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Karen L. Teff, Ph.D. ............................... Monell Chemical Senses Center
Michael Tordoff, Ph.D. ................................. Monell Chemical Senses Center
Welcome

Dear Colleagues,

Welcome to the 16th Annual Meeting of the Society for the Study of Ingestive Behavior. It is fitting that the venue this year is on the Rue Claude Bernard. The program promises to be as stimulating as ever and during the free time there is much to see in Paris – one of the world’s greatest capital cities.

The Program Committee, Chaired by Tim Moran, has done a terrific job of composing a diverse line-up of Mars Lectures, symposia and oral sessions that reflect the varied scientific interests of the membership. There will be much for all of us to learn. Of special note, there will be a plenary symposium chaired by Kent Berridge, one of this year’s Mars lecturers, entitled Feeding and Reward, in dedication to the scientific contributions of Steve Cooper and Ann Kelley, two distinguished members of the SSIB family who recently passed away. The Presidential Symposium this year will continue the practice begun at the last meeting of featuring investigators in their first independent research careers whose work is significantly advancing the scientific study of ingestive behavior. Of course no SSIB meeting would be complete without the New Investigator Symposium, a personal favorite, which will kick-off (an American football term) the sessions this year. Finally, we are very honored this year to have in attendance Dr. Philip Smith, Deputy Director of the Division of Diabetes, Endocrinology, and Metabolic Diseases at the NIDDK. Dr. Smith will be speaking to us on NIDDK research priorities, funding prospects, and public health policies relevant to the mission of SSIB.

Other events include the New Investigator picnic, organized by Christa Paterson, held on the first day at the Jardin du Luxembourg – nothing like free food and a beautiful setting to help build scientific bonds among our junior members that could last a lifetime. We are also continuing the practice of organizing the SSIB Professor-Student lunches in which small groups of students have the opportunity to meet with senior investigators to discuss research and career options. My thanks goes out to Sue Grigson for organizing this. Another noteworthy event is the satellite symposium, hosted by the Ajinomoto Co., which will be held at the AgroParisTech during the lunch break on Thursday. All are invited and lunch will be provided.

Organizing annual meetings is not a trivial task and involves the collective effort of many. In addition to those members I mentioned above, I would like to thank Daniel Tomé and Agnès Marsset-Baglieri along with the other members of the local organizing committee for agreeing to host the meeting this year and helping to make all of the local arrangements. I am also grateful for the help that we received from our new Executive Manager, Jamie Price, and her SPLtrak colleagues as well as from ADEPRINA, the local conference management group. My thanks also goes to the Awards Committee, chaired by our President-Elect, Tim Bartness, for their efforts. I would also like to thank Nori Geary, our Treasurer, for his careful fiscal oversight of the meeting. Finally, on behalf of the SSIB membership, I would like to express our sincere gratitude to our corporate benefactors, sponsors, and donors for their generous contributions to our society allowing us to maintain the very high quality of scientific programming at our annual meeting and to provide travel support for new investigators.

I hope you all have a wonderful time!

Alan C. Spector
SSIB President, 2007-2008
PROGRAM COMMITTEE

Timothy H. Moran, Ph.D., Johns Hopkins University, Baltimore, MD, USA (2008; CHAIR)

Integrative Physiology Track
Harvey Grill, Ph.D., University of Pennsylvania, Philadelphia, PA, USA (2010; track chair)
Stephen Benoit, Ph.D., University of Cincinnati, USA (2009)
Michael Cowley, Ph.D., Oregon Regional Primate Research Center, Beaverton, OR, USA (2009)
Christine Feinle-Bisset, Ph.D., University of Adelaide, Adelaide, Australia (2010)
Peter Wielinga, Ph.D., University of Zurich, Zurich, Switzerland (NI representative, 2008)

Social/Behavioral/Clinical Track
Michael Lowe, Ph.D., Drexel University, Philadelphia, PA, USA (2010; track chair)
Joanne Cecil, Ph.D., University of St. Andrews, St. Andrews, Scotland (2008)
Marcia Pelchat, Ph.D., Monell Chemical Senses Center, Philadelphia, PA, USA (2008)
Martin Yeomans, Ph.D., University of Sussex, Falmer, UK (2010)

LOCAL ORGANIZING COMMITTEE

Daniel Tomé, Ph.D., AgroParisTech, Paris, France (CHAIR)
Agnès Marsset-Baglieri, Ph.D., AgroParisTech, Paris, France (VICE-CHAIR)

France Bellisle, Ph.D., INRA, Bobigny, France
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Patrick Even, Ph.D., CNRS, Paris, France
Gilles Fromentin, Ph.D., INRA, Paris, France
Claire Gaudichon, Ph.D., AgroParisTech, Paris, France
Christiane Larue-Achagiotis, Ph.D., CNRS, Paris, France

LONG RANGE PLANNING COMMITTEE

Wolfgang Langhans, DVM, ETH, Zurich, Switzerland (2010; CHAIR)

Kevin Grove, Ph.D., Oregon Regional Primate Research Center, Beaverton, OR, USA (2010)
Suzanne Higgs, Ph.D., University of Birmingham, UK (2008)
Dianne Lattemann, Ph.D., Veterans Administration Medical Center, Seattle, WA, USA (2008)
Barry Levin, M.D., New Jersey Medical School, Newark, NJ, USA (2009)
Linda Rinaman, Ph.D., University of Pittsburgh, Pittsburgh, PA, USA (2009)
Distinguished Career Award

Anton B. Steffens, Ph.D.
University of Groningen, The Netherlands

Alan N. Epstein Research Award

Susanne la Fleur, Ph.D.
Rudolf Magnus Institute of Neuroscience, The Netherlands

New Investigator Travel Awards
(listed alphabetically)

Clemence Blouet, Albert Einstein College of Medicine, USA
Megan Dailey, Johns Hopkins University, USA
Nicholas DiPatrizio, Drexel University College of Medicine, USA
Su Gao, University of Alberta, Canada
Matthew Hayes, University of Pennsylvania, USA
Julianne Kampe, Monash University, Australia
Scott Kanoski, Purdue University, USA
Nu-Chi Liang, Pennsylvania State University College of Medicine, USA
Diana Pankevich, University of Pennsylvania, USA
Matthew Puhl, Pennsylvania State University College of Medicine, USA
Jennifer Teske, University of Minnesota, USA
Brett Teubner, Georgia State University, USA
Yada Treesukosol, Florida State University, USA
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The Society for the Study of Ingestive Behavior also wishes to thank all of the individual members who made personal contributions to the Society this year.
**PROGRAM OF EVENTS**

**TUESDAY, JULY 15, 2008**

11:00 - 14:00  
**SSIB BOARD MEETING**  
Delage Room

18:00 - 20:00  
**OPENING RECEPTION**  
City Hall of the 5th Arrondissement

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**WEDNESDAY, JULY 16, 2008**

8:15 - 8:30  
**OPENING GREETING**  
Arts et Métiers ParisTech: Auditorium

8:30 - 10:30  
**NEW INVESTIGATOR SYMPOSIUM**  
Arts et Métiers ParisTech: Auditorium  
Chair: Tim Bartness

08:30  
**ELEVATED SPONTANEOUS PHYSICAL ACTIVITY AND LEAN MASS GAIN IN OBESITY RESISTANT RATS**  
JA TESKE¹, CJ BILLINGTON¹, CM KOTZ².  
¹VA Medical Center, Minneapolis, MN, United States, ²University of Minnesota, Department of Food Science and Nutrition, St. Paul, MN, United States

08:45  
**ARCUATE NUCLEUS DESTRUCTION DOES NOT BLOCK FOOD DEPRIVATION-INDUCED INCREASES IN FOOD FORAGING AND HOARDING**  
ME DAILEY, TJ BARTNESS. Department of Biology, Georgia State University, Atlanta, GA, United States

09:00  
**CONTRIBUTION OF HINDBRAIN GLP-1 RECEPTOR ACTIVATION TO FEEDING CONTROL - ROLE OF ENDOGENOUS GLP-1 AND OF ERK / AMP-KINASE PATHWAYS**  
MR HAYES, G LEE, L BRADLEY, A CHOWANSKY, HJ GRILL. UPenn, PHL, PA, United States

09:15  
**MEDIOBASAL HYPOTHALAMIC LEUCINE METABOLISM INHIBITS FOOD INTAKE AND LEUCINE ACTIVATES POMC AND LEPR NEURONS**  
C BLOUET, YH JO, SC Chua, GJ SCHWARTZ. Albert Einstein College of Medicine, Bronx, NY, United States

09:30  
**INDIRECT ACTIVATION OF PARABRACHIAL CB1RS BY BLOCKADE OF AN ENDOCANNABINOID DEGRADATIVE ENZYME SELECTIVELY STIMULATES FEEDING OF PALATABLE FOOD**  
NV DI PATRIZIO, KJ SIMANSKY. Drexel University Coll. Med., Dept. of Pharm/Phys, Philadelphia, PA, United States

09:45  
**ADDITION-LIKE BEHAVIORS IN RATS PREVIOUSLY MAINTAINED ON A HIGH-FAT DIET.**  
MD PUHL¹, AM CASON¹, RL CORWIN², FHE WOJNICKI², PS GRIGSON¹. ¹Dept. of Neural & Behavioral Sciences, Pennsylvania State University College of Medicine, Hershey, PA, United States, ²Dept. of Nutrition, Pennsylvania State University, University Park, PA, United States

10:00  
**SHAM FEEDING INCREASES OPERANT MEASURES OF SUCROSE REWARD IN RATS.**  
NC LIANG, CS FREET, PS GRIGSON, R NORGREN. Penn State Univ., Hershey, PA, United States

10:15  
**THE EFFECTS OF HIGH-ENERGY DIETS ON MODULATORY LEARNING PROCESSES**  
S.E. Kanoski, R.C. Kennedy, T.L. Davidson. Department of Psychological Sciences; Ingestive Behavior Research Center: Purdue University, West Lafayette, IN, United States

10:30 - 11:00  
**MARS LECTURE**  
Arts et Métiers ParisTech: Auditorium  
Chair: Helen Raybould

11:00 - 12:00  
**NEW INVESTIGATOR PICNIC LUNCH**  
Meet at registration desk in AgroParisTech at 12:20. In case of bad weather, lunch will be held in Rooms 20 and 21 AgroParisTech.
Chair: Joanne Cecil

14:00  PEPTIDE YY: FOOD FOR THOUGHT
R BATTERHAM. University College London, London, United Kingdom

14:30  THE ROLE OF GUT HORMONES IN BARIATRIC SURGERY
CW LE ROUX. Imperial College London, London, United Kingdom

15:00  SATIETY SIGNALS FROM THE GUT
C FEINLE-BISSET. University of Adelaide
Discipline of Medicine, Royal Adelaide Hospital, Adelaide, Australia

15:30  OXYTOCIN ENHANCES GLUTAMATERGIC AFFERENT TRANSMISSION AND PRODUCES AN INWARD CURRENT IN SECOND ORDER MEDIAL SOLITARY TRACT NEURONS.
JH PETERS, MC ANDRESEN. Oregon Health and Science University, Portland, OR, United States

Chair: Gilles Fromentin

14:00  PROTEIN INDUCED INCREASE IN FAT FREE MASS IN ENERGY BALANCE
S SOENEN, MS WESTERTERP-PLANTENGA. Department of Human Biology, Maastricht University, Maastricht, Netherlands

14:15  ALTERED EXPRESSION OF APPETITE-ASSOCIATED RECEPTORS IN NODOSE GANGLION BY HIGH FAT DIET
G PAULINO1, P OORT2, T KNOTTS2, S ADAMS2, H RAYBOULD1. 1UC Davis School of Veterinary Medicine, Davis, CA, United States, 22USDA/Western Human Nutrition Research Center, Davis, CA, United States

14:30  EFFECTS OF INTRADUODENAL INFUSION OF VARYING COMBINATIONS OF LIPIID AND CARBOHYDRATE ON ANTROPYLORODUODENAL MOTILITY, HORMONE RELEASE AND APPETITE IN HEATHY MALES.
R SEIMON, KL FELTRIN, IM BRENANAN, JM WISHART, M HOROWITZ, C FEINLE-BISSET. University of Adelaide Discipline of Medicine, Royal Adelaide Hospital, Adelaide, Australia

14:45  INTAKE OF A HIGH PROTEIN REGULAR SNACK IS CALORIC COMPENSATED IN HUMANS
M POTIER1, G FROMENTIN1, J CALVEZ1, R BENAMOUZIG2, D TOMè1, A MARSET-BAGLIERI1. 1INRA, AgroParisTech, UMR914 Nutrition Physiology and Ingestive Behavior, CRNHIdF, Paris, France, 2Department of Gastroenterology, Avicenne Hospital, AP-HP, CRNH-IdF, Paris, France

15:00  EFFECTS OF SOYPROTEIN ALONE OR AS PART OF A MEAL ON THE SOMATOTROPIC AXIS
AJAH VAN VUGHT1,2, A.G NIEUWENHUIZEN1,2, R-JM BRUMMER2, MS WESTERTERP-PLANTENGA1,2, 1Dept. of Human Biology, Maastricht University, Maastricht, Netherlands, 2TIFood and Nutrition, Wageningen, Netherlands

15:15  A BREAKFAST WITH A-LACTALBUMIN, GELATIN, OR GELATIN+TRP LOWERS ENERGY INTAKE COMPARED WITH A BREAKFAST WITH CASEIN, SOY, WHEY, OR WHEY-GMP.
M VELDHORST, M WESTERTERP-PLANTENGA. Maastricht University, TIFN, Maastricht, Netherlands

15:30  HEPATIC PORTAL VEIN DEAFFERENTATION HAS NO EFFECT ON THE SATIATING EFFECT OF A HP DIET
J Schwarz1, N DARCEL1, D L’HEUREUX-BOURON1, S GOUGIS1, O RAMPIN2, D TOME1, G FROMENTIN1. 1Nutrition Physiology and Ingestive Behavior, INRA / AgroParisTech, Paris, France, 2TIFood and Nutrition, Wageningen, France

15:45  ISOCALORIC VERSUS HYPERCALORIC FAT INTAKE: DIFFERENTIAL IMPACT ON HYPOTHALAMIC NPY, POMC, GLUCOSE TOLERANCE AND ADIPOSITY IN THE RAT
MJ MORRIS, H CHEN, T SHIRAEEV. Pharmacology, School of Medical Sciences, University of New South Wales, Sydney, Australia
ORAL SESSION 2: CENTRAL CONTROLS OF FOOD INTAKE 1

Chair: Loredana Asarian

16:30 PPARγ IS EXPRESSED IN HYPOTHALAMIC NEURONS INVOLVED IN FOOD INTAKE AND ENERGY HOMEOSTASIS.
DA SARRUF1, F YU2, HT NGUYEN1, KD NISWENDER2, 1University of Washington, Seattle, WA, United States, 2Vanderbilt University, Nashville, TN, United States

16:45 THE CENTRAL SIGNALING PATHWAYS OF AMYLIN: A NEUROANATOMICAL STUDY
CS POTES, TA LUTZ, T RIEDIGER. Institute of Veterinary Physiology, Zurich Center for Integrative Human Physiology, Zurich University, Zurich, Switzerland

17:00 HYPOTHALAMIC AND HINDBRAIN PARENCHYMAL STUDIES SUPPORT A DISTRIBUTED VIEW OF MELANOCORTINERGIC CONTROL OF ENERGY EXPENDITURE AND FOOD INTAKE
KP SKIBI1,2, HJ GRILL. UPenn, Phil, PA, United States

ORAL SESSION 3: LEPTIN/GHRELIN

Chair: Allan Geliebter

16:30 HINDBRAIN LEPTIN RECEPTOR STIMULATION ENHANCES THE ANOREXIC RESPONSE TO CHOLECYSTOKININ
DL WILLIAMS2, DG BASKIN1,2, MW SCHWARTZ2, 1VA Puget Sound Health Care System, Seattle, WA, United States, 2Department of Medicine, University of Washington, Seattle, WA, United States

16:45 PLASMA LEPTIN, INSULIN AND GHRELIN CONCENTRATIONS REFLECT NUTRITIONAL STATUS, NOT ADIPOSITY, IN RATS RECOVERING FROM FORCED UNDERWEIGHT.
JG HILLEBRAND, M ARNOLD, W LANGHANS, N GEARY. Physiology and Behaviour Group, ETH Zurich, Zurich, Switzerland

17:00 OBESE BINGE-EATERS SHOW ALTERED GHRELIN AND LEPTIN LEVELS FOLLOWING BARIATRIC SURGERY.
LF FAULCONBRIDGE, TA WADDEN, DB SARWER, L JONES-CORNELL, ME PULCINI, F COTTRELL, AN FABRICATORE. University of Pennsylvania, Philadelphia, PA, United States

17:15 LEPTIN MODULATES OLFACTORY ACUITY
PAIME1,2, MBENDAHMANE2, BPBULIGANZER2, SOBICI1, AK JULLIARD2, 1Obesity Research Center, GRI, Cincinnati, OH, United States, 2UMR5020 Neurosciences Sensorielles Comportement Cognition, Lyon, France

17:30 LEPTIN SIGNALING IN MIDBRAIN
P AIME1,2, M BENDAHMANE2, B PAULIGNAN-PALOUZIER2, S OBICI1, AK JULLIARD2, 1Obesity Research Center, GRI, Cincinnati, OH, United States, 2UMR5020 Neurosciences Sensorielles Comportement Cognition, Lyon, France

17:45 CORTISOL AND GHRELIN FOLLOWING A LABORATORY STRESSOR IN OBESE NIGHT EATERS
SCARNELL, MEGLUCK, A GELIEBTER. NY Obesity Research Center, New York, NY, United States
<table>
<thead>
<tr>
<th>Posters</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>P1</td>
<td>Effects of Irregularity and Predictability of the Time of Daily Sessions on Rats’ Feeding Behavior</td>
<td>K AOYAMA. Doshisha University, Kyoto, Japan</td>
</tr>
<tr>
<td>P2</td>
<td>Anxiogenic, Orexigenic and Metabolic Effects of Hypothalamic Ghrelin</td>
<td>P.J. CURRIE, A.M. GRIENEISEN, D.G. WALL, K.A. SARKODIE. Dept. Psychology, Reed College, 3203 Woodstock Blvd., Portland, OR, United States</td>
</tr>
<tr>
<td>P3</td>
<td>SNP Analyses of Postprandial Responses in (An)orexigenic Hormones and Feelings of Hunger Reveal Long-Term Physiological Adaptations to Facilitate Homeostasis</td>
<td>M DEN HOED, AJPG SMEETS, MAB VELDORST, ECM MARIMAN, MS WESTERTERP-PLANTENGA, KR WESTERTERP. Maastricht University, Human Biology, Maastricht, Netherlands</td>
</tr>
<tr>
<td>P4</td>
<td>Rats do Not Interrupt Food Consumption to React to Noxious Heat Stimulation</td>
<td>H FOO, P MASON. Department of Neurobiology, University of Chicago, Chicago, IL, United States</td>
</tr>
<tr>
<td>P5</td>
<td>Are Chinese &amp; Central European Students ~ to Amers in Concerns Re: WT, BODY IMAGE, DIETING &amp; FOOD PREFERENCES? BASELINE COMPARISONS FROM CHINA, POLAND &amp; THE US.</td>
<td>JA GRINKER. Univ Mich, Ann Arbor, MI, United States</td>
</tr>
<tr>
<td>P6</td>
<td>Exercise Modifies Body Weight Set-Point in Diet-Induced Obesity Prone Rats</td>
<td>G HANSEN, AN MADSEN, J JOERGENSEN, NR VRAAC, K FOSGERAU, PJ LARSEN. In Vivo Pharmacology, Rheoscience AS, Roedovre, Denmark</td>
</tr>
<tr>
<td>P7</td>
<td>Osmotic Stimulation of SFO Causes CFOS Expression in PVN in Conscious Rats.</td>
<td>CM HIGUCHI, DA FITTS. Department of Psychology, University of Washington, Seattle, WA, United States</td>
</tr>
<tr>
<td>P8</td>
<td>Effects of Alpha-Lactalbumin-, Gelatin with or without Added Tryptophan-Protein Breakfasts on Hunger, ‘Satiety’ Hormones, and Protein Kinetics</td>
<td>A HOCHSTENBACH-WAELLEN1,2, A NIEUWENHUIZEN1,2, M WESTERTERP-PLANTENGA1,2. 1Maastricht University, Maastricht, Netherlands, 2Top Institute Food and Nutrition, Wageningen, Netherlands</td>
</tr>
<tr>
<td>P9</td>
<td>Ratings of Fullness After Ad Libitum Meals are Not Predicted from Ratings of Fullness During Interrupted Meals in Preschool Children</td>
<td>HR KISSILEFF, KL KELLER, HL LOFINK, M TORRES, JC THORNTON. St. Luke’s/Roosevelt Hospital, New York, NY, United States</td>
</tr>
<tr>
<td>P10</td>
<td>Potent Combination of Amylin and Leptin Reduces Food Intake, Blood Pressure, and Orexigenic Neuropeptides in Obese FBNF1 Rats</td>
<td>WD KNIGHT, R SETH, JM OVERTON. Florida State University, Tallahassee, FL, United States</td>
</tr>
<tr>
<td>P11</td>
<td>Effects of Eating Dessert-Specific vs. Dessert Non-Specific Food on the Rewarding Value of Food in General</td>
<td>SGT Lemmens1,2, AG NIEUWENHUIZEN1,2, PFM SCHOFFELEN1, L WOUTERS1, JMR BORN1,2, F RUTTERS1, MS WESTERTERP-PLANTENGA1,2. 1Human Biology, Maastricht University, Maastricht, Netherlands, 2Top Institute Food and Nutrition, Wageningen, Netherlands</td>
</tr>
<tr>
<td>P12</td>
<td>CFOS-LI in Male and Female Rat Brain Following Administration of Mercaptoacetate</td>
<td>CR BAKER, EL HAMILTON, SE SWITHERS. Purdue University, West Lafayette, IN, United States</td>
</tr>
<tr>
<td>P13</td>
<td>Gender Differences in Basic Taste Perception</td>
<td>M LESHEM, M HALIWA, A HOCHMAN, M MANASHEROV, A YACCOBI. Department of Psychology, University of Haifa, Haifa, Israel</td>
</tr>
<tr>
<td>P14</td>
<td>Effects of the Variety of Water and Food on Feeding Behavior in Rats</td>
<td>A. LÓPEZ-ESPINOZA, R. SOSA, A. G MARTINEZ, V. AGUILERA, A. GALINDO, C. DE LA TORRE-IBARRA, M. L GONZÁLEZ- TORRES, F. DÍAZ. Research Center in Feeding Behavior and Nutrition CUSur University of Guadalajara, Zapotlán el Grande Jalisco, Mexico</td>
</tr>
</tbody>
</table>
P15 HYPERPHAGIA-INDUCED OBESITY IN YOUNG MALE AND FEMALE OLETF RATS: A DEVELOPMENTAL STUDY
A MARCO1, M SCHROEDER1, L SHBIRO1, TH MORAN2, A WELLER1. 1Bar-Ilan Univ, Ramat-Gan, Israel, 2Johns Hopkins Univ, Baltimore, MD, United States

P16 CANNABINOID CB1 RECEPTOR ANTAGONIST AM251 REDUCES PALATABLE DESSERT CONSUMPTION AND BODY WEIGHT GAIN IN FEMALE C57B6 MICE.
CM MATHES, M FERRARA, NE ROWLAND. Department of Psychology, University of Florida, Gainesville, FL, United States

P17 ESTABLISHMENT OF PREFERENCE FOR FLAVOR PAIRED WITH INTRAGASTRIC GLUCOSE, BUT NOT WITH INTRAVENOUS NICOTINE OR COCAINE.
CM MATHES, PE GREBENSTEIN, IE THOMPSON, MA CHANEY, NE ROWLAND. Department of Psychology, University of Florida, Gainesville, FL, United States

P18 WHAT HAPPENS IN OUR BRAIN WHEN WE GET READY FOR DINNER?
M MERKESTEIN, LAW VERHAGEN, MCM LUIJENDIJK, SE LA FLEUR, RAH ADAN. Rudolf Magnus Institute of Neuroscience, Department of Neuroscience and Pharmacology, University Medical Center Utrecht, Utrecht, Netherlands

P19 ACUTE LOW-DOSE I.P. AMYLIN + EB TREATMENT IN OVX RATS DOES NOT PRODUCE AN ENHANCED ANOREXIGENIC RESPONSE.
MM MESSINA, DE KOPA, WD KNIGHT, R SETH, JM OVERTON. Prog. in Neuroscience and Dept. of Biomedical Sci., Tallahassee, FL, United States

P20 THE EFFECT OF GHERELIN ON FOOD AND WATER INTAKE DURING OSMOREGULATORY CHALLENGES
EG MIETLICKI, EL NOWAK, D DANIELS. Department of Psychology, University at Buffalo, Buffalo, NY, United States

P21 SUPPRESSED INTAKE OF HIGHLY PALATABLE FOOD AND DYSFUNCTION OF THE HPA AXIS ACTIVITY RESPONDING TO RESTRAINT STRESS IN ADOLESCENT RATS THAT EXPERIENCED NEONATAL MATERNAL SEPARATION
SJ NOH, V RYU, SB YOO, JH LEE, BM MIN, JW JAHING. Dental Research Institute, Department of Biochemistry, Department of Oral & Maxillofacial Surgery, Seoul National University School of Dentistry, Seoul, South Korea

P22 DECODING INSULIN ACTION ON THE OLFACTOR Y FUNCTION
B PALOUZIER-PALIGNAN, P AIME, A SAVIGNER, AK JULLIARD. UMR5020, CNRS/UCBL, 50 av. T. Garnier, Lyon, France

P23 X&NO-HORMONE EXPOSURE DURING PREGNANCY AND LACTATION MODIFY SWEET PREFERENCES OF MALE BUT NOT OF FEMALE OFFSPRING
R BERGèS, S ISSANCHOU, MC CANIVENC-LAVIER. UMR FLAVIC INRA-Université de Bourgogne, Dijon

P24 SCENT DEPENDENT LEARNING: THE EFFECTS OF AMBIENT CONGRUENT VS. INCONGRUENT SCENTS ON RECALL OF COFFEE INFORMATION
B RAUDENBUSH, J SCHMITT. Wheeling Jesuit University, Wheeling, WV, United States

P25 EFFECTS OF PEPPERMINT SCENT ON APPETITE CONTROL AND CALORIC INTAKE
JA REED, J ALMEIDA, B WERSHING, B RAUDENBUSH. Wheeling Jesuit University, Wheeling, WV, United States

P26 COMPETITION AMONG WOMEN INFLUENCES SUBSEQUENT FOOD CHOICE
AK REMICK, P PLINER, S RIZVI. University of Toronto Mississauga, Mississauga, ON, Canada

P27 ONDANSETRON BLOCKS LICL CONDITIONED PLACE AVOIDANCE (CPA) BUT NOT CONDITIONED TASTE AVOIDANCE (CTA)
L RINAMAN. Dept. of Neuroscience, University of Pittsburgh, Pittsburgh, PA, United States

P28 UNDERSTANDING SENSORY-SPECIFIC SATIETY IN A SNACK CONTEXT
SL ROBINS-HOBDEN1, SJ FRENCH2, F Vincenzi2, MR YEOMANS1. 1University of Sussex, Brighton, United Kingdom, 2Mars, Slough, United Kingdom

P29 CONDITIONED TASTE AVERSION (CTA) RETENTION (RT) AND EXTINCTION (EXT) AFTER GUSTATORY THALAMUS (VPMPC) LESIONS IN RATS.

P30 SEX DIFFERENCES IN COPING WITH "LEAN" AND "OBESE" POSTNATAL ENVIRONMENTS IN A RAT MODEL OF OBESITY
M SCHROEDER1, L SHBIRO1, TH MORAN2, A WELLER1. 1Bar-Ilan Univ, Ramat-Gan, Israel, 2Johns Hopkins Univ, Baltimore, MD, United States
<table>
<thead>
<tr>
<th>Page</th>
<th>Title</th>
<th>Authors</th>
<th>Institutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>P31</td>
<td>BRAIN APOLIPOPROTEIN E: AN IMPORTANT REGULATOR OF FOOD INTAKE AND BODY WEIGHT</td>
<td>L. SHEN(^1), P. TSO(^1), S. WOODS(^2), D. J. CLEGG(^2), K. BARBER(^1), K. CAREY(^1), M. LIU(^1); 1. Dept. of Pathology and Laboratory, Cincinnati, OH, United States, 2. Dept. of Psychiatry, Univ. of Cincinnati College of Medicine, Cincinnati, OH, United States</td>
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<td>P32</td>
<td>THE ACUTE EFFECTS OF A LUNCH CONTAINING RESISTANT STARCH ON ENERGY AND SUBSTRATE UTILIZATION, GHRELIN, GLP-1, PYY CONCENTRATIONS, AND SATIETY</td>
<td>A. SMEETS(^1,2), T. GELENCSER(^3), A. SALGO(^3), M. WESTERTERP-PLANTENGA(^1,2); 1. Maastricht University, Dept. of Human Biology, Maastricht, Netherlands, 2. Top Institute Food and Nutrition, Wageningen, Netherlands, 3. Technical University of Budapest, Dept. of Biochemistry and Food Technology, Budapest, Hungary</td>
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<td>P33</td>
<td>THE ACUTE EFFECTS OF A LUNCH CONTAINING CAPSAICIN ON ENERGY AND SUBSTRATE UTILIZATION, HORMONES, AND SATIETY</td>
<td>A. SMEETS(^1,2), M. WESTERTERP-PLANTENGA(^1,2); 1. Maastricht University, Dept. of Human Biology, Maastricht, Netherlands, 2. Top Institute Food and Nutrition, Wageningen, Netherlands</td>
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<td>P34</td>
<td>THE EFFECT OF ALCOHOL-PAIRED CONTEXTUAL CUES ON RESPONSES TO A NOVEL ALCOHOLIC DRINK</td>
<td>K. S. BIRAK, P. TERRY, S. HIGGS; School of Psychology, University of Birmingham, Birmingham, United Kingdom</td>
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<td>P35</td>
<td>PERSISTENT EFFECTS OF HIGH-INTENSITY SWEETENERS ON BODY WEIGHT GAIN IN RATS</td>
<td>S. SWITHERS, C. BAKER, M. MCCURLEY, T. L. DAVIDSON; Purdue University, West Lafayette, IN, United States</td>
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<td>P36</td>
<td>THE RELATIONSHIPS AMONG RESTRAINT EATING, DRIVE FOR THINNESS, AND SENSE OF HEALTH IN JAPANESE UNDERGRADUATE FEMALES.</td>
<td>S. TAZAKI(^1), S. IMADA(^2), T. MORI(^3); 1. Department of Learning Science, Hiroshima University, Hiroshima, Japan, 2. Department of Psychology, Hiroshima, Japan</td>
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<td>P37</td>
<td>BODY MASS LOSS DURING ADAPTATION TO SHORT WINTER-LIKE DAYS DOES NOT AFFECT FOOD FORAGING OR HOARDING.</td>
<td>B. J. W. TEUBNER, T. J. BARTNESS; Georgia State University, Atlanta, GA, United States</td>
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<td>P38</td>
<td>CHOLECYSTOKININ-33 (CCK-33) ATTENUATES SHORT-TERM FOOD FORAGING, HOARDING, AND INTAKE IN SIBERIAN HAMSTERS.</td>
<td>B. J. W. TEUBNER, T. J. BARTNESS; Georgia State University, Atlanta, GA, United States</td>
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<td>P39</td>
<td>IN VITRO EVIDENCE OF A COMPUTATIONAL MODEL FOR SWITCHING BETWEEN INGESTION AND REJECTION</td>
<td>J. B. TRAVERS(^1), J. NASSI(^1), R. ROGERS(^2), S. VENUGOPAL(^1), D. T. ERMAN(^3); 1. Ohio State University, Columbus, OH, United States, 2. Pennington Biomedical Research Center, Baton Rouge, LA, United States, 3. Ohio State University, Dept. of Mathematics, Columbus, OH, United States</td>
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<td>P40</td>
<td>MATERNAL OBESITY LEVELS AT WEANING ARE INFLUENCED BY THE PUPS' STRAIN: INSIGHTS FROM A CROSS-FOSTERING STUDY IN OLETF RATS</td>
<td>A. WELLER(^1), M. SCHROEDER(^1), L. SIBIRO(^1), T. MORAN(^1); 1. Bar-Ilan Univ, Ramat-Gan, Israel, 2. Johns Hopkins Univ, Baltimore, MD, United States</td>
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<td>P41</td>
<td>EFFECT OF PERIPHERAL AND CENTRAL AMYLIN ON ENERGY EXPENDITURE AND BODY TEMPERATURE</td>
<td>P. WIELINGA, C. LOEWENSTEIN, B. ALDER, T. A. LUTZ; Inst. Veterinary Physiology, Univ. Zurich, Zurich, Switzerland</td>
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<td>P42</td>
<td>BLOOD GLUCOSE CHANGES FOLLOWING THE INGESTION OF SUCROSE- AND ASPARTAME-SWEETENED BEVERAGES</td>
<td>J. F. WILSON, K. E. HOWES; Wittenberg University, Springfield, OH, United States</td>
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<td>P43</td>
<td>Olfactory Conditioning Reinforced by Saccharin in Humans: Influence of Prop Taster and Sweet Liker Status.</td>
<td>M. R. YEOMANS(^1), N. GOULD(^1), J. PRESCOTT(^2); 1. Department of Psychology, University of Sussex, Brighton, United Kingdom, 2. School of Psychology, University of Newcastle, Callaghan, Australia</td>
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<td>P44</td>
<td>Heightened Responses to the Hedonic Qualities of Sucrose in Olfactory Conditioning for Women Scoring High on the Three Factor Eating Questionnaire Disinhibition Scale.</td>
<td>M. R. YEOMANS, N. J. GOULD, S. MOBINI, L. C. CHAMBERS; Department of Psychology, University of Sussex, Brighton, United Kingdom</td>
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<td>P45</td>
<td>NINTENDO WII VS. MICROSOFT X-BOX: DIFFERENTIAL EFFECTS ON MOOD, PHYSIOLOGY, SNACKING BEHAVIOR, AND CALORIC BURN</td>
<td>J. BLOOM, R. HUNKER, K. MCCOMBS, B. RAUDENBUSH, T. WRIGHT; Wheeling Jesuit University, Wheeling, WV, United States</td>
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FLUOXETINE-INDUCED ANOREXIA IS EXAGGERATED IN ADOLESCENT FEMALE RATS THAT EXPERIENCED NEONATAL MATERNAL SEPARATION
SB YOO¹, V RYU¹, YW MOON², JH LEE¹, JW JAHNG¹. ¹Dental Research Institute, Seoul National University School of Dentistry, Seoul, South Korea, ²Department of Biology, The Catholic University of Korea College of Medicine, Seoul, South Korea

ANOMALY IMPAIRS THE FEEDING RESPONSE TO 2-DEOXY-D-SUCROSE IN RATS
ML ZADEH¹, JE DE GRUITER¹, JD PLANT¹, AV FERGUSON¹, SD PRIMEAUX², GA BRAY², BM KING³. ¹Department of Psychology, University of New Orleans, New Orleans, LA, United States, ²Pennington Biomedical Research Center, Baton Rouge, LA, United States, ³Department of Psychology, Clemson University, Clemson, SC, United States

ARCULATE POMC NEURONS SUPPRESS FOOD INTAKE BY DIRECT ACTION ON MC4 RECEPTORS EXPRESSED ON VAGAL AFFERENTS IN THE NTS
H ZHENG, S WANG, KN BROWNING, LM PATTERSON, T BABIC, RL TOWNSEND, GM SUTTON, A BUTLER, RA TRAVAGLI, H-R BERTHOUD. ¹, Baton Rouge, LA, United States

PERSONALITY AS A RISK FACTOR FOR ADIPOSY AND INSULIN RESISTANCE
G BOERSMA, P WIELINGA, T STEIMER, L BENTHEM, A SCHEURINK. Department of Neuroendocrinology, University of Groningen, Groningen, Netherlands

GHRELIN/LEPTIN RATIO TRACKS ENERGY BALANCE, WHILER RATINGS OF APPETITE TRACK ONLY MEAL SIZE AND GIVE PARADOXICAL VALUES TO EXERCISE ENERGY EXPENDITURE.
K T BORER¹, E WUORINEN¹, C BURANT². ¹Division of Kinesiology, The University of Michigan, Ann Arbor, MI, United States, ²Department of Internal Medicine, the University of Michigan, Ann Arbor, MI, United States

GASTRIC EMPTYING IS SLOWER, AND HUNGER AND ENERGY INTAKE ARE LESS, PRE-OVULATION WHEN COMPARED WITH POST-OVULATION IN HEALTHY WOMEN
IM BRENNAN¹, KL FELTRIN¹, NS NAIR¹, T HAUSKEN¹, TJ LITTLE¹, D GENTILCORE¹, KL JONES¹, M HOROWITZ¹, C FEINLE-BISSET¹. ¹University of Adelaide Discipline of Medicine, Royal Adelaide Hospital, Adelaide, Australia, ²Institute of Medicine, Division of Gastroenterology, Haukeland University Hospital, University of Bergen, Bergen, Norway

DRIVE FOR THINNESS IS NOT THE SAME AS DRIVE TO BE THIN: ON THE MOTIVATION FOR DIETING IN NORMAL WEIGHT RESTRAINED EATERS AND BULIMIC INDIVIDUALS
Y CHERNYAK, MR LOWE. Drexel University, Philadelphia, PA, United States

THURSDAY, JULY 17, 2008

8:30 - 10:30  Arts et Métiers ParisTech: Auditorium
PRESIDENTIAL SYMPOSIUM
Chair: Alan Spector

08:30 - 09:00  THE EFFECTS OF OVERFEEDING AND PROPENSITY TO WEIGHT GAIN ON THE NEURONAL RESPONSES TO VISUAL FOOD CUES
MA CORNIER, AK SALZBERG, DH BESSESEN, JR TREGELLAS. University of Colorado Denver, Aurora, CO, United States

09:00 - 09:30  THE INVOLVEMENT OF INTERLEUKIN-1 IN THE ACTIONS OF GALANIN-LIKE PEPTIDE ON ENERGY BALANCE
CB LAWRENCE, P-S MAN. University of Manchester, Manchester, United Kingdom

09:30 - 10:00  FUNCTIONAL MRI OF THE HYPOTHALAMUS AS A BIOMARKER OF SATIETY?
PAM SMEETS ¹, ². Image Sciences Institute, University Medical Center Utrecht, Utrecht, Netherlands, ²TNO Quality of Life, Zeist, Netherlands

10:00 - 11:00  THE ROLE OF HYPOTHALAMIC MTORC1 SIGNALING IN DIET-INDUCED OBESITY
D COTA¹, EK MATTER, SC WOODS², RJ SEELEY². ¹INSERM, U 862, Bordeaux, France, ²University of Cincinnati, Cincinnati, OH, United States

11:00 - 12:00  Arts et Métiers ParisTech: Auditorium
MARS LECTURE
Chair: Tim Bartness

90  MY GENES MADE ME EAT THAT
S ORAHILLY. Department of Clinical Biochemistry, University of Cambridge, Addenbrooke's Hospital, Cambridge, United Kingdom
12:00 - 15:00
LUNCH - FREE TIME

12:30 - 14:30  AgroParisTech: Auditorium Tisserand
AJINOMOTO SATELLITE SYMPOSIUM

Open to all but pre-registration required - lunch provided

15:00 - 17:00  AgroParisTech: Auditorium Tisserand
SYMPOSIUM: SIGNAL PROCESSING IN THE
GUSTATORY SYSTEM

Chair: Alan Spector

15:00  GENETIC DISSECTION OF HUMAN TASTE PERCEPTION
A FUSHAN¹, S MCKLUSKEY², C SIMONS², J SLACK², D DRAYNA². ¹National Institutes of Health, Rockville, MD, United States, ²Givaudan Flavors Corp., Cincinnati, OH, United States

15:30  NEUROPEPTIDES AS SIGNALING AGENTS IN THE MAMMALIAN TASTE BUD.
S Herness. College of Dentistry, The Ohio State University, Columbus, OH, United States

16:00  SYNAPSES AND SIGNALS IN THE PERIPHERAL SENSORY ORGANS OF TASTE
SD ROPER¹,². ¹Dept of Physiology & Biophysics, Miller Sch Med, U Miami, Miami, FL, United States, ²Program in Neurosciences, U Miami, Miami, FL, United States

16:30  FUNCTIONAL STUDIES OF BRAINSTEM TASTE PROCESSING
SP TRAVERS, L GERAN, NR KINZELER, J WALTERS. Ohio State University, Columbus, OH, United States

15:00 - 17:00  AgroParisTech: Auditorium Risler
ORAL SESSION 4: SOCIAL/BEHAVIORAL INFLUENCES ON FOOD INTAKE

Chair: Michael Lowe

15:00  BEHAVIOURAL MARKERS OF THE PRE-OBESE PHENOTYPE IN CHILDREN: WHAT PREDICTS WEIGHT GAIN?
VA MITCHELL, MM HETHERINGTON. Glasgow Caledonian University, Glasgow, United Kingdom

15:15  A RELIABLE MODEL OF BINGE EATING IN RATS
C CIFANI, C POLIDORI, R CICCOCIOIPO, M MASSI. Dept. Exp. Med. Pub. Health, Univ. Camerino, CAMERINO, Italy

15:30 - 17:00  AgroParisTech, Rooms 32-37
POSTERS 2

P1  AGOUTI-RELATED PROTEIN (AGRP) INTO THE HYPOTHALAMIC PARAVENTRICULAR NUCLEUS (PVH) INCREASES FOOD HOARDING, FORAGING AND FOOD INTAKE IN SIBERIAN HAMSTERS.
CH VAUGHAN, BJW TEUBNER, TJ BARTNESS. Department of Biology, Georgia State University, Atlanta, GA, United States

P2  VARIED EXERCISE INTENSITY AND THE EFFECTS ON APPETITE AND FOOD CONSUMPTION IN LEAN YOUNG WOMEN.
E. Wuorinen. Norwich University, Northfield, VT, United States

12:30 PM
SSIB 2008 • JULY 15-19, 2008 • PARIS, FRANCE
NO EFFECT OF CATECHOLAMINES ON APPETITE AS A RESULT OF VARIED EXERCISE INTENSITY.
E. WUORINEN¹, C. BURANT², K.T. BORER³.
¹Division of Kinesiology, Ann Arbor, MI, United States, ²Department of Internal Medicine, The University of Michigan, Ann Arbor, MI, United States

THE MODELING EFFECT ON WOMEN’S EATING: A STUDY OF THE INHIBITORY NORM HYPOTHESIS
M YAMASAKI¹, K AOYAMA². ¹Department of Psychology, Graduate School of Letters, Doshisha University, Kyoto, Japan, ²Department of Psychology, Faculty of Letters, Doshisha University, Kyoto, Japan

COFFEE INTAKE, FEEDING BEHAVIOR AND ACTIVITY IN RATS
V. AGUILERA, A. LÓPEZ-ESPINOZA, A. G MARTÍNEZ, A. GALINDO, M. L GONZÁLEZ-TORRES, E. VALDÉS. Feeding Behavior and Nutrition Research Center, CUSur, University of Guadalajara, Zapotlán el Grande, Jalisco, Mexico

HIGH CALCIUM PREFERENCE IS ASSOCIATED WITH LOW EXPRESSION OF THE CALCIUM-SENSING RECEPTOR GENE, CASR, IN TONGUE EPITHELIAL TISSUE
LK ALARCÓN, MG TORDOFF, DR REED. Monell Chemical Senses Center, Philadelphia, PA, United States

OREXIN-A HYPERPHAGIA: BEHAVIORAL MICROSTRUCTURE AND THE ROLE OF THE AREA POSTREMA.
JP BAIRD, YN CHUNG. Psychology & Neuroscience, Amherst College, Amherst, MA, United States

DOES TODDLERS’ FOOD INTAKE DIFFER ACCORDING TO VARIATIONS IN FAT, SALT OR SUGAR IN FOODS?
S BOUHLAL, S ISSANCHOU, S NICKLAUS. INRA, UMR 1129 FLAVIC, Dijon, France

CENTRAL ADMINISTRATION OF AN NfκB ANTAGONIST PRIOR TO INSULIN REDUCES FOOD INTAKE AND BODY WEIGHT IN RATS ON A HIGH-FAT DIET.
LM BROWN¹, DJ CLEGG², SC BENOIT³, SC WOODS⁴. ¹Department of Nutrition, University of North Carolina at Greensboro, Greensboro, NC, United States, ²University of Texas Southwestern Medical Center, Department of Internal Medicine, Dallas, TX, United States, ³Obesity Research Center, University of Cincinnati, Department of Psychiatry, Cincinnati, OH, United States

HIGH-FAT DIET DURING PREGNANCY:
LONG-TERM CHANGES IN FAT PREFERENCE, TRIGLYCERIDES AND OREXIGENIC PEPTIDES IN THE OFFSPRING.
G-Q. CHANG, V. GAYSINSKAYA, O. KARATAYEV, S.F. LEIBOWITZ. Rockefeller University, New York, NY, United States

ESTIMATION OF BLOOD GLUCOSE LEVEL BY OBJECTIVELY VALIDATED FEELINGS YIELDS A HOMEOSTATIC MODEL OF EATING.
M CIAMPOLINI¹, D LOVELL-SMITH². ¹University, Firenze, Italy, ²University, Auckland, New Zealand

5-HT1A RECEPTOR AGONISM ALTERS THE OREXIGENIC AND ANXIogenic ACTIVITY OF GHRELIN
PJ CURRIE, KA SARKODIE, DG WALL, AM GRUENEISEN, CS JOHN. Dept. Psychology, Reed College, 3203 Woodstock Blvd., Portland, OR, United States

DIFFERENTIAL EFFECTS OF COMMON HEPATIC, GASTRIC, AND CELIAC BRANCH VAGOTOMY ON FOOD INTAKE AND PICA BEHAVIOR FOLLOWING CHEMOTHERAPY IN THE RAT.
BC DE JONGHE, CC HORN. Monell Chemical Senses Center, Philadelphia, PA, United States

EFFECTS OF MONOTONY AND VARIETY ON FEEDING BEHAVIOR IN HUMANS

THE LATERAL PARABRACHIAL NUCLEUS CONTROLS HYPERTONIC, NOT ISOTONIC, NACl INTAKE.
LA DE LUCA JR, RB DAVID¹, A GODINO², LM VIVAS³, J ANTUNES-ODRIGUES⁴, JV MENANI⁵, ¹UNESP1, Araraquara, Brazil, ²UNESP, Araraquara, Brazil, ³INIMEC-CONICET2, Córdoba, Argentina, ⁴INIMEC-CONICET, Córdoba, Argentina, ⁵USP3, Ribeirão Preto, Brazil, ⁶UNESP1, Araraquara, Brazil

INTERACTION BETWEEN CHOLECYSTOKINERGIC AND OPIOIDERGIC MECHANISMS OF THE LATERAL PARABRACHIAL NUCLEUS IN THE CONTROL OF NACl INTAKE
PM DE PAULA, SP BARBOSA, LA DE LUCA JR, DSA COLOMBARI, CAF ANDRADE, JV MENANI. Department of Physiology and Pathology, School of Dentistry, UNESP, Araraquara, Brazil

THE MODELING EFFECT ON WOMEN’S EATING: A STUDY OF THE INHIBITORY NORM HYPOTHESIS
M YAMASAKI¹, K AOYAMA². ¹Department of Psychology, Graduate School of Letters, Doshisha University, Kyoto, Japan, ²Department of Psychology, Faculty of Letters, Doshisha University, Kyoto, Japan

COFFEE INTAKE, FEEDING BEHAVIOR AND ACTIVITY IN RATS
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HIGH CALCIUM PREFERENCE IS ASSOCIATED WITH LOW EXPRESSION OF THE CALCIUM-SENSING RECEPTOR GENE, CASR, IN TONGUE EPITHELIAL TISSUE
LK ALARCÓN, MG TORDOFF, DR REED. Monell Chemical Senses Center, Philadelphia, PA, United States

OREXIN-A HYPERPHAGIA: BEHAVIORAL MICROSTRUCTURE AND THE ROLE OF THE AREA POSTREMA.
JP BAIRD, YN CHUNG. Psychology & Neuroscience, Amherst College, Amherst, MA, United States

DOES TODDLERS’ FOOD INTAKE DIFFER ACCORDING TO VARIATIONS IN FAT, SALT OR SUGAR IN FOODS?
S BOUHLAL, S ISSANCHOU, S NICKLAUS. INRA, UMR 1129 FLAVIC, Dijon, France

CENTRAL ADMINISTRATION OF AN NfκB ANTAGONIST PRIOR TO INSULIN REDUCES FOOD INTAKE AND BODY WEIGHT IN RATS ON A HIGH-FAT DIET.
LM BROWN¹, DJ CLEGG², SC BENOIT³, SC WOODS⁴. ¹Department of Nutrition, University of North Carolina at Greensboro, Greensboro, NC, United States, ²University of Texas Southwestern Medical Center, Department of Internal Medicine, Dallas, TX, United States, ³Obesity Research Center, University of Cincinnati, Department of Psychiatry, Cincinnati, OH, United States

HIGH-FAT DIET DURING PREGNANCY:
LONG-TERM CHANGES IN FAT PREFERENCE, TRIGLYCERIDES AND OREXIGENIC PEPTIDES IN THE OFFSPRING.
G-Q. CHANG, V. GAYSINSKAYA, O. KARATAYEV, S.F. LEIBOWITZ. Rockefeller University, New York, NY, United States

ESTIMATION OF BLOOD GLUCOSE LEVEL BY OBJECTIVELY VALIDATED FEELINGS YIELDS A HOMEOSTATIC MODEL OF EATING.
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BC DE JONGHE, CC HORN. Monell Chemical Senses Center, Philadelphia, PA, United States

EFFECTS OF MONOTONY AND VARIETY ON FEEDING BEHAVIOR IN HUMANS

THE LATERAL PARABRACHIAL NUCLEUS CONTROLS HYPERTONIC, NOT ISOTONIC, NACl INTAKE.
LA DE LUCA JR, RB DAVID¹, A GODINO², LM VIVAS³, J ANTUNES-ODRIGUES⁴, JV MENANI⁵, ¹UNESP1, Araraquara, Brazil, ²UNESP, Araraquara, Brazil, ³INIMEC-CONICET2, Córdoba, Argentina, ⁴INIMEC-CONICET, Córdoba, Argentina, ⁵USP3, Ribeirão Preto, Brazil, ⁶UNESP1, Araraquara, Brazil

INTERACTION BETWEEN CHOLECYSTOKINERGIC AND OPIOIDERGIC MECHANISMS OF THE LATERAL PARABRACHIAL NUCLEUS IN THE CONTROL OF NACl INTAKE
PM DE PAULA, SP BARBOSA, LA DE LUCA JR, DSA COLOMBARI, CAF ANDRADE, JV MENANI. Department of Physiology and Pathology, School of Dentistry, UNESP, Araraquara, Brazil
P18  PROGRAMMED ALTERATION OF HYPOTHALAMIC LEPTIN AND INSULIN SIGNALING PATHWAYS CONTRIBUTES TO REDUCED ANOREXIGENIC RESPONSES IN IUGR OFFSPRING
M DESAI, G HAN, MG ROSS. Harbor-UCLA Med. Ctr. Ob/Gyn. Torrance, CA, United States

P19  SOUR AND SALTY TASTE: A PARAMETRIC STUDY

P20  PERIPHERAL AND CENTRAL CATECHOLAMINE DEFICITS IN PREADOLESCENT OBESITY-PRONE RATS
BM GEIGER1, LE FRANK1, AD CALDERA-SIU1, EG KOKKOTOU2, EN POTHOS1,2,1 Tufts University School of Medicine, Department of Pharmacology and Experimental Therapeutics, Boston, MA, United States, 2Tufts University School of Medicine, Program in Neuroscience, Boston, MA, United States, 3Beth Israel Deaconess Medical Center, Department of Medicine, Boston, MA, United States

P21  OVEREATING BY SWEETENING A FAT-RICH FOOD: INDEPENDENCE FROM POSTINGESTIVE CHOLECYSTOKININ AND INSULIN RELEASE
EL GIBSON, RH LATIF, A LAURENS, A. NERCESSIAN. School of Human and Life Sciences, Whitelands College, Roehampton University, London, United Kingdom

P22  EFFECT OF STRESS ON FEEDING BEHAVIOR AND BODY WEIGHT IN RATS

P23  CONDITIONED SATIETY IN HUMANS REVISITED.
NJ GOULD, S MOBINI, M LEITCH, MR YEOMANS. Department of Psychology, University of Sussex, Brighton, United Kingdom

P24  INCREASED FOOD INTAKE AND ATTENUATION OF CCK-INDUCED INHIBITION OF FOOD INTAKE AND FOS EXPRESSION FOLLOWING SYSTEMIC BLOCKADE OF NR2B/NMDA SUBUNITS.
DB GUARD1, TD SWARTZ2, RC RITTER2, GA BURNS2, M COVASA3,1 Department of Nutritional Sciences, College of Health and Human Development, The Pennsylvania State University, University Park, PA, United States, 2Department of VCAPP, College of Veterinary Medicine, Washington State University, Pullman, WA, United States

P25  COCAINE- AND AMPHETAMINE-REGULATED TRANSCRIPT (CART) PEPTIDE IMMUNOREACTIVITY IN THE BRAIN OF THE OBESE OLETF RAT.
A HAJNAL1, M COVASA2, H ABRAHAM3, 1Dept. Neural & Behav. Sci., Penn State Univ., Hershey, PA, United States, 2Dept. Nutritional Sci., Penn State Univ., University Park, PA, United States, 3Central Electron Microscopic Lab., Univ. of Pecs, Pecs, Hungary

P26  HIGH FAT FEEDING AFFECTS EATING PATTERNS IN OBESITY PRONE AND RESISTANT ANIMALS
N HARIRI1, R GOUGEON2, L THIBAULT1,1 School of Dietetics and Human Nutrition, McGill University, Montreal, QC, Canada, 2McGill Nutrition and Food Science Centre, Royal Victoria Hospital, Montreal, QC, Canada

P27  ANTAGONISM OF CORTICOTROPIN-RELEASING FACTOR RECEPTOR 1 (CRFR1) PREVENTS SUSTAINED WEIGHT LOSS IN RATS EXPOSED TO REPEATED RESTRAINT STRESS.
RUTH HARRIS. University of Georgia, Athens, GA, United States

P28  THE NUCLEUS ACCUMBENS AS INTEGRATOR OF FEEDING AND SATIETY INFORMATION IN THE CONTROL OF MOTIVATION TO EAT.
BG HOEBEL1, NM AVENA1,2, P RADA1,3, 1Princeton University, Princeton, NJ, United States, 2Rockefeller University, New York, NY, United States, 3University of Los Andes, Merida, Venezuela

P29  INSULIN DIFFERENTLY MODULATES HYPOTHALAMIC MITOCHONDRIAL ENERGY METABOLISM IN FED OR FASTED MICE. INVOLVEMENT IN FOOD INTAKE REGULATION?
T JAILLARD, M ROGER, P GUILLOU, A BENANI, L CASTEILLA, L PENICAUD, A LORSIGNOL. UMR 5241 CNRS-Paul Sabatier University IFR109, Toulouse, France

P30  A COGNITIVE-EXPERIMENTAL APPROACH TO REDUCING FOOD CRAVINGS AND MODIFYING EATING BEHAVIOUR
E KEMPS, M TIGGEMANN. School of Psychology, Flinders University, Adelaide, Australia
OROSENSORY STIMULATION DURING MODIFIED SHAM FEEDING INCREASES INTAKE OF SWEET SOLUTIONS MORE IN WOMEN WITH BULIMIA THAN WOMEN WITH ANOREXIA NERVOSA
DA KLEIN1, JS SCHEBENDACH1, AJ BROWN1, GP SMITH1, BT WALTHSH1. Columbia University/NYSPI, New York, NY, United States, *Cornell/Well Medical College, White Plains, NY, United States

RICE AND SUSHI CRAVINGS: A PRELIMINARY STUDY OF FOOD CRAVING AMONG JAPANESE STUDENTS
S KOMATSU. Tohoku University, Sendai, Japan

EFFECT OF HISTONE DEACETYLASE INHIBITION BY NAB ON LICI-INDUCED C-FOS EXPRESSION IN THE AMYGDALA.
B.S. KWON, T.A. HOUP. Dept Biological Science, Prog Neuroscience, Florida State Univ., Tallahassee, FL, United States

BOMBSIN RECEPTOR SUBTYPE-3 MRNA IS INCREASED IN THE HYPOTHALAMUS OF DIET-INDUCED OBSESE RATS.
EE LADEHMEI, K BATES, RR BEHLES, NT BELLO. John Hopkins University School of Medicine, Baltimore, MD, United States

FOOD POWER SCALE PREDICTS DESSERT EATING, BUT NOT MEAL EATING OR PORTION SIZE EFFECT
D.A. LEVITSKY, X. SHEN. Cornell University, Ithaca, NY, United States

CHARACTERIZATION OF MICE LACKING THE GENE FOR CHOLECYSTOKININ
CM LO1, LC ŠAMUELSON2, A KING1, JB CHAMBERS2, RJ JANDAČEK1, M LIU1, RR SAKA1, SC BENOIT2, HE RAYBOULD1, SC WOODS2. 1Department of Pathology and Laboratory Medicine, University of Cincinnati, Cincinnati, OH, United States, 2Department of Psychiatry, University of Cincinnati, Cincinnati, OH, United States

WHY SOME PEOPLE EAT IN EXCESS OF THEIR ENERGY REQUIREMENTS: A NEW THEORY OF FOOD REGULATION.
HD LOVELL-SMITH1, M CIAMPOLINI2, LBORSELLI1. 1University of Auckland, Auckland, New Zealand, 2University of Firenze, Firenze, Italy

VISCOSITY AND SWEET TASTE AS DETERMINANTS OF CALORIC COMPENSATION IN RATS
AA MARTIN, JJ FIELDS, MA WATERS, RC KENNEDY, SE SWITHERS, TL DAVIDSON. Department of Psychological Sciences and the Institute for Behavioral Research Center, Purdue University, West Lafayette, IN, United States

BLOCKING OF BRANCH CHAIN AMINO ACID METABOLISM DECREASES HYPOTHALAMIC POMC AND INCREASES AGRP EXPRESSION IN MICE ON A LOW FAT DIET
R J MARTIN1,2, S LI1, J ZHOU1, CD MORRISON1, SM HUTSON1. Pennington Biomedical Research Center, Baton Rouge, LA, United States, *LSU AgCenter, Baton Rouge, LA, United States, *Wake Forest, Winston-Salem, NC, United States

EFFECT OF PRENATAL AND/OR POSTNATAL HIGH FAT DIET ON GLUCOSE HANDLING, FOOD CONSUMPTION AND MOTIVATION IN BORDERLINE HYPERTENSIVE RATS (BHR)
A MITRA, K ALVERS, E CRUMP, NE ROWLAND. University of Florida, Gainesville, FL, United States

OREXIN A-INDUCED ACTIVITY IS INVERSELY CORRELATED WITH BODY WEIGHT GAIN AND MAY PROMOTE WEIGHT LOSS IN RATS
JP NIXON1, JA TESKE1, CJ BILLINGTON1,2. 1University of Minnesota, Minneapolis, MN, United States, 2Veterans Administration Medical Center, Minneapolis, MN, United States

THE MICROTITER OPERANT GUSTOMETER (MGO): DEVELOPMENT OF A HIGH THROUGHPUT (HT) OPERANT TASTE DISCRIMINATION ASSAY.
RK PALMER, DJ LONG, HR DEVANTIER, FX BRENNAN, RW BRYANT, FR SALEMME. Redpoint Bio, Ewing, NJ, United States

NEED-INDUCED SODIUM APPETITE IN SHR IS ENHANCED AFTER ONE EPISODE OF WATER DEPRIVATION-PARTIAL REPLETION (WD-PR) AND ENHANCEMENT IN SODIUM APPETITE IS DELAYED AFTER MULTIPLE EPISODES.
DTB PEREIRA, RC VENDRAMINI, JV MENANI, LA DE LUCA JR.. UNESP, Araraquara, Brazil

HYPOTHALAMIC GENE EXPRESSION AND ANGIOTENSIN RECEPTOR (AGTR) TYPE-1 PROTEIN FROM DIFFERENT BRAIN AREAS IN HYDRATED ANIMALS SUBMITTED TO A SINGLE OR MULTIPLE WATER DEPRIVATION-PARTIAL REPLETION (WD-PR).
DTB Pereira1,2,3, RC Vendramini4, AM Lana5, F Carreno5, GA Derderian1, J Lisa3, J Little3, JV Menani1, JT Cunningham1, S Chiavegatto1,6, LA De Luca Jr.4, 1UFSCar/UNESP, SC/ARQ, Brazil, 2InCor-USP, SP, Brazil, 3ICB-USP, SP, Brazil, 4InCor-IPq-FMUSP, SP, Brazil, 5ICB-USP, SP, Brazil,
P45 146 ESTRADIOL’S INFLUENCE ON TRYPtopHAN-HYDROXYLASE 2 GENE EXPRESSION IN RAPHE NUCLEI.
HM RIVERA, TA HOUPT, LA ECKEL. Program in Neuroscience, Tallahassee, FL, United States

P46 147 DIET-INDUCED OBESITY IN THE RAT IS INFLUENCED BY SEX AND EXERCISE
J. SANTOLLO, S.C. NORRBIN, L.A. ECKEL. Florida State University, Tallahassee, FL, United States

AI SAYEGH. Tuskegee University, Tuskegee, AL, United States

P48 149 FOOD VISCOSITY INFLUENCES CORE TEMPERATURE IN RATS
LA SCHIER1,2, TL DAVIDSON1,3, A FERGUSON1, EK WALLS1,2,3, SE SWITHERS1,3. 1Department of Psychological Sciences, Purdue University, West Lafayette, IN, United States, 2Department of Basic Medical Sciences, Purdue University, West Lafayette, IN, United States, 3Ingestive Behavior Research Center, Purdue University, West Lafayette, IN, United States

P49 150 POTENTIAL EPIGENETIC MECHANISMS FOR METABOLIC PROGRAMMING BY MATERNAL STRESS AND DIET.
K.L. TAMASHIRO1, R.S. LEE1, C.E. TERRILLION1, J.I. KOENIG1, J.B. POTASH1, T.H. MORAN1. 1Johns Hopkins University, Baltimore, MD, United States, 2University of Maryland, Baltimore, MD, United States

P50 151 OLANZAPINE-INDUCED WEIGHT GAIN
EM VAN DER ZWAAL, MCM LUIJENDIJK, RAH ADAN, SE LA FLEUR. Rudolf Magnus Institute of Neuroscience, Department of Neuroscience and Pharmacology, University Medical Center Utrecht, Utrecht, Netherlands

P51 152 ASSOCIATION BETWEEN DIETARY ARGinine AND LYSine INTake AND 6Y-CHANGE IN BODY COMPOSITION AMONG 9Y OLD CHILDREN(EYHS)
JAH VAN VUGHT1,2, MS WESTERTERP1,2, AG NIEUWENHUIZEN1,2, RJM BRUMMER2, BL HEITMANN3. 1Dept. of Hum Bio, Maastricht, Netherlands, 2TifFood & Nutri, Wageningen, Netherlands, 3Inst for Prev Med, Copenhagen, Denmark

FRIDAY, JULY 18, 2008

8:30 – 10:30 Arts et Métiers ParisTech: Auditorium SYMPOSIUM – FEEDING AND REWARD: A SYMPOSIUM DEDICATED TO THE CONTRIBUTIONS OF STEVEN COOPER AND ANN KELLEY

Chair: Kent Berridge

08:30 153 RESTRAINED EATING, HEDONIC HUNGER AND FOOD REWARD: AN FMRI STUDY
MR LOWE, MC COLETTA. Drexel University, Philadelphia, PA, United States

09:00 154 OBESE INDIVIDUALS SHOW BLUNTED STRIATAL RESPONSE TO FOOD: RELATION MODERATED BY DRD2 GENE
E STICE1, S SPOOR2, C BOHON3, J NG3, D SMALL4. 1Oregon Research Institute, Eugene, OR, United States, 2University of Texas at Austin, Austin, TX, United States, 3University of Oregon, Eugene, OR, United States, 4Peirce laboratory, Yale University, New Haven, CT, United States

10:00 155 REGULATION OF FOOD REWARD BY ADIPOSITY SIGNALS
DF LATTEMANN1,2. 1VA Puget Sound Health Care System, Seattle, WA, United States, 2University of Washington, Seattle, WA, United States

10:30 – 11:00 Arts et Métiers ParisTech: Auditorium MARS LECTURE

Chair: Alan Spector

11:00 – 12:00 Arts et Métiers ParisTech: Auditorium MARS LECTURE

157 LIMBIC COMPONENTS IN FOOD REWARD: LIKING WANTING AND DREAD
KC BERRIDGE. Department of Psychology, University of Michigan, Ann Arbor, MI, United States

19:30 - 23:30 Musee d’Orsay OPTIONAL EVENING EVENT: MUSEE D’ORSAY

Dinner and visit to the Museum. Meet at main entrance Musee d’Orsay 19:30.
12:00 – 14:00  
**LUNCH – FREE TIME**

12:15 – 14:00  
**AgroParisTech: Auditorium Tisserand**  
**SSIB PROFESSOR – STUDENT LUNCHES**

Gather at Central Hall of Arts et Métiers ParisTech at 12:20.

14:00 – 16:00  
**AgroParisTech: Auditorium Tisserand**  
**SYMPOSIUM: NUTRIENTS AND APPETITE CONTROL**

Chair: Karen Teff

14:00  
158  
**THE RELATIONSHIP BETWEEN DIETARY ENERGY DENSITY AND ENERGY INTAKE**  
BJ ROLLS. Department of Nutritional Sciences, The Pennsylvania State University, University Park, PA, United States

14:30  
159  
**‘FUNCTIONAL’ FOOD INGREDIENTS FOR APPETITE CONTROL: CURRENT STATUS AND ISSUES**  
DJ MELA. Unilever Food and Health Research Institute, Unilever R&D Vlaardingen, Vlaardingen, Netherlands

15:00  
160  
**PROTEIN INTAKE, SATIETY AND BODY-WEIGHT REGULATION**  
MS WESTERTERP-PLANTENGA\(^1\),  
\(^2\). Maastricht University, Maastricht, Netherlands, \(^2\)TIFood and Nutrition, Wageningen, Netherlands

15:30  
161  
**PROTEIN-INDUCED SATIETY**  
D TOMÉ. AgroParisTech, INRA, UMR914, Paris, France

14:00 – 16:00  
**AgroParisTech: Auditorium Risler**  
**ORAL SESSION 5: TASTE AND REWARD**

Chair: Sue Grigson

14:00  
162  
**DISCONNECTION OF THE GUSTATORY THALAMOCORTICAL LOOP PREVENTS BOTH LEARNING AND MEMORY OF DRUG-INDUCED DEVALUATION OF A SWEET CUE**  
RI GEDDES\(^1\), X SUN\(^2\), M MORSE\(^2\), L HAN\(^3\), PS GRIGSON\(^3\). \(^1\)PennState College of Medicine, Hershey, PA, United States, \(^2\)PennState College of Medicine, Hershey, PA, United States, \(^3\)Wageningen University, Wageningen, Netherlands

14:15  
163  
**MAPPING OF G-PROTEIN COUPLING REVEALS A CRITICAL AREA FOR MU-OPIOID RECEPTORS IN THE MEDIAL SHELL OF THE NUCLEUS ACCUMBENS IN MODULATING INTAKE OF STANDARD AND PALATABLE FOOD**  
M DENBLEYKER, K.J. SIMANSKY. Drexel University Coll Med, Phila, PA, United States

14:30  
164  
**CONDITIONED TASTE AVERSION AND NA-APPETITE AFTER ASYMMETRIC BRAIN LESIONS**.  
R NORGREN\(^1\), S DAYAWANSA\(^1\), Y KANG\(^2\), S PECKINS\(^1\). \(^1\)Penn State Univ., Hershey, PA, United States, \(^2\)Univ. of Louisville, Louisville, KY, United States

14:45  
165  
**GLOSSOPHARYNGEAL NERVE TRANSECTION DECREASES DAILY INTAKE OF CORN OIL, CARBOHYDRATE SOLUTIONS, AND GLYCINE**  
Y TREESUKOSOL, GD BLONDE, E JIANG, DO GONZALEZ, JC SMITH, AC SPECTOR. Dept. of Psychology & Program of Neuroscience, Florida State University, Tallahassee, FL, United States

15:00  
166  
**EFFECTS OF THE GABA AGONISTS, BACLOFEN AND MUSCIMOL, ON INSTRUMENTAL RESPONDING FOR FOOD REWARD**  
KGT PULMAN, EM SOMERVILLE, PG CLIFTON. School of Life Sciences, University of Sussex, Brighton BN1 9QG, United Kingdom

15:30  
167  
**HEDONIC OVEREATING: BUFFER OR CATALYST TO OTHER ADDICTIVE BEHAVIOURS?**  
C DAVIS, K PATTE, C CURTIS. York University, Toronto, ON, Canada

14:00 – 16:30  
**AgroParisTech**  
**BREAK**
ORAL SESSION 6: PERIPHERAL/CENTRAL INTERACTIONS IN FEEDING CONTROL

Chair: Diana Williams

16:30

170 SEROTONIN 2C RECEPTOR (5HT2CR) SIGNALING IS NECESSARY FOR, AND DISSOCIATES THE NEURAL PATHWAYS OF, THE SATIATING EFFECTS OF CHOLECYSTOKININ (CCK) AND GLUCAGON-LIKE PEPTIDE-1 (GLP-1). L ASARIAN, N GEARY, W LANGHANS. Institute of Animal Science ETH-Zurich, Schwerzenbach, Switzerland

16:45

171 CHARACTERIZATION OF THE BLOOD-BRAIN BARRIER AT THE MEDIAN EMINENCE OF THE HYPOTHALAMUS: A ROLE FOR TANYCYTES IN REGULATING ACCESS OF PERIPHERAL HORMONES TO THE ARCUATE NUCLEUS. A MULLIER1, SG BOURET1,2, V PREVOT1, B DEHOUCK1. 1Inserm U837, Lille, France, 2The Saban Research Institute, Los Angeles, CA, United States

17:00

172 PYY DECREASES FOOD INTAKE AND ACTIVATES PERIPHERAL AND CENTRAL NEURONS IN RATS. AI SAYEGH. College of Veterinary Medicine, Tuskegee University, Tuskegee, AL, United States

17:15

173 MERCAPTOACETATE (MA) STIMULATES FEEDING AFTER INFUSION INTO THE HEPATIC PORTAL VEIN (HPV) OR VENA CAVA (VC), BUT NOT AFTER INFUSION INTO THE DESCENDING AORTA. A MANSOURI, M ARNOLDS, N GEARY, M LEONHARDT, W LANGHANS. Institute of Animal Sciences, ETH Zurich, Schwerzenbach, Zurich, Switzerland

17:30

174 DORSOMEDIAL HYPOTHALAMIC NEUROPEPTIDE Y MODULATES THE SATIETY ACTIONS OF PERIPHERAL CHOLECYSTOKININ. S BI, L YANG, KA SCOTT, N TRAY, TH MORAN. Department of Psychiatry and Behavioral Sciences, Johns Hopkins University School of Medicine, Baltimore, MD, United States

17:45

175 CHRONIC CENTRAL INFUSION OF AMYLIN LOWERS BODY WEIGHT GAIN INDEPENDENT OF INITIAL BODY WEIGH IN CHOW FED RATS BUT NOT IN RATS AFTER 3 WEEKS OF ENSURE® FEEDING. PY WIELINGA1, S MUFF1, M MUNZ1, SC WOODS2, TA LUTZ1. 1Inst. Veterinary Physiology, Univ. Zurich, Zurich, Switzerland, 2Dep. Psychiatry, Univ. Cincinnati, Cincinnati, OH, United States

ORAL SESSION 7: DEVELOPMENTAL AND SEX DEPENDENT ASPECTS OF FOOD INTAKE

Chair: Susan Swithers

16:30

176 CENTRAL CHANGES IN THE SEROTONERGIC SYSTEM IN RESPONSE TO MATERNAL HIGH-FAT DIET IN THE FETAL NONHUMAN PRIMATE. BE Grayson, MS SMITH, KL GROVE. ONPRC/OHSU, Beaverton, OR, United States

17:00

177 THREE-WEEKS OF POST-WEANING EXERCISE IN DIO RATS FED HE DIET INCREASES CENTRAL LEPTIN SENSITIVITY AND HYPOTHALAMIC 125LEPTIN RECEPTOR BINDING. CM PATTERSON1, BE LEVIN1,2. 1UMDNJ, Grad Sch Biomed Sci, Newark, NJ, United States, 2Neuro Serv, VA Med Center, E Orange, NJ, United States

17:15

178 REGULATION OF ENERGY BALANCE IN MICE SELECTIVELY BRED FOR HIGH VOLUNTARY ACTIVITY. VAN DIJK1, I JONAS1, CJ NYAKAS1, T GARLAND2, LM VAANHOLT2, GH VISSE3. 1Center for Behavior and Neurosciences, University of Groningen, Haren, Netherlands, 2Dept Biology, University of California, Riverside, CA, United States, 3Aberdeen Centre for Energy Regulation and Obesity, School of Biological Sciences, University of Aberdeen, Aberdeen, Scotland

17:30

179 FEMALE RATS ARE RELATIVELY MORE SENSITIVE TO REDUCED LIPID- THAN TO REDUCED CARBOHYDRATE-AVAILABILITY. D.A. SANDOVAL, K.K. RYAN, A.D. DE KLOET, S.C. WOODS, R.J. SEELEY. University of Cincinnati, Cincinnati, OH, United States

17:45

180 CENTRAL ANOREXIC ACTION OF BDNF IN MALE AND FEMALE RATS. H Shl, JG BARRERA, SC WOODS, RJ SEELEY. University of Cincinnati, Cincinnati, OH, United States

18:00 – 20:00

POSTERS 3

P1 EFFECT OF WHOLE GRAIN BREAKFAST CEREAL ON SATIETY AND SHORT-TERM FOOD INTAKE. R ABOU SAMRA, D BRIENZA, D GRATHWOHL, H GREEN. Nestlé Research Centre, Nestec Ltd P.O. Box 44, Lausanne, Switzerland
P2 182 WITHIN-MEAL EATING RATE AND 1-HOUR APPETITE IN SLOW, MEDIUM, AND FAST PACED EATERS  
AM ANDRADE, KJ MELANSON. University of Rhode Island, Kingston, RI, United States

P3 183 THE GREATER SUPERFICIAL PETROSAL NERVE IS UNNECESSARY FOR NORMAL RESPONSIVENESS TO SUCCROSE BY RATS IN A BRIEF-ACCESS TEST, REGARDLESS OF TRIAL LENGTH.  
GD BLONDE, Y TREESUKOSOL, E JIANG, AC SPECTOR, Dept. of Psychology & Program in Neuroscience, Florida State University, Tallahassee, FL, United States

P4 184 TASTE OF SAVOURY FOODS DOES NOT NEED A FIFTH RECEPTOR TYPE  
DA BOOTH, M KONLE, O SHARPE. School of Psychology, University of Birmingham, Edgbaston, United Kingdom

P5 185 DEVELOPMENT AND CHARACTERISTICS OF A FOOD IMAGE SET RATED FOR HEDONIC VALUE FOR USE IN NEUROMAGING STUDIES  
KS BURGER, JP INGBRIGSTEN, MA CORNIER, SL JOHNSON. Colorado State University, Fort Collins, CO, United States, University of Colorado Denver, Denver, CO, United States

P6 186 PRIOR ACCESS TO A SWEET CUE IS PROTECTIVE IN FEMALES SELF-MANAGING COCAINE.  
AM CASON, PS GRIGSON. Penn State University College of Medicine, Hershey, PA, United States

P7 187 ACTIVATION OF THE PARASYMPATHETIC NERVOUS SYSTEM AT MEAL REQUEST IN MAN AFTER REST, EXERCISE OR HYPOXIA: RELATION WITH GLUCOSE  
D CHAPELOT, S SROUTTA, K CHARLOT, A PICHON. Université Paris 13, bobigny, France

P8 188 GASTRIC IRRITATION DOES NOT INDUCE NAHCO3 INTAKE.  
J CONSTANCIO, DTB PEREIRA, JV MENANI, LA DE LUCA JR. UNESP, ARARAQUARA, Brazil

P9 189 EFFECT OF POST-NEONATAL THYMECTOMY ON BODY WEIGHT GAIN IN SWISS MICE, THE ROLE OF REGULATORY T-CELLS AND THE HYPOTHALAMIC ARCULATE NUCLEUS  
O. COQUEREL, I. NILSSON, C. BLACHE, A. IBRAHIM, J. HAMZE SINO, J.-E. JOHANSEN, S. ADRIOUCH, O. BOYER, T. HOKFELT, P. DECHELOTTÉ, S. O. FETISSOV. Appetit Digestif Environnement Nutrition Laboratory (ADEN EA3234) Rouen University & Hospital & IFRMP23, Rouen, France, Department of Molecular Medicine and Surgery, Karolinska Institutet, Stockholm, Sweden, Immunopathology Laboratory (Inserm U905) Biomedical Research Institute Rouen University & Hospital & IFRMP23, Rouen, France, Department of Neuroscience, Karolinska Institutet, Stockholm, Sweden

P10 190 THE EFFECTS OF EGG-BASED BREAKFASTS ON COGNITIVE PERFORMANCE IN YOUNG ADULTS.  
KE D’ANCI, JL HOCHSTADT, AH CARPENTER, NM BUZZEO, HA TAYLOR, RB KANAREK. Department of Psychology Tufts University, Medford, MA, United States, Nutrition and Neurocognition Laboratory, JM HNRCA Tufts University, Boston, MA, United States

P11 191 GHRELIN HAS STRESS-LIKE EFFECTS ON THE BRAIN: A FUNCTIONAL MRI STUDY IN HUMANS.  
A DAGHER, D BEDROSSIAN, S MALIK, F MCGLONE. 1 Montreal Neurological Institute, Montreal, QC, Canada, 2 Unilever R&D, Wirral, United Kingdom

P12 192 INHIBITION OF ANGIOTENSIN CONVERTING ENZYME PROTECTS AGAINST DIET-INDUCED OBESITY IN RATS  
AD DE KLOET, EG KRAUSE, HS BRONNEKE, RJ SEELEY, SC WOODS. 1 University of Cincinnati, Cincinnati, OH, United States, 2 Department of Psychiatry, Cincinnati, OH, United States

P13 193 THYLAKOIDS PROMOTE SATIETY IN HEALTHY INDIVIDUALS  
C ERLANSON, R ALBERTSSÖN, R KÖHNKE, PA ALBERTSSÖN, A LINDQVIST, M LANDIN-OLSSÖN, J REHFELDT. 1 University, Experimental medical Science, Lund, Sweden, 2 University Hospital, Lund, Sweden, 3 University, Chemical Center, Lund, Sweden, 4 University Hospital, Copenhagen, Denmark

P14 194 SEX DIFFERENCES: BEHAVIORAL, METABOLIC AND STRESS CONSEQUENCES OF A FEMALE BIAS VISIBLE BURROW SYSTEM  
MT FOSTER, SJ MELHORN, KA SCOTT, EG KRAUSE, SC WOODS, RR SAKAI. University of Cincinnati, Cincinnati, OH, United States

P15 195 TARGETED ENHANCEMENT OF OLEOYLETHANOLAMIDE MOBILIZATION IN PROXIMAL SMALL INTESTINE INDUCES ACROSS-MEAL SATIETY IN RATS  
J FU, J KIM, F OVEISI, D PIOMELLI. 1 University of California, Irvine, Irvine, CA, United States, 2 Italian Institute of Technology, Genova, Italy

P16 196 THE EFFECTS OF OLEOYLETHANOLAMIDE ON FEEDING BEHAVIOUR INVOLVE HYPOTHALAMIC OXYTOCIN NEURONS  
S GAETANI, J FU, P DIPASQUALE, L RIGHETTI, V CUOMO, D PIOMELLI. 1 Dept. of Human Physiology and Pharmacology, University of Rome La Sapienza, Rome, Italy, 2 Dept. of Pharmacology, University of California, Irvine, Irvine, CA, United States
P17 PERCEPTUAL AND AFFECTIVE PROCESSING IN APPETITE FOR FOODS J GALEA1, M CHECHLACZ2, DA BOOTH1, S HIGGS1, N BIRBAUMER2, A NOUWEN1. 1Psychology, University of Birmingham, Edgbaston, United Kingdom, 2Universität Tübingen, Tübingen, Germany

P18 GASTRIC ELECTRICAL STIMULATION REDUCES C-FOS EXPRESSION IN THE RAT NUCLEUS OF THE SOLITARY TRACT S GALLAS, M HAMZE SINNO, G GOURGEROL, P DÉCHELOTTÉ, AM LEROI, SO FETISSOV, Appareil Digestif Environnement Nutrition Laboratory (ADEN EA3234), Biomedical Research Institute Rouen University & Hospital & IFR23, Rouen, France.

P19 REGULATION OF FOOD INTAKE AND ANXIETY BY α-MSH REACTIVE AUTOANTIBODES M HAMZE SINNO1, JC DO REGO2, M COEFFIER1, D GILBERT1, F TRON1, J COSTENTIN1, T HÖKFELT1, P DÉCHELOTTÉ1, SO FETISSOV1, Appareil Digestif Environnement Nutrition Laboratory (ADEN EA3234), Rouen, France, 2Experimental Neuropsychopharmacology Laboratory (CNRS FRE 2735), Rouen, France, 3Inmunopathology Laboratory (Insersm U519), Biomedical Research Institute Rouen University & Hospital & IFR23, Rouen, France, 4Department of Neuroscience, Karolinska Institutet, Stockholm, Sweden.

P20 METHOTREXATE-INDUCED ANOREXIA IS ASSOCIATED WITH ALTERATION OF HYPOTHALAMIC NEUROPEPTIDE EXPRESSION AND PLASMA LEVELS OF α-MSH REACTIVE AUTOANTIBODES M. HAMZE SINNO1, S. GALLAS1, M. COEFFIER1, A. IBRAHIM1, D. BREUILLE2, P. DÉCHELOTTÉ1, S.O. FETISSOV1, 1ADEN (Appareil Digestif Environnement Nutrition) Laboratory, Faculty of Medicine-Pharmacy, IFR23 & Rouen University Hospital, Rouen, France, 2Nutrition Department, Nestlé Research Center, Lausanne, Switzerland.

P21 ENDOCRINE AND HYPOTHALAMIC RESPONSES TO CHRONIC FOOD RESTRICTION AND WEIGHT RESTORATION IN THE RAT SL HARGRAVE, KP KINZIG. Dept. of Psychological Sciences, Ingestive Behavior Research Center, Purdue University, West Lafayette, IN, United States.

P22 THE EFFECT OF VISCOSITY ON LEARNED SATIATION P HOGENKAMP1,2, A GOSSES1,2, M MARS1,2, A STAFLEU1,2, C DE GRAAFF1,2, 1Top Institute Food and Nutrition, Wageningen, Netherlands, 2Division of Human Nutrition, Wageningen University, Wageningen, Netherlands.

P23 EFFECTS OF EXPERIMENTAL SPINAL CORD INJURY ON FOOD INTAKE, BODY COMPOSITION AND GASTROINTESTINAL EXPRESSON OF CD36 MRNA IN RATS. GM HOLMES, SD PRIMEAUX, M TONG. Pennington Biomedical Research Center, Baton Rouge, LA, United States.

P24 IMPAIRED GASTRIC EMPTYING USING THE 13C-OCTANOIC BREATH TEST IN RATS WITH EXPERIMENTAL SPINAL CORD INJURY. GM HOLMES, M TONG, EQ CREEKMORE. Pennington Biomedical Research Center, Baton Rouge, LA, United States.

P25 VISFATIN EXPRESSION IN BROWN ADIPOSE TISSUE OF C57BL/6J MICE A. HUOTARI1, O KRYLENKO1, I STUTZER1, AK PURHONEN1, J WALKOWIAK2, KH HERZIG1,2, 1A.I.Virtanen Institute, Univ. of Kuopio, Finland, 2Poznan Univ. Of Medical Sciences, Poznan, Poland, 3Inst. Of Biomedicine, Univ. of Oulu, Finland.

P26 IS THERE NEGATIVE REINFORCEMENT OF EATING BY ENERGY-FLOW DEFICIT IN HUMAN BEINGS? S JARVANDI1, DA BOOTH2, L THIBAULT3. 1Dietetics & Human Nutrition, McGill University, Montreal, QC, Canada, 2Psychology, University of Birmingham, Birmingham, United Kingdom.

P27 POST-INGESTIONAL SIGNALS AND DEPLETION-INDUCED WATER AND SODIUM INTAKE. EG KRAUSE, RR SAKAI. University of Cincinnati, Cincinnati, OH, United States.

P28 VENOUS VERSUS CAPILLARY BLOOD FOR THE PURPOSES OF POSTPRANDIAL GLUCOSE TESTING IN HUMANS. DL KRESGE, KJ MELANSON. University of Rhode Island, Kingston, RI, United States.


P30 ANATOMICAL DIFFERENTIATION OF THE SUPPRESSIVE EFFECTS OF INSULIN ON TWO FOOD REWARD TASKS DF LATTEMANN1,2, J BENNETT-JAY1, S ALIAKBARI1, A ZAVOSH1, AJ SIPOLS1,1VA Puget Sound Health Care System, Seattle, WA, United States, 2University of Washington, Seattle, WA, United States, 3Seattle Institute for Biomedical and Clinical Research, Seattle, WA, United States.

P31 THE EFFECTS OF ENDOTHELIN-1 ON THE GASTRIC ELECTRICAL STIMULATION-INDUCED ANOREXIA IN THE RAT S GALLAS, M HAMZE SINNO, G GOURGEROL, P DÉCHELOTTÉ, AM LEROI, SO FETISSOV, Appareil Digestif Environnement Nutrition Laboratory (ADEN EA3234), Biomedical Research Institute Rouen University & Hospital & IFR23, Rouen, France.

P32 THE EFFECTS OF ANOREXIA NERVOSA ON FOOD INTAKE AND BODY COMPOSITION IN RATS. GM HOLMES, SD PRIMEAUX, M TONG. Pennington Biomedical Research Center, Baton Rouge, LA, United States.
SOCIETY FOR THE STUDY OF INGESTIVE BEHAVIOR

P31 211 MATERNAL CONTROL OF FEEDING IS ESTABLISHED DURING THE FIRST SIX MONTHS OF INFANCY: DIFFERENCES BETWEEN BREAST-FEEDING AND FORMULA-FEEDING MOTHERS. MD LEE, AE BROWN. Dept Psychology, Swansea University, Swansea, SA2 8PP, United Kingdom

P32 212 THE INFLUENCE OF WARMING AND COOLING OF THE TONGUE ON THE ACTIVITY OF ETHANOL/SUCROSE-RESPONSIVENEUROS IN THE PARABRACHIAL NUCLEI IN THE HAMSTER. CS LI, YK CHO. Southern Illinois University, Carbondale, IL, United States

P33 213 THE APPETITE CONTROL BENEFIT OF A FUNCTIONAL LOW FAT YOGURT. A LLUCH, D L’HEUREUX-BOURON, N HANET, B VAN MAELE. Danone Research, Palaiseau, France

P34 214 PALATABLE, HIGH FAT DIET AMELIORATES ANXIETY-LIKE BEHAVIOR INDUCED BY MATERNAL SEPARATION IN MALE RATS. J MANIAM, MJ MORRIS. Pharmacology, School of Medical Sciences, University of New South Wales, Sydney, Australia

P35 215 A HIGH FAT DIET MODIFIES FOOD INTAKE, VAGAL AFFERENT SENSITIVITY TO CHOLECYSTOKININ (CCK) AND MRNA PROFILE OF GUT MEDIATOR RECEPTORS IN VAGAL NEURONS. W NEFTI, N DARCEL, C CHAUMONTET, G FROMENTIN, D TOME. UMR 914, INRA/AGROPARISTECH, Paris, France

P36 216 HIGH-SUGAR AND HIGH-FAT DIETS: DIFFERENTIAL EFFECTS ON EXPRESSION OF GENES INVOLVED IN REWARD AND SATIETY. PK OLSZEWSKI1,2, R FREDRIKSSON2, O STEPHANSSON2, HB SCHIOTH2, AS LEVINE1,3, 1Minnesota Obesity Center, St. Paul, MN, United States, 2Department of Neuroscience, Uppsala University, Uppsala, Sweden, 3Department of Food Science and Nutrition, University of Minnesota, St. Paul, MN, United States

P37 217 FTO GENE IN THE MOUSE BRAIN: DISTRIBUTION AND LINKS WITH CONTROL. PK OLSZEWSKI1,2, R FREDRIKSSON2, AM OLSZEWSKA2, O STEPHANSSON2, AS LEVINE1,3, HS SCHIOTTH. 1Minnesota Obesity Center, St. Paul, MN, United States, 2Department of Neuroscience, Uppsala University, Uppsala, Sweden, 3Department of Food Science and Nutrition, University of Minnesota, St. Paul, MN, United States

P38 218 CALORIC RESTRICTION PRODUCES LONG-TERM CHANGES IN NEURAL PATHWAYS INVOLVED WITH STRESS AND REWARD. DE PANKEVICH, TL BAILE. University of Pennsylvania, Philadelphia, PA, United States

P39 219 I CRAVE IT BUT I DON’T LIKE IT. ML Pelchat, E IZBICKI, M MATTINGLY. Monell Chemical Senses Center, Philadelphia, PA, United States

P40 220 OBESITY-PRONE RATS ARE LESS SENSITIVE TO THE SATIATING EFFECTS OF EXENDIN-4 THAN OBESITY-RESISTANT RATS. SD Primeaux, C Blackmon, MJ Barnes, HD Braymer, GA Bray. Pennington Biomedical Research Ctr, Baton Rouge, LA, United States

P41 221 CONDITIONED ODOR PREFERENCES MEDIATED BY ASSOCIATIONS WITH LIKED TASTES. GJ PRIVITERA. Arizona State University, Tempe, AZ, United States

P42 222 INSURANCE REQUIRED WEIGHT LOSS REGIMEN LED TO WEIGHT GAIN IN BARIATRIC PATIENTS PRIOR TO SURGERY. L.M. PUMA, C.N. OCHNER, T. UNGREDDA, J. TEIXEIRA, A. GELIEBTER. St. Luke’s-Roosevelt Hospital, Columbia University, New York, NY, United States

P43 223 INJECTIONS OF ESTROGENS IN YOUNG FEMALE RATS AND THEIR INTAKE OF PALATABLE INGESTA. LD REID, RA KATZ, ML REID. Rensselaer Polytechnic Institute, Troy, NY, United States

P44 224 SOMATOSTATIN AND CORTICOTROPHIN RELEASING FACTOR LOCALIZATION IN FOREBRAIN NEURONS PROJECTING TO THE PARABRACHIAL NUCLEUS. S SAGGU, RF LUNDY. University of Louisville School of Medicine, Department of Anatomical Sciences and Neurobiology, Louisville, KY, United States

P45 225 SOCIAL INFLUENCES ON CHILDREN AND YOUTH FOOD INTAKE. S. J SALVY. SUNY Buffalo, Buffalo, NY, United States

P46 226 REGULATION OF FOOD INTAKE BY GONADOTROPIN RELEASING HORMONE II IN AN ANIMAL MODEL OF BINGE EATING DISORDER. JS SCHNEIDER, E RISSMAN. Dept of Biochem and Mol Genetics University of Virginia, Charlottesville, VA, United States
**ACTIVATION MAPS IN THE NUCLEUS OF THE SOLITARY TRACT (NTS) IN RESPONSE TO INTERNAL STIMULI**

J. Schwarz¹, N. Darcel¹, O. Rampin², P. Andrey³, J. Burguet², G. Fromentin¹, Y. Maurin², D. Tome¹. ¹Nutrition Physiology and Ingestive Behavior, INRA / AgroParisTech, Paris, France, ²NOPA, UMR 1197, INRA, Jouy-en-Josas, France

**JEJUNAL POUCH RECONSTRUCTION BUT NOT PRESERVATION OF DUODENAL PASSAGE AFTER TOTAL GASTRECTOMY REDUCES PLASMA CHOLECYSTOKININ AND PANCREATIC POLYPEPTIDE LONG TERM IN PIGS.**

U. Smedh¹, T. Zilling². ¹Lund University Hospital, Lund, Sweden, ²Varberg County Hospital, Varberg, Sweden

**LONG TIME COURSE ADAPTATION OF GLUCOSE METABOLISM TO HIGH PROTEIN FEEDING IN RATS WITHOUT CHANGES IN RESTING ENERGY EXPENDITURE**


**EFFECT OF PACE OF EATING ON WITHIN-SESSION DECREASES IN HUMAN EATING BEHAVIOR BY INSTRUCTING PARTICIPANTS TO CHEW EACH MOUTHFUL OVER 30 TIMES**

Y. Takaki¹, K. Aoyama². ¹Department of Psychology, Graduate School of Letters, Doshisha University, Kyoto, Japan, ²Department of Psychology, Faculty of Letters, Doshisha University, Kyoto, Japan

**INFLUENCE OF A HIGH FAT DIET ON BRAIN-DERIVED NEUROTROPHIC FACTOR (BDNF)**

N. Zeeni¹, C. Chaumontet¹, E. Moyse², N. Darcel¹, C. Tardivel², D. Tome¹. ¹UMR 914 Nutrition Physiology and Ingestive Behavior, AgroParisTech, Paris, France, ²Laboratoire de Physiologie Neurovégétative, Université Paul Cézanne, Marseille, France

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**SYMPOSIUM: NUTRIENT AND ENERGY SENSING**

Chair: Stylianos Nicolaidis

**PERIPHERAL ENERGY SENSING IN THE CONTROL OF EATING - NEW DEVELOPMENTS**

W. Langhans. Institute of Animal Sciences, ETH Zurich, Schlieren, Switzerland

**HYPOTHALAMIC INTEGRATION OF HORMONAL INPUTS**

J.C. Bruening. Institute for Genetics, University of Cologne, Cologne Germany

**IMPLICATIONS OF ARCULATE NUCLEUS ACC AND MALONYL-CoA IN THE REGULATION OF ENERGY BALANCE**

S. Gao¹². ¹Johns Hopkins University School of Medicine, Baltimore, MD, United States, ²University of Alberta, Edmonton, AB, Canada

**NUTRIENT SENSING IN HUMANS: EFFECTS ON VAGALLY-MEDIATED TISSUE RESPONSES, HUNGER AND FOOD INTAKE**

K.L. Teff. Monell Chemical Senses Center, Philadelphia, PA, United States

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**SYMPOSIUM: LEARNING AND ENVIRONMENTAL INFLUENCES ON FOOD INTAKE**

Chair: Suzanne Higgs

**PALATABILITY AND THE STIMULATION OF APPETITE: A ROLE FOR LEARNING**

M.R. Yeomans. Department of Psychology, University of Sussex, Brighton, United Kingdom

**THE ROLE OF LEARNING IN EXPECTED SATIETY AND DECISIONS ABOUT PORTION SIZE.**

J.M. Brunstrom. University of Bristol, Bristol, United Kingdom

**CUE-POTENTIATED FEEDING**

P.C. Holland. Johns Hopkins University, Baltimore, MD, United States

**GHRELIN’S ROLE IN FEEDING BEHAVIOR AND MEMORY PERFORMANCE.**

S. Di Ano. Yale University Depts Ob/Gyn & Reproductive Sciences and Neurobiology, New Haven, CT, United States
11:00 - 12:30 AgroParisTech: Auditorium Risler

ORAL SESSION 9: GUT FACTORS IN FEEDING CONTROL

Chair: Sheng Bi

11:00 INVOLVEMENT OF PERIPHERAL GLP-1 IN SATIETY, GLYCEMIC CONTROL AND GASTRIC MOTILITY
JH STRUBBE¹, ACM HEINSBROEK³, D D'ALESSIO², G VAN DIJK¹. ¹Center for Behavior and Neurosciences, University of Groningen, Haren, Netherlands, ²Department of Medicine, University of Cincinnati, Cincinnati, OH, United States

11:15 FUNCTION AND CELLULAR SIGNALING OF BITTER TASTE RECEPTOR AGONISTS IN THE MAMMAL GUT
S HAO³, JW SHARP¹, E ESPERO¹, L RINAMAN⁴, C STERNINI³, HE RAYBOULD¹. ¹Department of Anatomy, Physiology, & Cell Biology, University of California, Davis, CA, United States, ²Department of Neuroscience, University of Pittsburgh, Pittsburgh, PA, United States, ³CURE Digestive Diseases Research Center, Division of Digestive Diseases, David Geffen School of Medicine, University of California, Los Angeles, CA, United States

11:30 NIGHT EATING SYNDROME IN BARIATRIC SURGERY PATIENTS
T UNGREDDA, M WELTSCH, L.M PUMA, M BALDINGER, J TEIXEIRA, A GELIEBTER. ¹Monash University, Clayton, Australia, ²Monash University, Prahran, Australia

11:45 A RODENT MODEL OF THE ADJUSTABLE GASTRIC BAND - MECHANISMS OF ACTION.
J KAMPE¹, W A BROWN³, J B DIXON², B J OLDFIELD¹. ¹Monash University, Clayton, Australia, ²Monash University, Prahran, Australia

12:00 ENERGY EXPENDITURE, PLASMA GHRELIN, GLP-1, PYY CONCENTRATIONS, AND SATIETY FOLLOWING A SINGLE HIGH PROTEIN LUNCH
A SMITTS, S SOENEN, N LUSCOMBE, M WESTERTERP-PLANTENG, M.A. HORN¹. ¹Maastricht University, Dept. of Human Biology, TIFN, Maastricht, Netherlands

12:15 MODULATION OF THE VOMITING RESPONSE IN HOUSE MUSK SHREWS BY FOOD RESTRICTION.
C.C. HORN¹, C.E. FITZGERALD², M.I. FRIEDMAN¹. ¹Monell Chemical Senses Center, Philadelphia, PA, United States, ²University of Pennsylvania, Philadelphia, PA, United States

12:30 - 14:30 LUNCH - FREE TIME

SSIB 2008 • JULY 15-19, 2008 • PARIS, FRANCE
### MARS LECTURE

**Chair:** Marion Hetherington

**252** Satiety Phenotypes: Individual Variability in the Control of Overconsumption  
**JE BLUNDELL. Biopsychology Group, Institute of Psychological Sciences, University of Leeds, Leeds, United Kingdom**

### NIDDK LECTURE

**253** NIDDK Lecture  
**PF SMITH. Deputy Director of the Division of Diabetes, Endocrinology, and Metabolic Diseases National Institute of Diabetes and Digestive and Kidney Diseases**

### BREAK

**16:00 - 16:30** Arts et Métiers ParisTech: Auditorium

### AWARDS SESSION

**16:30 Award Announcements**  
**Chair:** Alan Spector  
- Gerard P. Smith Award for the best graduate student presentation  
- TestDiet Jackson Laboratory Scholarship for the best postdoctoral fellow presentation

**16:35 Alan N. Epstein Research Award**  
**Chair:** Ruth Harris  
Susanne la Fleur: Why we should not drink soda when eating fries – the brain’s maladaptive response to fat and sugar

**17:00 Distinguished Career Award**  
**Chair:** Stephen Woods  
Anton Steffens: The brain, metabolism and good food

### SSIB BUSINESS MEETING

**17:30 - 18:30** Arts et Métiers ParisTech: Auditorium

### SSIB AWARDS BANQUET

**20:00 - 1:00** Gabarre's Barge, La Compagnie des Bateaux Mouches

Meet in front of boat at 20:00, Port de la Conference – Pont de l’Alma, Right Bank of Seine.
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What we stand for

Dairy is our life's work. It's our passion and it's what we do best.

We have always marvelled at the simple nutrition of dairy. In an age when you need a chemistry degree to understand food labels, milk is pure milk, providing the building blocks for a healthy life.

We are proud of our New Zealand roots. Year after year, our farmers in New Zealand work with the land and their cows to bring quality milk to millions of people around the world. They have passed their farming expertise down through the generations, keeping alive the time-honoured traditions that have catapulted New Zealand to the forefront of the global dairy industry.

Since Fonterra Co-operative Group was formed in 2001, we have become the world's largest dairy exporter with over 11,000 shareholders. We export 95 per cent of our New Zealand-made dairy products to our customers and consumers in more than 140 countries. Our milk tankers collect 14 billion litres of milk every year. That's enough to give every person in the world two glasses of milk.

No matter where we are in the world, dairy is what makes us tick.
AstraZeneca is one of the world's leading pharmaceutical companies. Backed by our strong research base and extensive manufacturing and commercial skills, we focus on turning good ideas into effective medicines that make a difference in important areas of healthcare. And we encourage innovation in all areas of our business because the more good ideas we have, the more we can add value for our customers, shareholders, employees and the wider community.
UMAMI & GLUTAMATE

A hot topic for Scientists, Chefs and Food Lovers around the world

Umami was discovered in 1908 by a Japanese scientist, Professor Kikunae Ikeda. Along with sweet, salty, sour and bitter, umami is one of the five basic tastes. It is found in many foods, and is becoming increasingly well known around the world, with the Japanese word umami entering the international culinary lexicon. The umami flavor is rooted in food-added free amino acid, glutamate, which has been recently described as an important physiological facilitator of gastric emptying.

The Ajinomoto Group, as a member of non-for-profit association “International Glutamate Information Service” carries out a number of activities in order to provide scientific data on glutamate and disseminate information about umami around the world.

For more info about Ajinomoto and Umami
www.ajinomoto.co.jp
www.ajinomoto-europe.com
http://www.glutamate.org/
BRING HEALTH THROUGH FOOD TO THE GREATEST AMOUNT OF PEOPLE DANONE RESEARCH, AT THE HEART OF THE GROUPE’S MISSION

It is the Groupe DANONE fundamental belief that food is one of the principal means by which Man can preserve his health capital. DANONE science is all about its research teams identifying those functionalities, in nature, which can be integrated into products, thus making them readily available to consumers.

CURRENT RESEARCH PROJECTS ARE FOLLOWING TWO MAJOR OBJECTIVES:

- Contribute to building the individual’s health capital and maintaining it throughout his life.
- Make nutrition play its part in dealing with specific pathologies.

Nowadays, DANONE is present in four domains of expertise: Fresh Dairy Products, Waters, Baby Nutrition and Medical Nutrition. All its R&D skills are concentrated in Danone Research, a world-wide organisation operating out of 15 different countries.

DANONE RESEARCH - KEY AREAS OF EXPERTISE

- Pre- and pro-biotics, bacterial strains and fermentation
- Clinical trial management
- Food Design
- Human physiology and general nutrition
- Consumer science
- Clinical nutrition
- Baby milk
- Hydrology and Water treatment
- Packaging

DANONE RESEARCH

- An international community, employing 1,250 people, 500 of which are working in the Daniel Carasso Centre (mainly dedicated to the R&D activities of the Fresh Dairy Products and Water divisions), another 200 in the Centre for Specialised Nutrition (dedicated to the R&D activities of the Medical Nutrition and Baby Nutrition divisions).
- 200 scientific collaborations throughout the world
- 500 scientists: nutritionists, physiologists, immunologists, neurologists, doctors, food engineers, micro-biologists, molecular biologists, biochemists, food safety specialists, sensory analysis specialists, consumer behaviour experts, etc...
- A world-wide network of developers, set up to provide a good understanding of local needs and help accelerate product launches
- 346 patents (42 applications in 2007)
- Budget for year 2008: €220 million

CONTACT: DANONE RESEARCH – Centre Daniel Carasso
         91767 PALAISEAU CEDEX - France • Communication Department: +33 (0)1 69 35 70 00
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Journal description

APPETITE: In Corpore Sano? Food Fears and Health in Past and Present
Guest Editors: Alan Grieco and Peter Scholliers
Volume 51, Issue 1, Pages 1-230 (July 2008)

Physiology & Behavior: Traces in Metabolism and Nutrition
Edited by Margriet S. Westerterp-Plantenga
Volume 94, Issue 2, Pages 155-308 (May 2008)
MARS

Chocolate and food – enjoyed as part of a balanced diet and healthy lifestyle – brings pleasure to people’s lives. Lifestyle changes, along with social and environmental changes including food, have led to a series of public health concerns.

As a global food manufacturer, Mars aspires to be the leader in creating a healthier environment, making a significant contribution to the promotion of a healthy lifestyle through our products – both existing and new – and further improving our business behaviour to ensure the responsible consumption of our brands.

Four core tenets support our aspirations: information, renovation, innovation, and responsibility.

- Our consumers want to make informed choices. We are committed to providing clear information on the nutritional values and ingredients of our products.

- We are committed to renovating our portfolio by seeking to continuously improve its nutritional content – without compromising on taste and quality. For example, since 2002, Mars has been at the forefront of the food industry with a programme to reduce trans fats. As a result, more than 99% of our snack food sales now contain less than 0.5% trans fats, with the remainder containing less than 1%.

- Our innovation enables us to deliver alternative options to our core brands.

- We are committed to marketing our products responsibly: for example, we were the first food company to globally commit to not advertising to children under 12 years. We have an internal code of practice which covers all of our marketing techniques.

Food manufacturers have a role to play in creating a healthier environment and promoting healthy lifestyles and we are committed to being part of this.
Unilever’s mission is to add vitality to life. We meet everyday needs for nutrition, hygiene, and personal care with brands that help people feel good, look good and get more out of life. Around the world our Foods and Home and Personal Care brands, such as Lipton, Knorr, Dove, Omo, Slim-Fast, Bertolli, Hellmann’s, Axe and Becel/Flora, are chosen by individual consumers 150 million times a day. Worldwide, 180,000 employees in around 100 countries work for Unilever. www.unilever.com

Research: The Unilever Food and Health Research Institute (UFHRI). UFHRI is Unilever’s central foods research institute for global innovations. With laboratories in The Netherlands, China and India, UFHRI has world-leading capabilities in strategic areas of food and nutrition science & technology, from molecules to behaviour, for the developed and developing world:
- Nutrition & health
- Consumer perception & behaviour
- Flavour generation & delivery
- Foods structural design
- Advanced food microbiology
- Processing science
- Advanced measurement, imaging and data analysis

Examples of weight control research and benefits from our brands

Slim-Fast
Efficacy of our Slim-Fast weight management brand is supported by an extensive record of published studies of clinical trials and free-living populations. We also have an active programme of innovation research evaluating new ingredients and scientific developments, to optimize the nutritional and weight control benefits of our products.

Lipton Tea
Tea is a natural source of flavonoids and a healthy source of hydration. Lipton Linea is a calorie-free green tea beverage, available in hot and cold formats, for individuals who want to take care of their shape. It is naturally twice richer in catechins compared with Lipton’s classic range of green teas. We have confirmed a beneficial effect of catechin-enriched green tea on measures of abdominal fat and body weight in an Asian population, and have more recently undertaken research on this with Western subjects.

Our experts at the Lipton Institute of Tea (www.liptoninstitutetea.org) continue to increase our understanding of the health benefits of tea and its actives.

### Tuesday, July 15, 2008
- 11:00 - 14:00: SSIB Board Meeting
- 14:00 - 19:00: Meeting Registration
- 18:00 - 20:00: Opening Reception

### Wednesday, July 16, 2008
- 8:00 - 9:00: Meeting Registration
- 8:15 - 8:30: Opening Greeting
- 8:30 - 10:30: New Investigator Symposium
- 10:30 - 11:00: Break
- 11:00 - 12:00: Mars Lecture
- 12:00 - 14:00: Lunch - Free Time
- 12:30 - 14:00: New Investigator Picnic Lunch
- 14:00 - 15:00: Meeting Registration
- 14:00 - 16:00: Oral Session 1: Macronutrient Influences on Feeding Symposium: Gut Peptides and Energy Balance
- 16:00 - 16:30: Break
- 16:30 - 18:00: Oral Session 2: Central Controls of Food Intake 1
- 16:30 - 18:00: Oral Session 3: Leptin/Ghrelin
- 18:00 - 20:00: Meeting Registration
- 18:00 - 20:00: Posters 1

### Thursday, July 17, 2008
- 8:00 - 9:00: Meeting Registration
- 8:30 - 10:30: Presidential Symposium
- 10:30 - 11:00: Break
- 11:00 - 12:00: Mars Lecture
- 12:00 - 15:00: Lunch - Free Time
- 12:30 - 14:30: Ajinomoto Satellite Symposium
- 14:00 - 15:00: Meeting Registration
- 15:00 - 17:00: Oral Session 4: Social/Behavioral Influences on Food Intake Symposium: Signal Processing in the Gustatory System
- 15:00 - 17:00: Optional Evening Event: Musee d'Orsay
- 17:00 - 19:00: Meeting Registration
- 17:00 - 19:00: Posters 2
- 19:30 - 23:30: Posters 2

### Friday, July 18, 2008
- 8:00 - 9:00: Meeting Registration
- 8:30 - 10:30: Symposium: Feeding And Reward
- 10:30 - 11:00: Break
- 11:00 - 12:00: Mars Lecture
- 12:00 - 14:00: Lunch - Free Time
- 12:15 - 14:00: SSIB Professor – Student Lunches
- 14:00 - 15:00: Meeting Registration
- 14:00 - 16:00: Oral Session 5: Taste and Appetite Control
- 16:00 - 16:30: Break
- 16:30 - 18:00: Oral Session 6: Peripheral/Central Interactions in Feeding Control
- 16:30 - 18:00: Oral Session 7: Developmental and Sex Dependent Aspects of Food Intake
- 18:00 - 20:00: Meeting Registration
- 18:00 - 20:00: Posters 3

### Saturday, July 19, 2008
- 8:30 - 10:30: Symposium: Learning and Environmental Influences on Food Intake
- 8:30 - 10:30: Symposium: Nutrient and Energy Sensing
- 10:30 - 11:00: Break
- 11:00 - 12:30: Oral Session 8: Central Controls of Food Intake 2
- 11:00 - 12:30: Oral Session 9: Gut Factors in Feeding Control
- 12:30 - 14:30: Lunch - Free Time
- 14:30 - 15:30: Mars Lecture
- 15:30 - 16:00: NIDDK Lecture
- 16:00 - 16:30: Break
- 16:30 - 17:30: Awards Session
- 17:30 - 18:30: SSIB Business Meeting
- 20:00 - 1:00: SSIB Awards Banquet
SAVE THE DATES!

SSIB 2009
PORTLAND, OREGON
July 28 – August 1, 2009
The Benson Hotel

SSIB 2010
PITTSBURGH, PENNSYLVANIA
July 13 – 17, 2010
The Sheraton Station Square

SSIB 2011
CLEARWATER, FLORIDA
July 12 – 16, 2011
Sheraton Sand Key Resort