To Increase Acceptance Of A Novel Vegetable In Pre-School Children**
SJ CATON, SM AHERN, M HETHERINGTON
University of Leeds, Leeds, United Kingdom

10:15 162 **Imitation Of Palatable Food Intake Among Normal-Weight And Overweight Children**
KE BEVELANDER[1], A. LICHTWARCK-ASCHOFF[1], DJ ANSCHüTZ[1,2], RCJ HERMANS[1], RCME ENGELS[1]
[1]Behavioural Science Institute, Radboud University Nijmegen, Nijmegen, Netherlands, [2]Amsterdam School of Communication Research, University of Amsterdam, Amsterdam, Netherlands

10:30 - 11:00 AM Galerie

Coffee Break

11:00 - 12:00 PM "Audi Max" HG F 30

Mars Lecture - Stephen Woods

Chair(s): Randall Sakai

167 **Peptides, Food Intake And Body Weight: Problems Of Interpretation**
SC WOODS
University of Cincinnati, Cincinnati, OH, USA

12:00 - 1:30 PM "Semper Aula" HG G 60

Professional Development Symposium

Student and Postdoc attendees only please.

FRIDAY, JULY 13 - PM

4:00 - 6:00 PM HG F1

Oral 5: Assorted Topics in Ingestive Behavior

Chair(s): Hans Rudi-Berthoud

4:00 168 **Hypothalamic Glycogen-Synthase-Kinase 3β Has A Central Role In Energy- And Glucose Metabolism**
A. TUPS
Department of Animal Physiology, Faculty of Biology, Philipps University Marburg, Marburg, Germany

4:15 169 **Dorsomedial Hypothalamic NPY Affects Cholecystokinin-Induced Satiety Via Modulation Of Brainstem Catecholamine Neuronal Signaling**
C BARBIER DE LA SERRE, YJ KIM, PT CHAO, S BI
Dept of Psychiatry, Johns Hopkins University School of Medicine, Baltimore, MD, USA

4:30 170 **Ablation Of Sim1 Neurons Causes Obesity Through Hyperphagia And Reduced Energy Expenditure**
D XI, N GANDHI, M LAI, B KUBLAOUI
The Children's Hospital of Philadelphia, Philadelphia, PA, USA

4:45 171 **Synphilin-1 Alters Metabolic Homeostasis In A Drosophila Obesity Model**
J LIU[1], T LI[1], D YANG[1], R MA[1], TH MORAN[2], WW SMITH[1]
[1]Department of Pharmaceutical Sciences, University of Maryland School of Pharmacy, Baltimore, MD, USA, [2]Department of Psychiatry, Johns Hopkins University School of Medicine, Baltimore, MD, USA

5:00 172 **NITA AWARD RECEPIENT**
Nucleus Accumbens GLP-1 Receptors Contribute To Nutrient-Induced Satiety
AM DOSSAT, DL WILLIAMS
Florida State University, Tallahassee, FL, USA

5:15 173 **Effects Of Circadian Misalignment On Sleep, Energy Expenditure, Appetite And Related Hormones**
HKJ GONNISSEN, F RUTTERS, C MAZUY, EAP MARTENS, TC ADAM, MS WESTERTERP-PLANTENGA
Dept. Human Biology, Maastricht University, Maastricht, Netherlands

FRIDAY, JULY 13 - PM

4:00 - 6:00 PM HG F1

Oral 5: Assorted Topics in Ingestive Behavior (continued)

5:30 174 **The Effect Of Meta-Chlorophenylpiperazine (mCPP) On Appetite Ratings And Food Intake In Healthy Volunteers**

JM THOMAS[1], J TOMLINSON[2], Z HASSAN-SMITH[2], CT DOURISH[3], S HIGGS[1]

[1]School of Psychology, University of Birmingham, Edgbaston, Birmingham, United Kingdom, [2]Centre for Endocrinology, School of Clinical and Experimental Medicine, University of Birmingham, Birmingham, Edgbaston, Birmingham, United Kingdom, [3]P1vital, Department of Psychiatry, University of Oxford, Oxford, United Kingdom

5:45 175 **Effects Of Sleep Restriction On Body Weight And Food Intake In Healthy Adults**

AM SPAETH, N GOEL, DF DINGES

University of Pennsylvania, Philadelphia, PA, USA

4:00 - 6:00 PM HG F7

Oral 6: Chemical Senses

Chair(s): Nick Bello and Yada Treesukosol

4:00 176 **Dissociating Intra-Gastric Vs. Oral Routes Of Feeding In High-Fat Induced Obesity**

L. A TELLEZ[1,2], J. F FERREIRA[1,2], I.E. DE ARAUJO[1,2]

[1]The J.B. Pierce Laboratory, New Haven, CT, USA, [2]Department of Psychiatry, Yale University School of Medicine, New Haven, CT, USA

4:15 177 **Induction Of Conditioned Taste Aversion Leads To Phasic Suppression Of Dopamine Release In Nucleus Accumbens Shell**

JE MCCUTCHEON, AL LORIAUX, MF ROITMAN

Dept of Psychology, University of Illinois at Chicago, Chicago, IL, USA

FRIDAY, JULY 13 - PM

4:30 178 **Macronutrient Selection Of Mice Is Influenced By *Itpr3*, The Inositol 1,4,5-Triphosphate Receptor Type 3 Gene, Or A Nearby Gene**
MG TORDOFF, JM MARKS, SA JAJI, HT ELLIS
Monell Chemical Senses Center, Philadelphia, PA, USA

4:45 179 **Texture And Taste Influence On Food Intake For A Realistic Savoury Lunch-Time Meal**
C.G. FORDE[1], N. VAN KUIJK[2], T. THALER[1], C. DEGRAAF[2], N. MARTIN[1]
[1]Nestle Research Centre, Lausanne, Switzerland, [2]Wageningen University, Wageningen, Netherlands

5:00 180 **Roux-En Y Gastric Bypass Surgery Decreases Bitter And Umami Taste Perception Thresholds In Severely Obese Subjects**
B SCHULTES, J ULLRICH, B WILMS, B ERNST, M THURNHEER
Interdisciplinary Obestiy Center, Cantonal Hospital St. Gallen, Rorschach, Switzerland

5:15 181 **Association Between Impulsiveness And Pleasantness Ratings For Food And Drugs**
LJ NOLAN
Psychology Department, Wagner College, Staten Island, NY, USA

5:30 182 **The Flexibility Of Olfactory Preferences: Do Decision-Making Processes Matter In The Long Run?**
G COPPIN[1,2], S DELPLANQUE[1,2], D SANDER[1,2]
[1]Swiss Center for Affective Sciences, Geneva, Switzerland, [2]E3 Lab, Department of Psychology, University of Geneva, Geneva, Switzerland

5:45 183 **Effects Of Oral Exposure Duration And Gastric Energy Content On Energy Intake And Appetite Ratings**
A WIJLENS[1], A ERKNER[2], M MARS[1], C DE GRAAF[1]
[1]Division of Human Nutrition, Wageningen University, Wageningen, Netherlands, [2]Nestec Ltd, Nestlé Research Centre, Lausanne, Switzerland

FRIDAY POSTER SESSION 3

6:00 - 8:00 PM Galerie

Poster Session 3

P100 - Water/NaCl/Osmotic Balance / Beverages
P200 - Early life / Epigenetic / Sex and Gender Differences
P300 - Assorted Topics

P100 184 **Involvement of central cholinergic mechanisms on fluid intake induced by deactivation of the lateral parabrachial nucleus**
DS ASNAR, CF RONCARI, LA DE LUCA JR, PM DE PAULA, DSA COLOMBARI, JV MENANI
Dept. of Physiol. and Pathol., Dentistry School, UNESP, Araraquara, Brazil

P101 185 **Fluid and electrolyte disturbances in the melanocortin-4 receptor deficient-rat**
DP BEGG[1], JD MUL[1], RR SAKAI[1], H AMLAL[2], RJ SEELEY[1], SC WOODS[1]
[1]Metabolic Diseases Institute, University of Cincinnati, Cincinnati, OH, USA, [2]Department of Medicine, University of Cincinnati, Cincinnati, OH, USA

P102 186 **Evaluating the potential for rostral diffusion in the cerebral ventricles using angiotensin II-induced drinking in rats**
D DANIELS, A MARSHALL
Department of Psychology, University at Buffalo, SUNY, Buffalo, NY, USA

P103 187 **Extracellular dehydration sensitizes sugar intake.**
LA DE LUCA JR[1], BM SANTOS[1], RL ALMEIDA[1], RC VENDRAMINI[2], RB DAVID[1], JV MENANI[1]
[1]Dept. Physiol. Pathol., Sch. Dentistry, UNESP, Araraquara, Brazil, [2]Dept. Clin. Analysis, Sch. Pharmacy, UNESP, Araraquara, Brazil

P104 188 **Salt appetite across generations: aged and middle-aged.**
K HENDI, M LESHEM
Department of Psychology, University of Haifa, Haifa, Israel

P105 189 **The NMDA receptor antagonist MK-801 prevents sensitization of water and sodium intake in the furo/cap model of extracellular dehydration**
S W HURLEY, A K JOHNSON
Department of Psychology University of Iowa, Iowa City, IA, USA

FRIDAY POSTER SESSION 3

P106 190 **Hydrogen sulfide as a fluid balance and food intake regulator**
CS KHADEMULLAH, AV FERGUSON
Queens University, Kingston, ON, Canada

P107 191 **Neuronal activation by ghrelin and angiotensinII.**
KS PLYLER, D DANIELS
Dept. Psychology, Univ. Buffalo, Buffalo, NY, USA

P108 192 **Peripheral modulation of taste responses by angiotensin II**
N SHIGEMURA, T OHKURI, N HORIO, S IWATA, K YASUMATSU, Y NINOMIYA
Section of Oral Neuroscience, Graduate School of Dental Sciences, Kyushu University, Fukuoka, Japan

P109 193 **Renal basis for glucocorticoid potentiation of salt appetite in rats.**
RL THUNHORST[1,2], TG BELTZ[1], AK JOHNSON[1,2]
[1]Department of Psychology, University of Iowa, Iowa City, IA, USA, [2]Cardiovascular Center, University of Iowa, Iowa City, IA, USA

P110 194 **Role of the anteroventral third ventricle region in angiotensin II-induced behavioral desensitization.**
P.J. VENTO, D. DANIELS
Department of Psychology, University at Buffalo, Buffalo, NY, USA

P111 195 **Isotonic sodium chloride prevents the negative energy balance associated with angiotensin converting enzyme inhibition**
RS WEISINGER[1], DP BEGG[1], SD PREMARATNA[1], EEM CUTAJAR[1], M JOIS[2]
[1]School of Psychological Science, La Trobe University, Melbourne, Australia, [2]Dept of Agricultural Science, La Trobe University, Melbourne, Australia

P200 196 **Sexually dimorphic BOLD signaling and functional neural connectivity via fMRI in response to high vs. low energy-dense food cues in obese people**
D ATALAYER[1,2], SP PANTAZATOS[1], N ASTBURY[1,2], C GIBSON[2], H MCOUATT[2], A GELIEBTER[1,2]
[1]Columbia University Medical Center, New York, NY, USA, [2]St. Luke's Roosevelt Hospital, New York, NY, USA

FRIDAY POSTER SESSION 3

P201 197 **Adolescence highly palatable food modulates anxiety-related behaviors of rats that experienced neonatal maternal separation**
JY KIM, E PARK, JY LEE, JH LEE, JW JAHNG
Seoul National University School of Dentistry, Seoul, South Korea

P202 198 **Meal type, gender, and beliefs about body shape**
C MAHONEY, RB KANAREK, J HAYES
Department of Psychology Tufts University, Medford, MA, USA

P203 199 **Epigenetic modifications in the hypothalamic Arcuate nucleus by chronic high fat diet in rats**
A MARCO[1], T KISLIOUK[2], N MEIRI[2], A WELLER[1]
[1]Bar-Ilan University, Ramat-Gan, Israel, [2]Volcani Center, Bet Dagan, Israel

P204 200 **Sex differences in HPA axis activity in response to a meal**
EAP MARTENS, SGT LEMMENS, TCM ADAM, MS WESTERTERP-PLANTENGA
Department of Human Biology, Maastricht University, Maastricht, Netherlands

P205 201 **Comparison of Repeated exposure, Flavour-Flavour Learning, and Flavour-Nutrient Learning to increase vegetable intake in weaning infants**
E REMY[1], S ISSANCHOU[1], V BOGGIO[2], N NICKLAUS[1]
[1]Centre des Sciences du Goût et de l'Alimentation, Dijon, France, [2]CHU, Dijon, France

P206 202 **Genome-wide assessment of differential DNA methylation in offspring of rat dams fed high-fat diet**
K.L. TAMASHIRO, R.S. LEE, E.R. EWALD, G.J. BOERSMA, B. SUN, R.H. PURCELL, A.A. MOGHADAM, J.B. POTASH, Z.A. KAMINSKY
Department of Psychiatry, Johns Hopkins University, Baltimore, MD, USA

P207 203 **Effects of adolescent dietary exposure on adult feeding and metabolism**
JL VERPEUT[1,2], AL WALTERS[1], Y YEH[1], NT BELLO[1,2]
[1]Rutgers, The State University of New Jersey, Department of Animal Sciences, New Brunswick, NJ, USA, [2]Rutgers, The State University of New Jersey, Endocrinology and Animal Biosciences Graduate Program, New Brunswick, NJ, USA

FRIDAY POSTER SESSION 3

P208 204 **Effects of sex, body size and physical task on personal attribute ratings**
T WRIGHT, J KOLKS, K FLEISCHMANN, K MCCOMBS, B RAUDENBUSH
Wheeling Jesuit University, Wheeling, WV, USA

P209 205 **Anorexigenic Effects of Brain-Derived Neurotrophic Factor is Regulated by Estradiol**
Z ZHU, H SHI
Miami University, Oxford, OH, USA

P300 206 **Role of the mTORC1 pathway in determining the weight-loss and neuro-proliferative effects of the ciliary neurotrophic factor in mice.**
C ANDRé[1,2], C CATANIA[1,2], E BINDER[1,2], W MAZIER[1,2], S CLARK[1,2], D COTA[1,2]
[1]INSERM U862, group Energy Balance and Obesity, Bordeaux, France, [2]University of Bordeaux, Bordeaux, France

P301 207 **Feeding suppression and cardiovascular alterations of nisoxetine, a selective norepinephrine reuptake inhibitor.**
NT BELLO, JL VERPEUT, AL WALTERS, PP CUNHA
Rutgers, The State University of New Jersey, New Brunswick, NJ, USA

P302 208 **Effects on body weight, body composition, metabolism and insulin sensitivity in TRPM5 KO-mice on high fat diet**
P BRODIN, K LUNDMARK, M LARSSON
AstraZeneca R&D, Mölndal, Sweden

P303 209 **Neuroprotective effect of polyunsaturated fatty acids in the hypothalamic cell lines**
TA BUTTERICK-PETERSON[2], M LITTLE[2], J NIXON[1,2], C BILLINGTON[1,2,3], CM KOTZ[1,2,3], CF WANG[1,2,3]
[1]VA health Care System, Minneapolis, MN, USA, [2]University of Minnesota, Twin Cities, MN, USA, [3]Minnesota Obesity Center, St. Paul, MN, USA

P304 210 **Effects of food neophobia and food neophilia on diet and metabolic processing**
A CAPIOLA, B RAUDENBUSH
Wheeling Jesuit University, Wheeing, WV, USA

FRIDAY POSTER SESSION 3

P305 211 **Site specific activation of lateral hypothalamic mGluR1 and R5 receptors elicits feeding in rats**
JR CHARLES[1], E HERNANDEZ[2], A WINTER[1], CR YANG[3], BG STANLEY[1,2]
[1]Department of Cell Biol. & Neurosci, University of California, Riverside, CA, USA, [2]Department of Psychology, University of California, Riverside, CA, USA, [3]Eli Lilly & Co, Indianapolis, IN, USA

P306 212 **Overweight and obese humans are less active at, but not away from, home**
JM DE CASTRO[1], GA KING[2], M DUARTE-GARDEA[2], S GONZALEZ-AYALA[3], CH KOOSHIAN[4]
[1]Sam Houston State University, Huntsville, TX, USA, [2]University of Texas at El Paso, El Paso, TX, USA, [3]Instituto Municipal de Investigación y Planeacíon, Ciudad Juarez, Mexico, [4]Ctiy of El Paso, El Paso, TX, USA

P307 213 **5-HT1a antagonists reduce food intake and body weight by reducing total meals with no conditioned taste aversion**
MJ DILL, DK SINDELAR
Eli Lilly & Co., Indianapolis, IN, USA

P308 214 **Personality as a risk factor for antipsychotic drug induced weight gain and insulin resistance.**
SS EVERS, G VAN DIJK, AJW SCHEURINK
University of Groningen, Groningen, Netherlands

P309 215 ***Acute central neuropeptide Y (NPY) administration increases food intake but does not affect hepatic very low-density lipoprotein (VLDL) production in mice***
J.J. GEERLING[1], Y. WANG[1], L.M. HAVEKES[1,2], J.A ROMIJN[1,3], P.C. RENSEN[1]
[1]Leiden University Medical Center, Leiden, Netherlands, [2]TNO-Metabolic Health Research, Leiden, Netherlands, [3]Academic Medical Center, Amsterdam, Netherlands

P310 216 **Ghrelin antagonizes the stimulatory effect of cocaine on ethanol self-administration**
SA GOLDBERG, GIS TODD, PJ CURRIE
Dept. Psychology, Reed College, Portland, OR, USA

P311 217 **Liraglutide and linagliptin improves glycemic control but show differential anti-obesity and hypolipidemic efficacy in a novel hamster model of diet-induced obesity and hypercholesterolemia**
F. HANSEN, G. HANSEN, P.J. PEDERSEN, J. JELSING, N. VRANG, H.B. HANSEN
Gubra Aps, Hørsholm, Denmark

FRIDAY POSTER SESSION 3

P312 218 **The role of catechol-O-methyl transferase *Val 108/158 Met* polymorphism (RS4680) in the effect of green tea on fat oxidation and energy expenditure**

PLHR JANSSENS, R HURSEL, FG BOUWMAN, ECM MARIMAN, MS WESTERTERP-PLANTENGA
Department of Human Biology, NUTRIM, Maastricht University, Maastricht, Netherlands

P313 219 **Effect of Subcutaneous Injection of Butorphanol on Exercise-Induced Suppression of Food Intake in the Rat**

E-M KIM[1], S ECCLES[2], AS LEVINE[3], E O'HARE[4]
[1]University of Ulster, Coleraine, United Kingdom, [2]Dublin Business School, Dublin, Ireland, [3]University of Minnesota, St Paul, MN, USA, [4]Queen's University, Belfast, United Kingdom

P314 220 **Association between the Serotonin Transporter in the Hypothalamic Infundibular Nucleus and BMI: a Post-Mortem study**

KEM KOOPMAN, A ALKEMADE, AJF BORGERS, E FLIERS, MJM SERLIE, SE LA FLEUR
Academic Medical Center, Amsterdam, Netherlands

P315 221 **Fibres and proteins combined in a biscuit seemed to have stronger effect than a single enriched one**

A LESDEMA[1], G FROMENTIN[1], A ARLOTTI[2], S VINOY[2], G AIRINEI[3], R BENAMOUZIG[3], D TOME[1], A MARSSET-BAGLIERI[1]
[1]AgroParisTech, INRA,UMR914 Nutrition Physiology and Ingestive Behavior, Paris, France, [2]Kraft Foods Europe R&D, Nutrition Department, Saclay, France, [3]CNRH-IdF, Gastroenteroly service, Avicenne APHP, University Paris 13, Bobigny, France

P316 222 **Can Eating When Empty Cure Crohn's?**

H D LOVELL-SMITH
Department of General Practice, Christchurch School of Medicine, University of Otago, Christchurch, New Zealand

FRIDAY POSTER SESSION 3

P317 223 **Effects of dried-bonito dashi (a traditional Japanese fish stock) on gastric emptying, gastric myoelectrical activity and hunger-satiety states in humans**
T MATSUNAGA[1], K TANEMURA[2], H YAMAZAKI[1], K TSUDA[2], T KONDOH[1]
[1]AJINOMOTO Integrative Research for Advanced Dieting, Graduate School of Agriculture, Kyoto University, Kyoto, Japan, [2]Laboratory of Metabolism, Graduate School of Human and Environmental Studies, Kyoto University, Kyoto, Japan

P318 224 **Effect of being weighed on responses to eating behavior questions**
C.R. PACANOWSKI, D.A. LEVITSKY
Cornell University, Ithaca, NY, USA

P319 225 **Physiological alterations upon withdrawal from an obesogenic diet: implications for dieting**
R PANDIT[1], JK VAN DEN HEUVEL[2], EM VAN DER ZWAAL[1], L EGGELS[2], SE LAFLEUR[2], RAH ADAN[1]
[1]Rudolf Magnus Institute of Neuroscience, University Medical Center Utrecht, Utrecht, Netherlands, [2]Department of Endocrinology and Metabolism, Academic Medical Center, University of Amsterdam, Amsterdam, Netherlands

P320 226 **Physiological responses of food neophobics and food neophilics to food and non-food stimuli**
B RAUDENBUSH, A CAPIOLA
Wheeling Jesuit University, Wheeling, WV, USA

P321 227 **Intracarotid infusion of Intralipid and glucose towards the brain alters food intake and glucose metabolism**
M RIJNSBURGER[1], C CRUCIANI-GUGLIEMACCI[2], J CASTEL[2], C MAGNAN[2], E FLIERS[1], A KALSBEEK[1], MJ SERLIE[1], SE LA FLEUR[1], S LUQUET[2]
[1]Dept of Endocrinology&Metabolism,AMC-UvA, Amsterdam, Netherlands, [2]2 Univ Paris Diderot,Sorbonne Paris Cité,EAC 4413 CNRS, Paris, France

P322 228 **The Sensory Circumventricular Organs: Alternative Targets for Circulating Leptin**
PM SMITH, CC HESKETH, AV FERGUSON
Dept of Biomedical and Molecular Sciences, Queen's University, Kingston, ON, Canada

FRIDAY POSTER SESSION 3

P323 229 **Cholecystokinin mediates hypoxia - induced inhibition of gastric emptying**
K SPLIETHOFF[1], O GöTZE[2], I ÄBERLI[3], M GASSMANN[1], TA LUTZ[1]
[1]Inst Vet Phys, UZH, ZH, Switzerland, [2]Div of Gastroenterol & Hepatol, USZ, ZH, Switzerland, [3]Clin Endocr, Diabetes & Clin Nutr, USZ, ZH, Switzerland

P324 230 **Blockade of Melanocortin 3/4 Receptors in Fisher 344 x Brown Norway Rats Does Not Prevent the Reduction of High-Fat Diet Intake During Voluntary Wheel Running**
KYE STREHLER, MK MATHENY, M GOMEZ, PJ SCARPACE
Department of Pharmacology, University of Florida, Gainesville, FL, USA

P325 231 **The effect of growth hormone supplementation on feed intake and plasma leptin in crossbred dairy goat during early lactating period**
S THAMMACHAROEN[1], W SUTHIKAI[2], W CHANCHAI[4], C CHANPONGSANG[3], N CHAIYABUTR[1]
[1]Department of Physiology, Bangkok, Thailand, [2]Research Center for Biotechnology in livestocks production, Bangkok, Thailand, [3]Department of Animal Husbandry, Faculty of Veterinary Science, Chulalongkorn University, Bangkok, Thailand, [4]Rajamongala University of Technology Lanna, Nan, Thailand

P326 232 **Behavioral traits of deregulated eating behavior and energy balance; evolutionary considerations from man to mouse**
G. VAN DIJK[1], M.J. KAS[2]
[1]CBN, Dep Neuroendocrinology, University of Groningen, Groningen, Netherlands, [2]RMI, Dept Neuroscience and Pharmacology, Behavioural Genomics Section, University Medical Centre Utrecht, Utrecht, Netherlands

P327 233 **Cafeteria diet programmes behaviour in rats**
JP VOIGT, TM WRIGHT, SC LANGLEY-EVANS
University of Nottingham, Nottingham, United Kingdom

P328 234 **Pectin with bulking, viscous or gelling properties have different effects on appetite**
AJ WANDERS, M MARS, C DE GRAAF, EJM FESKENS
Wageningen University, Wageningen, Netherlands

SATURDAY, JULY 14 - AM

8:30 - 10:30 AM HG F1

Symposium 7: Gut Microbiota: Invasion of the Body Snatchers

Chair(s): Roy Martin

8:30 235 **Diet And Microbiota Interactions In Intestinal Inflammation, Obesity And Insulin Resistance**
S DING, AT MAH, SF BORTVEDT, MA SANTORO, PK LUND
University of North Carolina at Chapel Hill, Chapel Hill, NC, USA

9:00 236 **The Gut Microbiota, Gut-Brain Axis And Regulation Of Food Intake**
HE RAYBOULD
UC Davis School of Veterinary Medicine, Davis, CA, USA

9:30 237 **Gut Microbiota, Low Grade Inflammation And Metabolism**
PD CANI
Université catholique de Louvain, Brussels, Belgium

10:00 238 **Regulation Of Adiposity And Energy Balance By Gastric Bypass-Altered Microbiota**
AP LIOU[1], PJ TURNBAUGH[2], LM KAPLAN[1]
[1]Obesity, Metabolism, & Nutrition Institute, MGH, Boston, MA, USA, [2]FAS Center for Systems Biology, Harvard University, Cambridge, MA, USA

SATURDAY, JULY 14 - AM

8:30 - 10:30 AM HG F7

Symposium 8: Perceptions and Neural Processing of Taste

Chair(s): Harvey Grill

8:30 239 **Psychophysical Analysis Of The Contribution Of The T1R Family Of Receptors In Saccharide Taste**
A.C. SPECTOR, Y. TREESUKOSOL
Dept. of Psychology, Florida State Univ., Tallahassee, FL, USA

9:00 240 **Sensory-Specific 'Appetition' : IG Glucose Infusion Specifically Enhances Consumption Of The Flavor That Accompanies It**
KP MYERS, MS TADDEO, EK RICHARDS
Bucknell University, Lewisburg, PA, USA

9:30 241 **Intrasolitary Pathways: Connecting The Rostral And Caudal NST**
SP TRAVERS, JB TRAVERS, Z CHEN, JM BREZA
Ohio State University, Columbus, OH, USA

10:00 242 **Bitter Taste: The Ubiquitous Paradox From Toxins In Our Food**
PA BRESLIN
Rutgers University, Department of Nutritional Sciences New Brunswick NJ & Monell Chemical Senses Center, Philadelphia, PA, USA

10:30 - 11:00 AM Galerie

Coffee Break

SATURDAY, JULY 14 - AM/PM

11:00 - 12:00 PM	"Audi Max" HG F 30
Mars Lecture - Giacomo Rizzolatti	

Chair(s): Alan Watts

243 **The Mirror Mechanism: Theoretical Bases And Clinical Relevance**
G RIZZOLATTI
Dipartimento di Neuroscienze, Università di Parma

12:00 - 2:30 PM	CLA J 1
P&B / Appetite Editorial Board Meeting (Elsevier)	

12:30 - 2:00 PM	Registration Area
Meet the Professor Lunch	

SATURDAY, JULY 14 - PM

2:30 - 4:15 PM	"Audi Max" HG F 30
Awards Session	

Chair(s): Thomas Lutz

2:30 **Introduction**
244 Thomas Lutz

2:45 **Hoebel Award: Harvey Grill**
245 Introduced By: Matthew Hayes

3:15 **Alan N. Epstein Research Award: Gorica Petrovich**
246 Introduced By: Alan Watts

3:45 **Distinguished Career: Stephen Woods**
247 Introduced By: Barry Levin

4:15 - 5:15 PM	"Audi Max" HG F 30
Business Meeting	

7:30 - Midnight	Swissotel
Banquet	

AUTHOR INDEX

AUTHOR INDEX

AUTHOR INDEX

PRE-REGISTRANT ATTENDEE DIRECTORY

Kathrin Abegg
University Of Zurich
Switzerland
Kathrin.Abegg@Uzh.Ch

Roger Adan
Rudolf Magnus Institute Of Neurosciences
Netherlands
R.A.H.Adan@Umcutrecht.nl

Shana Adise
City College Of New York
United States
Shanaadise@Optonline.Net

Sara Ahern
University Of Leeds
United Kingdom
Pssma@Leeds.Ac.Uk

Amber Alhadeff
University Of Pennsylvania
United States
Amber.Alhadeff@Gmail.com

Eva Almiron-Roig
Mrc Human Nutrition Research
United Kingdom
Eva.Almiron-Roig@Mrc-Hnr.cam.Ac.uk

Johan Alsio
University Of Cambridge
United Kingdom
Ja476@Cam.Ac.uk

Caroline Andre
Inserm U862
France
Caroline.Andre@Inserm.fr

Zane Andrews
Monash University
Australia
Zane.Andrews@Monash.edu

Myrtha Arnold
Swiss Federal Institute Of Technology
Switzerland
Myrtha-Arnold@Ethz.ch

Masami Asakawa
Bunkyo University
Japan
Asamasa@Shonan.Bunkyo.Ac.jp

Lori Asarian
University Of Zurich
Switzerland
Lasarian@Vetphys.Uzh.ch

Devina Bajaj
Arizona State University
United States
Devina.Bajaj@Asu.edu

Michelle Bales
Florida State University
United States
Bales@Psy.Fsu.edu

Claire Barbier De La Serre
Johns Hokins University
United States
Cdelaserre@Jhu.edu

Timothy Bartness
Georgia State Univ.
United States
Bartness@Gsu.edu

Denovan Begg
University Of Cincinnati
United States
Denovan.begg@Uc.edu

Nicholas Bello
Rutgers, The State University Of Nj
United States
Ntbello@Aesop.Rutgers.edu

Stephen Benoit
University Of Cincinnati
United States
Stephen.benoit@Uc.edu

Hans-Rudolf Berthoud
Louisiana State University
United States
Berthohr@Pbrc.edu

Kris Bevelander
Radboud University Nijmegen
Netherlands
K.bevelander@Pwo.Ru.nl

Joseph Beverly
University Of Illinois
United States
Beverly1@Illinois.edu

Sheng Bi
Johns Hopkins University
School Of Medicine
Usa
Sbi@Jhmi.edu

Jessica Biddinger
Purdue University
United States
Jbidding@Purdue.edu

Camille Blake
University Of Kentucky
United States
Camille.Blake@Uky.edu

William Blessing
Flinders University
Australia
W.W.Blessing@Flinders.edu.au

Jackie Blissett
University Of Birmingham
United Kingdom
J.Blissett@Bham.Ac.uk

Gretha Boersma
Johna Hopkins University
United States
Gboersm1@Jhmi.edu

Dieuwerke Bolhuis
Wageningen University
Netherlands
Dieuwerke.Bolhuis@Wur.nl

Tito Borner
University Of Zurich
Switzerland
Tito_Borner@Access.Uzh.ch

Sebastien Bouret
The Saban Research Institute, Usc
United States
Sbouret@Chla.Usc.edu

Charles Bourque
Mcgill University
Canada
Charles.Bourque@Mcgill.ca

Christina Boyle
University Of Zürich
Switzerland
Boyle@Vetphys.Uzh.ch

Fiona Braegger
Universitat Zürich
Switzerland
Fiona.Braegger@Uzh.ch

Paul Breslin
Monell
Usa
Breslin@Monell.org

Dana Briggs
Monash University
Australia
Dana.Briggs@Monash.edu

Charlotte Bryant
University Of Manchester
United Kingdom
Charlotte.Bryant@Postgrad.Manchester.Ac.uk

Carlos Campos
Washington State University
United States
Carlos_Campos@Wsu.edu

Patrice Cani
Université Catholique De Louvain
Belgium
Patrice.cani@Uclouvain.be

August Capiola
Wheeling Jesuit University
United States
Acapiola702@Cardinal.Wju.edu

Jill Carmody
Massachusetts General Hospital
United States
Jcarmody02@Partners.org

Susan Carnell
Columbia University
United States
Susan.carnell@Gmail.com

Angie Cason
Medical University Of South Carolina
United States
Casona@Musc.edu

PRE-REGISTRANT ATTENDEE DIRECTORY

Joanne Cecil
University Of St. Andrews
Scotland
Jc100@St-Andrews.Ac.uk

Adam Chambers
University Of Cincinnati
United States
Adam.chambers@Uc.edu

Jonathan Charles
University Of California, Riverside
United States
Jonathan1jc@Hotmail.com

Carlo Cifani
University Of Camerino
Italy
Carlo.Cifani@Unicam.It

Rosmarie Clara
Eth Zürich
Switzerland
Rosmarie-Clara@Ethz.ch

Sindy Cole
Boston College
United States
Sindy.Cole@Bc.edu

Geraldine Coppin
Swiss Center For Affective Sciences
Switzerland
Geraldine.Coppin@Gmail.com

Daniela Cota
Inserm
France
Daniela.Cota@Inserm.fr

Paul Currie
Reed College
United States
Pcurrie@Reed.edu

Kristen D'anci
Tufts University
United States
Kristen.Danci@Tufts.edu

Louise Dalbøge
Gubra
Denmark
Lsd@Gubra.dk

Derek Daniels
University At Buffalo, Suny
United States
Danielsd@Buffalo.edu

Caroline Davis
York University
Canada
Cdavis@Yorku.ca

John De Castro
Sam Houston State University
United States
Jdecastro@Shsu.edu

Bart De Jonghe
University Of Pennsylvania
United States
Bartd@Nursing.Upenn.edu

Guillaume De Lartigue
Uc Davis
United States
Gdelartigue@Ucdavis.edu

Laurival De Luca Jr.
Foar, São Paulo State University - Unesp
Brazil
Lucajr@Foar.Unesp.Br

Bhavna Desai
Georgia Health Sciences University
United States
Bdesai@Georgiahealth.edu

Suzanne Dickson
The University Of Gothenburg
Sweden
Suzanne.Dickson@Gu.Se

Charlene Diepenbroek
Academic Medical Center
Netherlands
C.Diepenbroek@Amc.Uva.nl

Garron Dodd
University Of Manchester
United Kingdom
Garron.Dodd@Manchester.Ac.uk

Annika Donauer
Universitat Zürich
Switzerland
Annika.Donauer@Vetphys.Uzh.ch

Claudia Dörig
Eth Zürich
Switzerland
Cdoerig@Student.Ethz.ch

Amanda Dossat
Florida State University
United States
Adossat@Neuro.Fsu.edu

Stephanie Ebner
University Of Illinois At Chicago
United States
Sebner2@Uic.edu

Joel Elmquist
Ut Southwestern Medical Center At Dallas
United States
Joel.Elmquist@Utsouthwestern.edu

Remy Eloise
Inra- Csga
France
Eloise.Remy@Dijon.Inra.fr

Alice Ely
Drexel University
United States
Alice.Ely@Gmail.com

Alfrun Erkner
Nestlé Research Center
Switzerland
Alfrun.Erkner@Rdls.Nestle.com

Simon Evers
University Of Groningen
Netherlands
S.S.Evers@Rug.nl

Christine Feinle-Bisset
University Of Adelaide
Australia
Christine.Feinle@Adelaide.edu.au

Alastair Ferguson
Queen's University
Canada
Avf@Queensu.ca

Serguei Fetissov
Rouen University
France
Serguei.Fetissov@Univ-Rouen.fr

Ciaran Forde
Nestle Research Centre
Switzerland
Ciaran.Forde@Rdls.Nestle.com

Samantha Fortin
University Of Pennsylvania
United States
Safortin88@Gmail.com

Marie François
Umr1073
France
Francoise.Ablancourt@Univ-Rouen.fr

Sabine Frank
University Of Tübingen
Germany
S.frank@Uni-Tuebingen.de

Neta Frankel
Bar-Ilan University
Israel
Neta.frankel@Gmail.com

Su Gao
Scripps Research Institute
United States
Sgao@Scripps.edu

Nori Geary
Retired
Switzerland
Ndg47@Hotmail.com

Allan Geliebter
St. Luke's Hosp, Columbia Univ/ Touro
United States
Ag58@Columbia.edu

Maartje Geraedts
University Of Maryland School Of Medicin
United States
M.Geraedts@Umaryland.edu

Edward Gibson
University Of Roehampton
United Kingdom
L.Gibson@Roehampton.Ac.uk

PRE-REGISTRANT ATTENDEE DIRECTORY

Hanne Gonnissen
Maastricht University
Netherlands
Hkj.Gonnissen@Maastrich-tuniversity.nl

Bernadette Grayson
University Of Cincinnati
United States
Bernadette.Grayson@Uc.edu

Sanne Griffioen-Roose
Wageningen University
Netherlands
Sanne.Griffioen-Roose@Wur.nl

Harvey Grill
University Of Pennsylvania
Usa
Grill@Psych.Upenn.edu

Stefano Guidotti
University Of Groningen
Netherlands
S.Guidotti@Rug.nl

Andras Hajnal
The Pennsylvania State Univ.-Hershey Med
United States
Ahajnal@Psu.edu

Manfred Hallschmid
University Of Tuebingen
Germany
Manfred.Hallschmid@Uni-Tuebingen.de

Katherine Halmi
Weill Medical College Of Cornell Univers
United States
Kah29@Cornell.edu

Frederik Hansen
Gubra Aps
Denmark
Fh@Gubra.dk

Todd Hare
University Of Zurich
Switzerland
Todd.Hare@Econ.Uzh.ch

Sara Hargrave
Purdue University
United States
Sara.Hargrave@Gmail.com

Ruth Harris
Georgia Health Sciences University
United States
Ruharris@Georgiahealth.edu

Matthew Hayes
University Of Pennsylvania
United States
Hayesmr@mail.med.upenn.edu

Gabriella Heruc
University Of Adelaide
Australia
Gabriella.Heruc@Adelaide.edu.au

Marion Hetherington
University Of Leeds
United Kingdom
M.Hetherington@Leeds.Ac.uk

Suzanne Higgs
University Of Birmingham
United Kingdom
S.Higgs.1@Bham.Ac.uk

Peter Holland
Johns Hopkins University
United States
Pch@Jhu.edu

Seth Hurley
University Of Iowa
United States
Seth-Hurley@Uiowa.edu

Kim Hye Young
Korea Food Research Institute
South Korea
Khyey@Kfri.Re.kr

Toshifumi Imada
Ajinomoto U.S.A. Inc.
United States
Imadat@Ajiusa.com

Jeong Won Jahng
Seoul National University
College Of Dentistry
Korea
Jwjahng@Snu.Ac.kr

Pilou Janssens
Maastricht University
Netherlands
Plhr.Janssens@Maastrich-tuniversity.nl

Morten Jensen
University Of Copenhagen
Denmark
Mojen@Sund.Ku.dk

Alan Johnson
University Of Iowa
United States
Alan-Johnson@Uiowa.edu

Miranda Johnson
Umdnj/Va New Jersey
United States
Johnso59@Umdnj.edu

Josua Jordi
Universität Zürich
Switzerland
Josua.Jordi@Access.Uzh.ch

Juliane Kampe
Monash University
Australia
Juliane.Kampe@Monash.edu

Robin Kanarek
Tufts University
United States
Robin.Kanarek@Tufts.edu

Scott Kanoski
University Of Pennsylvania
United States
Kanoski@Sas.Upenn.edu

Elnaz Karimian
Ifnh
Switzerland
Elnaz-Karimian@Ethz.ch

Kristen Kay
Florida State University
United States
Kek06c@Gmail.com

Kathleen Keller
The Pennsylvania State University
United States
Klk37@Psu.edu

Stephen Kentish
University Of Adelaide
Australia
Stephen.Kentish@Adelaide.edu.au

Sahara Khademullah
Queens University
Canada
11ck13@Queensu.ca

Bom Taeck Kim
Ajou University School Of Medicine
Korea
Lovesong@Ajou.Ac.kr

Camille King
Stetson University
United States
Cking@Stetson.edu

Michael King
Stetson University
United States
Mking@Stetson.edu

Kimberly Kinzig
Purdue University
United States
Kkinzig@Psych.Purdue.edu

Harry Kissileff
St. Luke's Roosevelt Hosp.
United States
Hrk2@Columbia.edu

Akihiko Kitamura
Monell Chemical Senses Center
United States
Aki.Kitamura7@Gmail.com

Tamás Kitka
Gedeon Richter Plc.
Hungary
T.Kitka@Richter.Hu

Catherine Kotz
Va Medical Center & University Of Mn
United States
Kotzx004@Umn.edu

PRE-REGISTRANT ATTENDEE DIRECTORY

Tanja Kral
University Of Pennsylvania
United States
Tkral@Nursing.Upenn.edu

Alison Kreisler
University Of Pittsburgh
United States
Adk45@Pitt.edu

Jean-Philippe Krieger
Eth Zürich
Switzerland
Jean-Philippe-Krieger@Ethz.ch

Stephanie Kullmann
Meg Center
Germany
Stephanie.Kullmann@Med.Uni-Tuebingen.de

Susanne La Fleur
Academic Medical Center, Amsterdam
Netherlands
S.E.Lafleur@Amc.Uva.nl

Gwenaël Labouèbe
University Of Lausanne
Switzerland
Gwenael.Labouebe@Unil.ch

Marie Labouesse
Eth Zürich
Switzerland
Marie-Labouesse@Ethz.ch

Wolfgang Langhans
Eth Zürich
Switzerland
Wolfgang-Langhans@Ethz.ch

Michelle Lee
Swansea University
United Kingdom
M.D.Lee@Swansea.Ac.uk

Shin Lee
Eth Zürich
Switzerland
Shin-Lee@Ethz.ch

Este Leidmaa
Max Planck Institute Of Psychiatry
Germany
Esteleidmaa@Gmail.com

Sofie Lemmens
Maastricht University
Netherlands
S.Lemmens@Maastrichtuniversity.nl

Micah Leshem
University Of Haifa
Israel
Micah.Leshem@Psy.Haifa.Ac.Il

Barry Levin
Va Medical Center
United States
Levin@Umdnj.edu

David Levitsky
Cornell University
Usa
Dal4@Cornell.edu

Nu-Chu Liang
Johns Hopkins University
United States
Nliang2@Jhmi.edu

Wolfgang Liedtke
Duke University
United States
Wolfgangliedtke@Mac.com

Alice Liou
Massachusetts General Hospital
United States
Aplioudvm@Gmail.com

Tanya Little
University Of Adelaide Discipline Of Med
Australia
Tanya.Little@Adelaide.edu.au

Min Liu
University Of Cincinnati
United States
Lium@Uc.edu

Amy Loriaux
University Of Illinois
United States
Asolom2@Uic.edu

Michael Lowe
Drexel University
United States
Lowe@Drexel.edu

Natalie Loxton
The University Of Queensland
Australia
N.Loxton@Uq.edu.au

Simon Luckman
University Of Manchester
United Kingdom
Simon.Luckman@Manchester.Ac.uk

Natalie Luscombe-Marsh
University Of Adelaide
Australia
Natalie.Luscombe@Adelaide.edu.au

Thomas Lutz
University Of Zurich
Switzerland
Tomlutz@Vetphys.Uzh.ch

James Maniscalco
University Of Pittsburgh
United States
Jwm58@Pitt.edu

Abdelhak Mansouri
Physiology And Behaviour Laboratory
Switzerland
Abdelhak.Mansouri@Gmail.com

Asaf Marco
Bar-Ilan University
Israel
Asafmarco@Gmail.com

Monica Mars
Wageningen University
Netherlands
Monica.Mars@Wur.nl

Eveline Martens
Maastricht University
Netherlands
Eap.Martens@Maastrichtuniversity.nl

Mieke Martens
University Of Maastricht
Netherlands
Mieke.Martens@Maastrichtuniversity.nl

Roy Martin
Western Human Nutrition Research Center
United States
Rjmartin@Lsu.edu

Una Masic
University Of Sussex
United Kingdom
U.Masic@Sussex.Ac.uk

Clare Mathes
Florida State University
United States
Cmathes@Neuro.Fsu.edu

Tetsuro Matsunaga
Kyoto University
Japan
Dmmed-028@Umin.Ac.jp

Eugenia Mc Allister
Eth Zürich
Switzerland
Eugenia-Mcallister@Eth.ch

Keri Mccrickerd
University Of Sussex
United Kingdom
K.Mccrickerd@Sussex.Ac.uk

James Mccutcheon
University Of Illinois-Chicago
United States
Mccutcheon.James@Gmail.com

Shane Mckie
University Of Manchester
United Kingdom
Shane.Mckie@Manchester.Ac.uk

John Mclaughlin
University Of Manchester
United Kingdom
John.Mclaughlin@Manchester.Ac.uk

PRE-REGISTRANT ATTENDEE DIRECTORY

Björn Meister
Karolinska Institutet
Sweden
Bjorn.Meister@Ki.Se

José Menani
School Of Dentitry, Unesp - Araraquara
Brazil
Menani@Foar.Unesp.Br

Anne Christin Meyer-Gerspach
University Hospital Basel
Switzerland
Gerspacha@Uhbs.ch

Wolfgang Meyerhof
German Institute Of Human Nutrition
Germany
Meyerhof@Dife.de

Maria Vittoria Micioni Di Bonaventu
University Of Camerino
Italy
Mariavittoria.Micioni@Unicam.It

Elizabeth Mietlicki-Baase
University Of Pennsylvania
United States
Ebaase@Mail.Med.Upenn.edu

Andrea Mimee
Queen's University
Canada
8am96@Queensu.ca

Timothy Moran
Johns Hopkins University School Of Medic
United States
Tmoran@Jhmi.edu

Christopher Morrison
Pennington Biomedical Research Center
Usa
Morriscd@Pbrc.edu

Heike Muenzberg-Gruening
Pennington Biomedical Research Center
United States
Heike.Munzberg@Pbrc.edu

Joram Mul
University Of Cincinnati
United States
Joramdmul@Gmail.com

Melissa Murphy
Rutgers University
United States
Mam816@Eden.Rutgers.edu

Kevin Myers
Bucknell University
United States
Kmyers@Bucknell.edu

Roxana Nemes Bratis
Pierre Boucher Hospital
Canada
Rnbratis@Aol.com

Katie Newens
Sugar Nutrition Uk
United Kingdom
Katie@Sugarnutrition.org.uk

Saleem Nicola
Albert Einstein College Of Medicine
United States
Saleem.nicola@Einstein.Yu.edu

Yuzo Ninomiya
Kyushu University, Graduate School Of Dental Sciences
Japan
Yuninom@Dent.Kyushu-U.Ac.jp

Joshua Nixon
Va Medical Center
United States
Nixon049@Umn.edu

Laurence Nolan
Wagner College
United States
Lnolan@Wagner.edu

Masao Okano
Bunkyo University
Japan
Okano@Shonan.Bunkyo.Ac.jp

Brian Oldfield
Monash University
Australia
Brian.Oldfield@Med.Monash.edu.au

Joelle Oosterman
Academic Medical Center Amsterdam
Netherlands
J.E.Oosterman@Amc.Uva.nl

Marije Oostindjer
Norwegian University Of Life Sciences
Norway
Marije.Oostindjer@Umb.no

Melania Osto
University Of Zurich
Switzerland
Mosto@Vetphys.Uzh.ch

Joost Overduin
Nizo
Netherlands
Joverduin@Yahoo.com

Amanda Page
University Of Adelaide
Australia
Amanda.Page@Health.Sa.Gov.au

Rahul Pandit
Netherlands
Rpandit@Umcutrecht.nl

Esther Papies
Utrecht University
Netherlands
E.K.Papies@Uu.nl

Scott Parker
American University
United States
Sparker@American.edu

Gorica Petrovich
Boston College
United States
Gorica.Petrovich@Bc.edu

Kimberly Plyler
University At Buffalo, Suny
United States
Kplyler@Buffalo.edu

Tanja Pohl
Otto-Von-Guericke University Magdeburg
Germany
Tanja.Pohl@Ovgu.de

James Polston
Penn State Hershey College Of Medicine
United States
Jpolston@Psu.edu

Emmanuel Pothos
Tufts University, School Of Medicine
Usa
Emmanuel.Pothos@Tufts.edu

Hubert Preissl
University Of Tübingen
Germany
Hubert.Preissl@Uni-Tuebingen.de

Carolyn Pritchett
Pennsylvania State University
United States
Cpk128@Psu.edu

Mukesh Punjabi
Eth Zürich
Switzerland
Mukesh-Punjabi@Ethz.ch

Deepti Ramachandran
Eth Zürich
Switzerland
Deepti-Ramachandran@Ethz.ch

Cecilia Ratner
Copenhagen University, Health Faculty
Denmark
Cnl535@Sund.Ku.dk

Bryan Raudenbush
Wheeling Jesuit University
United States
Raudenbc@Wju.edu

PRE-REGISTRANT ATTENDEE DIRECTORY

Helen Raybould
Uc Davis School Of Veterinary Medicine
Usa
Heraybould@Ucdavis.edu

Thomas Riediger
University Of Zurich
Switzerland
Triedig@Vetphys.Uzh.ch

Merel Rijnsburger
Amc Amsterdam
Netherlands
M.Rijnsburger@Amc.Uva.nl

Linda Rinaman
University Of Pittsburgh
United States
Rinaman@Pitt.edu

Robert Ritter
Washington State University
United States
Britter@Vetmed.Wsu.edu

Sue Ritter
Washington State University
United States
Sjr@Vetmed.Wsu.edu

Peter Rogers
University Of Bristol
United Kingdom
Peter.Rogers@Bristol.Ac.uk

Jamie Roitman
University Of Illinois At Chicago
United States
Jroitman@Uic.edu

Mitchell Roitman
University Of Illinois At Chicago
United States
Mroitman@Uic.edu

Adele Romano
University Of Rome
Italy
Adele-Romano@Libero.It

Alexander Ross
University Of Aberdeen
United Kingdom
A.Ross@Abdn.Ac.uk

Sylvia Rowe
Sr Strategy
United States
Rowe@Srstrategy.com

Laura Rupprecht
University Of Pennsylvania
United States
Lrupp@Mail.Med.Upenn.edu

Amy Ryan
University Of Adelaide
Australia
Amy.Ryan@Adelaide.edu.au

Randall Sakai
University Of Cincinnati
United States
Randall.Sakai@Uc.edu

Willis Samson
Saitn Louis University
United States
Samsonwk@Slu.edu

Graciela Sanchez-Watts
University Of Southern California
United States
Sanchezw@Usc.edu

Anton Scheurink
University Of Groningen
Netherlands
A.J.W.Scheurink@Rug.nl

Lindsey Schier
Purdue University
United States
Laschier@Hotmail.com

Gudrun Schober
Eth Zürich
Switzerland
Gudrun-Schober@Ethz.ch

Gary Schwartz
Albert Einstein College Of Medicine
United States
Gary.Schwartz@Einstein.Yu.edu

Ling Shen
University Of Cincinnati
United States
Shenln@Uc.edu

Haifei Shi
Miami University
United States
Shih@Muohio.edu

Noriatsu Shigemura
Kyushu University
Japan
Shigemura@Dent.Kyushu-U.Ac.jp

Dana Small
Yale University/ The John B Pierce Lab
United States
Dsmall@Jbpierce.org

Pauline Smith
Queen's University
Canada
Pms1@Queensu.ca

Wanli Smith
University Of Maryland School Of Pharmac
United States
Wsmith@Rx.Umaryland.edu

Derek Snyder
Yale University
United States
Derek.Snyder.1@Gmail.com

Shinji Somekawa
Ajinomoto Co., Inc.
Japan
Shinji_Somekawa@Ajino-moto.com

Andrea Spaeth
The University Of Pennsylvania
United States
Andreamariespaeth@Gmail.com

Alan Spector
Florida State University
United States
Spector@Psy.Fsu.edu

Kerstin Spliethoff
Universitat Zürich
Switzerland
Kspliethoff@Vetphys.Uzh.ch

Ulrike Stadlbauer
Eth Zürich
Switzerland
Ulrike-Stadlbauer@Ethz.ch

Laura Steinbusch
University Of Lausanne
Switzerland
Laura.Steinbusch@Unil.ch

Scott Sternson
Janelia Farm/Hhmi
United States
Sternsons@Janelia.Hhmi.org

Kevin Strehler
University Of Florida
United States
Kstrehler@Ufl.edu

Xue Sun
Yale University
United States
Xue.Sun@Yale.edu

Kellie Tamashiro
Johns Hopkins University
United States
Ktamashiro@Jhmi.edu

Jennifer Temple
University At Buffalo
United States
Jltemple@Buffalo.edu

Naouel Tennoune
Umr1073
France
Francoise.Ablancourt@Univ-Rouen.fr

Brett Teubner
Gsu
United States
Biobjt@Langate.Gsu.edu

Sumpun Thammacharoen
Thailand
Sprueksagorn@Hotmail.com

Jason Thomas
The University Of Birmingham
United Kingdom
Jmt982@Bham.Ac.uk

PRE-REGISTRANT ATTENDEE DIRECTORY

Robert Thunhorst
Univ. Of Iowa
Usa
Robert-Thunhorst@Uiowa.edu

Daniel Tome
Agroparistech
France
Tome@Agroparistech.fr

Michael Tordoff
Monell Chemical Senses Center
United States
Tordoff@Monell.org

Kunio Torii
Ajinomoto, Co., Inc.
Japan
Kunio_Torii@Ajinomoto.com

Takuya Toyoda
Ajinomoto
Japan
Takuya_Toyoda@Ajinomoto.com

Andrea Tracy
Grinnell College
United States
Tracyand@Grinnell.edu

Yada Treesukosol
Johns Hopkins University
United States
Yadatree@Jhmi.edu

Alexander Tups
Philipps University Marburg
Germany
Tups@Staff.Uni-Marburg.de

Kevin Urstadt
University Of California, Riverside
United States
Kurst001@Gmail.com

José Van Den Heuvel
Academic Medical Center Amsterdam
Netherlands
J.K.Vandenheuvel@Amc.Uva.nl

Melissa Vanchina
Hill's Pet Nutrition
United States
Melissa_Vanchina@Hillspet.com

Marta Varga
Semmelweis University
Hungary
Vmarta104@Yahoo.com

Peter Vento
University At Buffalo
United States
Pjvento@Buffalo.edu

Linda Verhagen
Institute For Genetics
Germany
L.A.W.Verhagen@Gmail.com

Joerg-Peter Voigt
University Of Nottingham
United Kingdom
Peter.Voigt@Nottingham.Ac.uk

Anna Voznesenskaya
Monell Chemical Senses Center
United States
Avoznesenskaya@Monell.org

Anne Wanders
Wageningen University
Netherlands
Anne.Wanders@Gmail.com

Lucy Wasse
University Of Manchester
United Kingdom
Lucy.Wasse@Manchester.Ac.uk

Alan Watts
University Of Southern California
United States
Watts@Usc.edu

Richard Weisinger
La Trobe University
Australia
R.Weisinger@Latrobe.edu.au

Aron Weller
Bar-Ilan University
Israel
Aron.Weller@Biu.Ac.Il

Klaas Westerterp
Maastricht University
Netherlands
K.Westerterp@Maastrich-tuniversity.nl

Margriet Westerterp-Plantenga
Maastricht University
Netherlands
M.Westerterp@Hb.Unimaas.nl

Anne Wijlens
Wageningen University
Netherlands
Anne.Wijlens@Wur.nl

Diana Williams
Florida State University
United States
Williams@Psy.Fsu.edu

Megan Witbracht
Uc Davis/Usda-Ars-Whnrc
United States
Mgwitbracht@Ucdavis.edu

Qi Wu
University Of Iowa College Of Medicine
United States
Qiwu1978@Gmail.com

Debra Zellner
Montclair State University
United States
Zellnerd@Mail.Montclair.edu

Huiyuan Zheng
Univ Pittsburgh
United States
Zhengh@Pitt.edu

AMYLIN®

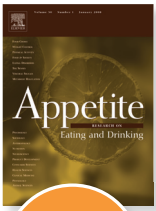
Amylin Pharmaceuticals, Inc.
is a proud sponsor of the
2012 SSIB Meeting

Amylin is a biopharmaceutical company dedicated to improving lives of patients through the discovery, development and commercialization of innovative medicines.

Challenging Science. Changing Lives.

ELSEVIER

RETHINK THE WAY YOU PUBLISH IN FOOD SCIENCE



IMPACT FACTOR 2.433

APPETITE

Appetite is an international research journal specializing in behavioural nutrition and the cultural, sensory, and physiological influences on choices and intakes of foods and drinks.

Executive editors:
P. Atkins, Durham University, UK; H.R. Berthoud, Louisiana State University, USA; J.O. Fisher, Temple University, USA; S. Higgs, University of Birmingham, UK; D. Hoffman, Rutgers University, USA; A. Jansen, Universiteit Maastricht, Netherlands; M. Lowe, Drexel University, USA; S. Thornton Université Henri Poincaré, France; Y. Wada, National Food Research Institute, Japan

www.elsevier.com/locate/APPET

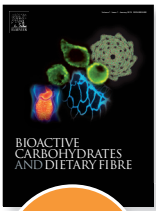
IMPACT FACTOR 2.891

PHYSIOLOGY & BEHAVIOR

Physiology & Behavior is aimed at the causal physiological mechanisms of behavior and its modulation by environmental factors.

Editors-in-Chief: Randall Sakai, University of Cincinnati, US; Anton Scheurink, Rijksuniversiteit Groningen, Netherlands

http://www.journals.elsevier.com/physiology-and-behavior/



New in 2012

BIOACTIVE CARBOHYDRATES AND DIETARY FIBRE

An international journal focused on dietary fibre, bioactive polysaccharides and glycoproteins.

Editor-in-Chief: Dr Steve Cui, Senior Research Scientist, Guelph Food Research Centre, Agriculture and Agri-Food, Canada.

Now accepting submissions

www.elsevier.com/locate/BCDF

FOOD SCIENCES

Rethink the way you publish
in Food Science

Eat Well, Live Well.
AJINOMOTO®

Ajinomoto Symposium in the SSIB 2012

Learnt and Genetic Influences on Flavor Preferences and Their Implications for Intake

DATE	TIME	PLACE
Wednesday July 11th, 2012	Symposium 12:30-13:15 Lunch 12:00-12:30, (provided in the lobby, floor G)	"Semper Aula" HG G 60

CHAIR

Dana M Small, PhD
Associate Professor, Yale University
Associate Fellow, The John B Pierce Laboratory

SPEAKERS

Kathleen L. Keller, Ph.D.
Assistant Professor,
The Pennsylvania State University

Title: Using common variants in taste genes to predict differences in eating behavior and obesity

Dana M Small, PhD
Associate Professor, Yale University
Associate Fellow, The John B Pierce Laboratory

Title: Neural correlates of flavor nutrient conditioning in humans

Coordinated by Toshifumi Imada, Shuzhen Hao, MD, PhD and Eiichiro Kimura, PhD

SSIB
Society for the Study of Ingestive Behavior

For more information about the symposium and contact, please visit: www.ajinomoto-usa.com and www.umamiresearch.com

Diabetes Innovation Award Program

Apply by
August 1st 2012
www.novonordisk-us.com/innovation

NOVEL PROTEIN THERAPEUTICS AND TECHNOLOGIES FOR DIABETES AND OBESITY

Novo Nordisk R&D has launched a research award program to support both new and established scientists[1] exploring novel hypotheses in protein-based therapeutics and technologies for diabetes and obesity. The aim of this new research award program is to help scientists substantiate early innovation research efforts and clarify if their hypotheses have the potential to result in the cure, prevention and/or improved treatment of diabetes and obesity.

Under the new program, Novo Nordisk R&D offers two types of research funding opportunities: "Early Research Exploration" or "Proof of Principle". These awards are intended for nonclinical research only. Research projects can be supported for up to two years.

Early Research Exploration Award
$250,000[2] up to two years

Research support for early-stage hypotheses that do not yet have preliminary data but show considerable promise for advancing the treatment of diabetes or obesity

Proof of Principle (PoP) Award
$500,000[2] up to two years

Research support for the validation of early stage innovations with enough supporting data to conclude on nonclinical PoP studies. Applicants have the option to apply for additional scientific support from Novo Nordisk that would provide access to our R&D scientists and facilities to conduct PoP studies.

[1] Research support is open to scientists and academic research institutions in the US and Canada only
[2] Direct costs that can be specifically identified as part of the research project. In addition, the Award Program covers the facility and administrative (indirect) costs needed to conduct research. Indirect costs will be covered according to the host institution rate based on current government rules

novo nordisk®

NEW!

Automated Gate

Restrict feeding by *time* or *amount* consumed

BioDAQ®

BioDAQ 16 cage food and water intake monitoring system

Food Restriction
Liquid Restriction
Intermittent Access
Pair Feeding

The *NEW* BioDAQ automated gate allows the investigator to program the gate to open or close at a specified time and/or when a specified amount of food or liquid is consumed.

The BioDAQ Food & Liquid Intake Monitor records the native ***episodic*** intake behavior of rats and mice at very high resolution in their home cage. The system records the time and date of the initiation of feeding and drinking behavior, how much was consumed, and the period of the feeding or drinking activity.

For more information ... visit our NEW Website
www ResearchDiets com

RESEARCH DIETS INC.™
www.ResearchDiets.com
New Brunswick, NJ USA

biodaq@researchdiets.com

Going beyond together

SANOFI DIABETES

www.sanofi.com/diabetes

NOTES

NOTES

NOTES

NOTES