

Curriculum Vitae

Name: Matthias H. Tschöp, M.D.
Place of Birth: Munich, Germany
Citizenship: German

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Education

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| 1977 – 1986 | High school, Oscar-von-Miller Gymnasium, Munich, Germany |
| 1986 – 1987 | Military service, 1. Bavarian Alpine Division, Munich, Germany |
| 1983 – 1999 | Red Cross Service, Bavarian Mountain Guard, Rottach-Egern (1998-1999 as emergency physician) |
| 1987 – 1994 | Pre-medical and medical school, internship in internal medicine, surgery and psychiatry at the Ludwig-Maximilians-University, Munich, Germany |
| 1994 | Graduation from Medical School, Ludwig-Maximilians-University, Munich, Germany |
| 1998 | Thesis (“Magna Cum Laude”, Dr. med.): <i>“Development and clinical application of a non-isotopic method for the quantification of salivary testosterone”</i> Ludwig-Maximilians-University, Munich, Germany |

Academic Employment

1995 -1999	Resident, Department of Internal Medicine, Innenstadt University Hospital, Ludwig-Maximilians University, Munich
1995 -1999	Research Fellow, Neuroendocrine Unit, Innenstadt University Hospital, Ludwig-Maximilians University, Munich
1999 - 2002	Postdoctoral Scientist, Discovery Research, Lilly Research Laboratories, Eli Lilly and Co., Indianapolis, US
2002 - 2003	Senior Scientist, Dept. of Pharmacology, German Institute of Human Nutrition (DIfE), Potsdam-Nuthetal, Germany
2003 - present	Visiting Professor, Dept. of Pharmacology, German Institute of Human Nutrition, Potsdam-Nuthetal, Germany
2003 - 2009	Associate Professor, Departments of Psychiatry & Medicine, Obesity Research Center & Genome Research Institute, University of Cincinnati, OH, US (Tenure since 2007)
2009 - present	Professor, Institute for Metabolic Disease, Division of Endocrinology, Diabetes & Metabolism, Dept. of Medicine, University of Cincinnati – College of Medicine
2009 - 2011	Research Director, Cincinnati Diabetes & Obesity Centre, University of Cincinnati – College of Medicine
2010 - 2011	Arthur Russell Morgan Chair of Medicine, University of Cincinnati – College of Medicine
2011- present	Director, Helmholtz Institute for Diabetes and Obesity, German Research Centre for Environmental Health, Munich, Germany
2012-present	Chair, Dept. of Metabolic Diseases & Professor of Medicine, Technical University Munich, Germany
2012-present	Alexander-von-Humboldt Professor, Technical University Munich, Germany

Awards & Honors

Werner-Creutzfeld-Award of the German Diabetes Society 2012
(for Achievements in Research on Diabetes Pathophysiology und Therapy)

Alexander von Humboldt Professorship, 2011
(Highest endowed German research award, first and only physician to receive this award)

Scientific Achievement Award, American Diabetes Association, 2011
(Recognizes research in diabetes that demonstrates particular independence of thought and originality, awarded annually to one nominee worldwide up to the age of 50 years)

NIH/NIDDK 60th Anniversary Scholar Award, 2010
(Recognizing achievements that exemplify excellence in medical research funded or supported by the NIDDK. Nominated by the National Institute for Obesity Research)

André Mayer Award, Int. Association for the Study of Obesity (IASO) 2010
(recognizing worldwide outstanding research in the field of obesity, awarded once every 4 years, previous award winners: P. Trayhurn, E. Ravussin, A. Astrup, S. Farooqi, among others)

The “*Neuroendocrinology Editor’s*” Plenary Lecture 2010, 7th International Congress of Neuroendocrinology *(“honoring a scientist who has made an outstanding contribution to the field of Neuroendocrinology”)*

Elected Member, The American Society for Clinical Investigation (ASCI) 2009
(Introduction at the annual ASCI meeting, April 2009, Chicago)

Pfizer Visiting Professor, University of Virginia, Charlottesville, Virginia, 2009-10

Scientific Achievement Award, The Obesity Society (TOS/NAASO) 2007
(“Recognizing excellence in an established research career in obesity research”)

Christina Barz Award of the German Society for Psychiatry, Neurology and Psychosomatic Medicine 2007 *(“Annual award for outstanding contributions in the field of bulimia and anorexia nervosa research”)*

Young Investigator Award, European Neuroendocrine Association (ENEA), 2002

Schoeller-Junkmann Award of the German Endocrine Society (DGE) 2001
(“Annual award for outstanding scientific achievement in endocrinology”)

Lilly Research Laboratories President’s Award, 2000

Eli Lilly Endocrine Research Award for Science, 2000

Multiple Poster Awards at International Meetings *(i.e. European Meeting on Endocrinology of Obesity, Venice, Italy 1998, Int. Meeting on Growth Hormone and Growth Factors, Antwerp, Belgium 1997)*

Selected “Hot Paper” by *The Scientist*, for Tschöp M et al., *Nature* 2000. 407:908-13. (to date cited > 2100 times) and for Tschöp M et al., *Diabetes* 2001. 50:707-9 (to date cited > 1000 times).

Media Presence: Coverage of scientific work and interviews in *Time Magazine* (3), *Scientific American*, *New York Times*, *New York Times Magazine*, *Washington Post*, *The Scientist*, *The New Scientist*, *Der Spiegel*, *Cincinnati Enquirer*, *WKRC-TV Channel 12*, *National Public Radio*, etc.

Organizer and Chair of *Keystone Obesity Symposium 2013: Neural Control of Body Weight*

Organizer and Chair of *EMBL Conference on Diabetes and Obesity*, Heidelberg, 2012

Organizer and Chair of *Helmholtz/Nature Medicine Metabolic Disease Conference 2013*, Munich, Germany

Chair of numerous national and international Scientific Sessions including: *The Endocrine Society 2004*, *American Diabetes Association 2005 & 2006*, *NAASO/TOS 2005, 2006*, *Keystone Obesity & Diabetes Meeting 2005, 2006 & 2007* and *FASEB 2011*.

Selected Academic Service

Chair and Organizer: *Cincinnati Obesity and Diabetes Center of Excellence (CDOC)*, Annual Retreat 2010 and 2011

Director: Graduate Course, *Neuroendocrinology*, Neuroscience Graduate Program University of Cincinnati College of Medicine (2005 – present)

Lecturer: Interdisciplinary Graduate Course *Emerging Concepts in Targeting Common Metabolic Disorders* (2009 - present)

Member, *Institutional Animal Care and Use Committee (IACUC)* Univ. Cincinnati (3/2006 – present)

Chair, *Basic Research Steering Committee, Diabetes and Obesity Center of Excellence*, University of Cincinnati & Cincinnati Children’s Hospital

Associate Director, *NIH Mouse Metabolic Phenotyping Center*, University of Cincinnati, Metabolic Diseases Institute, (2004 - ongoing)

Associate Director, *Mouse Behavioral Core*, University of Cincinnati Metabolic Diseases Institute (2004 – 2009)

Member, NIH-NIDDK Study Section IPOD (Integrated Physiology of Diabetes and Obesity) (ad hoc Reviewer since 2009)

Reviewer NIH-NIDDK, Study Section: *Diabetes, Endocrinology, and Metabolic Diseases* Study Section B (3/2006)

Reviewer NIH-NIDDK, Study Section: *Clinical and Integrative Diabetes and Obesity* (CIDO) (10/2006)

Reviewer NIH-NIDDK, *Special Emphasis Panel on Obesity and Diabetes* (2/2008, 10/2008)

Reviewer NIH-NIDDK, *Integrated Physiology of Obesity and Diabetes* (IPOD) *Special Emphasis panel and challenge grants* (2009)

Reviewer, *Pilot and Feasibility Program*, Diabetes Centre, University of Michigan

Reviewer, *Pilot and Feasibility Program*, Division of Endocrinology & Metabolism, University of Pennsylvania

Reviewer, *Pilot and Feasibility Program*, Diabetes Centre, Cincinnati, Children's Hospital.

Consultant, NIH PPG, Iowa University Cardiovascular Research Centre

Consultant, *Obesity & Metabolism Research Center*, University of Alabama

Member, Scientific Advisory Board, *International Conference on Awareness of Obesity and Diabetes*, Athens, Greece, October 2010

Reviewer, *American Diabetes Association* (ADA) Abstracts & Research Grants, (2005 – ongoing)

Reviewer, *The Obesity Society* (TOS) Abstracts & Research Grants, (2004 – ongoing)

AdHoc Reviewer, *German Research Council* (DFG) (2007 – ongoing)

Ad-Hoc Reviewer, *The Wellcome Trust*, London UK

Ad-Hoc Reviewer & Consultant, *Spanish Government, Ministry of Health*

Member, Grant Review Panel, *Davis Foundation for Eating Disorder Research* (invited by Jeff Friedman), 2009 - ongoing

Steering Committee Member, SME-advisor and Neuroscience Coordinator
European Commission Framework Program 6: “*New Drug Targets for Diabetes*”
(2003 – 2008)

Scientific Advisor for the *International Prader-Willi Alliance for Research* (2003 – present)

Mentor: Experimental Design, Pharmacology, Diabetes, Endocrinology and Physiology of Undergraduate & Graduate Students, Research Assistants, Postdoctoral Fellows and Junior Faculty, *Metabolic Disease Institute, University of Cincinnati* (2003 - ongoing)

Consulting & Scientific Advisory Board Memberships

Scientific Advisory Board Member, Pennington Biomedical Research Laboratories, Baton Rouge, LA, USA

Scientific Advisory Board Member, *Marcadia Biotech*, Carmel, IN (2006-2010)

Consultant, Roche Pharmaceuticals, Basel, Switzerland (2011-present)

Scientific Advisor, *Ambrx Pharmaceuticals*, San Diego, CA, US, (2008 – present)

Scientific Advisory Board Member, *Acylin Biotech*, Boston, MA, US, (2009-present)

Scientific Advisor, *Zydus Cadilla Pharm.*, Ahmedabad, India (2009 – 2011)

Scientific Advisor, Diabetes and Obesity, *Takeda Pharm.*, Chicago, USA (2009 – 2010)

Scientific Advisory Board Member, *DiaLean Biotech*, New Jersey, (2010)

Member, Drug Discovery Advisory Board, *Forest Research Laboratories*, (2010 - present)

Scientific Advisory Board Member, *Elixir Pharmaceuticals*, Boston, MA, US, (2004 – present)

Scientific Advisor, *Novartis Pharm.*, Boston, USA, (2007)

Consultant, *Biomeasure/Ipsen Inc.*, Boston, MA, US, (2003 – 2008)

Consultant, *Beckmann-Diagnostic Systems Laboratories (DSL)*, Webster, TX,

US, (2004 – 2007)

Consultant, *DOV Pharmaceuticals*, NYC, NY, US, (2004 – 2007)

Editor for Scientific Journals and Textbooks:

Molecular Metabolism (new journal, Elsevier, Editor in Chief)
J Clin Invest (Consulting Editor, Editorial Board Member, 2009 - ongoing)
PLoS Genetics (Guest Editor, 2010 – ongoing)
Endocrinology (Editorial Board Member 2005 – 2008)
Frontiers of Endocrinology (Associate Editor 2011-ongoing)
Am J Physiol Endocrinol Metab (Editorial Board Member 2007 - ongoing)
European Journal of Endocrinology (Associate Editor 2005 - ongoing)
Obesity & Metabolism (Associate Editor, 2005 - ongoing)
Obesity *Facts* (Associate Editor, 2007 - ongoing)
Editor, Online Obesity Textbook: www.obesitext.com (2004 – ongoing)
Reviews in Endocrine and Metabolic Disorders, Guest Editor (2010/11)
Adipocyte (Editorial Board Member, 2011 – ongoing)

Reviewer for Scientific Journals (selected examples):

Nature
Science
Cell
Science Translational Medicine
Nature Medicine
Cell Metabolism
New England Journal of Medicine
The Lancet
Journal of Clinical Investigation
Nature Neuroscience
Nature Reviews Neuroscience
Nature Communications
PNAS
JAMA
PLOS Medicine
Aging Cell
Diabetes
Gastroenterology
Journal of Neuroscience
Endocrinology
Obesity
American Journal of Physiology
Molecular Endocrinology
International Journal of Obesity
Journal of Clinical Endocrinology and Metabolism

Clinical Endocrinology
The Journal of Endocrinology
The Journal of Neuroendocrinology
Molecular Biology of the Cell
American Journal of Clinical Nutrition
Diabetologia
Journal of Internal Medicine
Nature Reviews Endocrinology
Annals of Medicine
The Journal of Cell Biology

Membership in Professional Societies:

American Diabetes Association (ADA)
American Society for Clinical Investigation (ASCI)
The Obesity Society (TOS/NAASO)
The Endocrine Society
The European Neuroendocrinology Association (ENEA)
Society for the Study of Ingestive Behavior (SSIB)
German Endocrine Society (DGE)
German Diabetes Society (DDG)

Current and Previous Funding:

European Union FP7 Research Grant: EUROCHIP (2009-2013), 5 Million Euros for 6 Laboratories: O’Rahilly, Tschöp, Froguel, Bloom, Brüning, Jockers)

NIH/NIDDK R01 DK069987, PI: Tschöp, 4th percentile, 8/2005-9/2010, “Neuroendocrine Regulation of Spontaneous Physical Activity” (30%)

NIH/NIDDK R01, PI: Tschöp, “Neuroendocrine Regulation of Adipocyte Metabolism” (5th percentile, score: 140, 1/2009 – 1/2014) (20%)

NIH/NIDDK R01, PI: J. Moscat, Univ. Cincinnati, Role of P-62 signaling in energy metabolism 5%

NIH/NIDDK P01 NIH NIDDK 56863 Tschöp: Core Leader, 6/2006-7/2011, Director: Steve Woods “High fat diet induced obesity and diabetes” (20%)

NIH/NIDDK 59630 Co-PI: Tschöp, Dir.: P. Tso 6/2006 – 6/2011) Energy Balance Core, “Mouse Metabolic Phenotype Center (MMPC)” (5%)

NIH/NIDDK R01, PI: Hui, Co-PI: Tschöp VLDL-R and lipid metabolism (3/2007–3/2011) (5%)

NIH/NIDDK R24, PIs: Cole (JHMI) & Tschöp. GOAT as a drug target for metabolic disease (2011-2012) (2.5%) (received 2.4 priority score, according to NIH section officer will be funded starting 2011)

ADA research grant, PI: Obici, Co-PI: Tschöp, "Role of Leptin Action in Muscle" (5%)

NIH/NIDDK Neuroscience Training Grant for University of Cincinnati Obesity Research Centre, PI: J. Herman, Co-PI: Tschöp, (2006–2010)

NIH/NIDDK Neuroendocrinology Training Grant for University of Cincinnati Obesity Research Centre, PI: S. Woods/R. Seeley, Co-PI: Tschöp, (2008– 2012), Funding one postdoctoral fellow in the Tschöp laboratory (Dr. Kirk Habegger)

S10 RR028047-01 Instrument Grant (TSE LabMaster – CaloS Dri/Fed+AC/Act.XY-Tel, 3x8), Score 1.8, funding approved 4/2010

Davis Foundation Fellowship – funding one postdoctoral fellow in the Tschöp laboratory (Dr. Timo Mueller) 2009-2013

Training Grant, German Institute of Human Nutrition and University of Potsdam. Funding one graduate student in the Tschöp laboratory (Ms Henriette Kirchner) 2007-2010

Industry Support: Marcadia Biotech (Roche Pharm), Ethicon Endosurgery (J&J), Ambrx Inc, Zydus Cadilla Pharm, others.

Total: Ca. \$2.0 Million direct funds/year (total ca. 2.7 Millions direct + indirect funds/year), resulting in 95% coverage of own salary and 100% salary coverage for all lab members (ca. 30 employees and students).

Notable Invited Lectures (Selected out of > 200):

International Congress of Endocrinology (ICE) Sidney, Australia, 2000

Keystone Obesity Meeting, Taos, NM, 2001

European Congress of Endocrinology, Turin, Italy, 2001

Mount Sinai School of Medicine, New York, NY, 2001

European Neuroendocrine Association, Munich, Germany, 2002

Dept. of Neurobiology, Yale Medical School, New Haven, CT, USA, 2002,

European Congress of Endocrinology, Lyon, France, 2003

Dept. of Neuroscience, Karolinska Institute, Stockholm, Sweden, 2003

Int. Conf on Energy Balance, Hammersmith Hospital, London, UK, 2003

The Obesity Society, Ft. Lauderdale, FL, 2003

Int. Congress of Endocrinology (ICE), Lissabon, Portugal, 2004

The Endocrine Society, New Orleans, LA 2004

FASEB Experimental Biology Conference, Washington DC, 2004

BIDMC Grand Rounds, Harvard Medical School, Boston, MA 2004

University of Chicago, Department of Endocrinology, Chicago, IL, 2004
Society for Neuroendocrinology, New Orleans, LA, 2004
University of Pennsylvania, Diabetes Centre, Philadelphia, PA, 2005
University of Calif. San Francisco, Diabetes Centre, San Francisco, CA, 2005
University of Washington, Washington, Seattle, 2005
Columbia University, Naomie Berrie Diabetes Centre, New York, NY, 2005
American Diabetes Association, San Diego, CA, 2005
Ernst Klenk Symposium Molecular Medicine, Cologne, Germany 2005
Keystone Symposium, Gut Hormones, Santa Fe, NM, 2006
FASEB Meeting, San Francisco, CA, 2006
American Heart Association, Annual Meeting, Chicago, Illinois, 2006
Columbia University, Naomie Berrie Diabetes Centre, New York, NY, 2007
University of Michigan, Diabetes Centre, Ann Arbor, MI, 2007
John B. Pierce Laboratories, Yale University, New Haven, CT, 2007
Australian Neuroendocrine Assoc., Christ Church, New Zealand, 2007
The Obesity Society, Lilly Award Lecture, New Orleans, 2007
University of Cambridge, Diabetes Centre, Cambridge, UK, September 2007
New York Academy of Science, NYC, Dec. 11 2008
Centennial ASPET Conference, FASEB 2008, San Diego, CA, 2008
The Endocrine Society 2008, San Francisco, CA, 2008
University of Southern California, Dept. of Physiology, 2008
Keystone Obesity Meeting, Keystone, Colorado, 2009
The Ramanbhai Foundation 4th Int. Symp, Ahmedabad, India, 2009
Mount Sinai Hospital New York, Diabetes & Endocrinology Division, 2009
2nd USC Childhood Obesity Research Conference, Los Angeles, CA, 2009
Royal Academy of the Netherlands, Amsterdam, 2009
Annual American Peptide Conference, Bloomington, IN, 2009
New York University, Dept. of Medicine, Grand Rounds NYC, 2009
Gordon Conference on CNS Cannabinoid Function, Biddeford, ME, 2009
ETH Zurich, Institute of Animal Sciences, Switzerland, August 2009
Cornell University, Dept. of Medicine, NYC, October 2009
University of Colorado, Depts. of Medicine & Physiology, Denver, CO, 2009
Mt. Sinai Hospital, University of Toronto, Toronto, Canada, 2010
International Society for Neuroendocrinology, Rouen, France, 2010
American Diabetes Association, Orlando, FL, 2010
International Congress of Obesity (ICO), Stockholm, Sweden, 2010
The Obesity Society, San Diego, CA, 2010
Int. Foundation Obesity & Diabetes Conference, Athens, Greece, 2010
National Obesity Conference, Jackson, Mississippi, 2010
Northwestern University, Obesity Centre, Chicago, IL, 2010
University of Washington, Diabetes Seminar, Seattle, 2010
German Obesity and Diabetes Conference, DAG, Berlin, 2010
NIH/NIDDK, Leptin Resistance Workshop, Bethesda/Washington DC. 2011
The Ramanbhai Foundation, 4th Int. Symposium, Ahmedabad, India, 2011
International Bariatric Surgery Meeting, Brazil, 2011
International Obesity Conference “The Obese Species”, Sicily, 2011
Harvard Medical School, Childrens Hospital, Endocrine Grand Rounds, Boston 2011
Int. Foundation Obesity Conference: “ The Obese Species”, Sicily, Italy, 2011
European Society for Endocrinology (ESE), Zyprus, Greece, 2011
Int. Diabetes Foundation (IDF), Dubai, 2011
Harvard Medical School, Jocelyn Diabetes Centre, Boston 2011

International Congress of Endocrinology, Florence, 2012
Principles of Innate Immunity, Schloss Ellmau Conference, Austria, 2012

Selected Recent Publications (out of > 200, H-Factor 51):

Tschöp M, Strasburger CJ, Hartmann G, Biollaz J, Bartsch P. *Raised leptin concentrations at high altitude associated with loss of appetite.*
Lancet 1998;352(9134):1119-20. (IF 28)

Tschöp M, Smiley D, Heiman ML. *Ghrelin induces adiposity in rodents.*
Nature 2000;407(6806):908-13. (IF 31)

Tschöp M, Weyer C, Tataranni PA, Devanarayan V, Ravussin E, Heiman ML. *Circulating ghrelin levels are decreased in human obesity.*
Diabetes 2001;50(4):707-9. (IF 8)

Ravussin E, **Tschöp M**, Morales S, Bouchard C, Heiman ML. *Plasma ghrelin concentration and energy balance: overfeeding and negative energy balance studies in twins.*
J Clin Endocrinol Metab 2001;86(9):4547-51. (IF 6)

Horvath TL, Diano S, Heiman ML, **Tschöp M**. *Ghrelin and the regulation of energy balance: A hypothalamic perspective.*
Endocrinology 2001;142(10):4163-9. (IF 5)

Tschöp M, Statnick M, Suter T, Heiman ML. *Growth hormone-releasing peptide-2 (GHRP-2) increases fat mass in mice lacking neuropeptide Y (NPY): Indication for a crucial mediating role of hypothalamic Agouti-related protein (AGRP).*
Endocrinology 2002;143(2):558-68. (IF 5)

Wu Z, Bidlingmaier M, Liu C, De Souza EB, **Tschöp M**, Morrison KM, Strasburger CJ. *Quantification of the soluble leptin receptor in human blood by ligand-mediated immunofunctional assay.*
J Clin Endocrinol Metab 2002;87(6):2931-9. (IF 6)

Ukkola O, Ravussin E, Jacobson P1, Pérusse L, Rankinen T, **Tschöp M**, Heiman ML, Leon AS, Rao DC, Skinner J, Wilmore JH, Sjöström L, Bouchard C. *Role of ghrelin polymorphisms in obesity. Results from the Quebeck family study, heritage family study and Swedish obese subjects study.*
Obes Res 2002;10(8):782-91. (IF 5)

Tschöp M, Flora DB, Mayer JP, Heiman ML. *Hypophysectomy prevents ghrelin-induced adiposity and increases gastric ghrelin secretion in rats.*
Obesity 2002;10(10):991-9. (IF 5)

DelParigi A, **Tschöp M**, Heiman ML, Salbe A, Bunt J, Vozarova B, Sell SM, Tataranni PA. *High circulating ghrelin: a potential cause for hyperphagia and obesity in Prader-Willi Syndrome.*

J Clin Endocrinol Metab 2002;87(12):5461-4. (IF 6)

Pagotto U, Gambineri A, Vicennati V, Heiman ML, **Tschöp M**, Pasquali R. *Plasma ghrelin, obesity and the polycystic ovary syndrome: Correlation with insulin resistance and androgen levels.*

J Clin Endocrinol Metab 2002;87(12):5625-9. (IF 6)

Cowley MA, Smith RG, Diano S, **Tschöp M**, Pronchuk N, Grove KL, Strasburger CJ, Bidlingmaier M, Esterman M, Heiman ML, Garcia-Segura LM, Nillni EA, Mendez P, Low MJ, Sotonyi P, Friedman JM, Liu H, Pinto S, Colmers WF, Cone RD, Horvath TL. *The distribution and mechanism of action of ghrelin in the CNS demonstrates a novel hypothalamic circuit regulating energy homeostasis.*

Neuron 2003;37(4):649-61. (IF 13)

Cota D, Marsicano G, **Tschöp M**, Gruebler Y, Schubert M, Auer D, Thoene-Reinecke D, Ortmann S, Flachskamm C, Cervino C, Linthorst A, Pasquali R, Stalla GK, Lutz B, Pagotto U. *Peripheral and central mechanisms of action of the endocannabinoid system in energy balance regulation.*

J Clin Invest 2003;112(3):423-31. (IF 17)

Bunt JC, Salbe AD, **Tschöp M**, DelParigi A, Tataranni. PA *Relationship of Ghrelin with Anthropometry, Insulin, and Maternal Diabetes Status in Prepubertal Pima Indian children.*

J Clin Endocrinol Metab 2003;88(8):3756-61. (IF 6)

Pagotto U, Gambineri A, Pelusi C, Genghini S, Cacciari M, Otto B, Castaneda T, **Tschöp M**, Pasquali R. *Testosterone Replacement Therapy Restores Normal Ghrelin in Hypogonadal Men.*

J Clin Endocrinol Metab 2003;88(9):4139-43. (IF 6)

Meyer C, Korthaus K, Jagla W, Cornali E, Grosse J, Fuchs H, Klingenspor M, Roemheld S, **Tschöp M**, Heldmaier G, Hrabé de Angelis M, Nehls M. *A missense mutation in the GH gene causes semidominant dwarfism and obesity in the mouse.*

Endocrinology 2004;145(5):2531-41. (IF 5)

van der Lely AJ, **Tschöp M**, Heiman ML, Ghigo E. *Biological, Physiological, Pathophysiological and Pharmacological Aspects of Ghrelin.*

Endocr Rev 2004;25(3):426-57. (IF 20)

Salbe AD, **Tschöp M**, DelParigi A, Venti, C, Tataranni, PA. *Paradoxical negative relationship between fasting plasma ghrelin concentrations and ad libitum food intake.*

J Clin Endocrinol Metab 2004;89(6):2951-6. (IF 6)

Teff K, Kieffer TJ, D'Allessio D, **Tschöp M**, Heiman ML, Elliott S, Rader D, Townsend R, Keim NL, Havel PJ. *Consuming High-Fructose Beverages with Meals Fails to Suppress Ghrelin Secretion, Delays Postprandial Peaks of Glucose-Dependent Insulinotropic Polypeptide (GIP) and Prolongs Glucagon-Like Peptide-1 (GLP-1) Responses in Normal Weight Women.*

J Clin Endocrinol Metab 2004;89(6):2963-72. (IF 6)

Tang-Christensen M, Ortmann S, Bidlingmaier M, **Tschöp M**. *Ghrelin induces long lasting changes in physical activity and food intake.*

Endocrinology 2004;145(10):4645-52. (IF 5)

Tschöp M, Castañeda TR, Joost HG, Thöne-Reineke C, Klaus S, Hagan MM, Chandler PC, Oswald KD, Benoit SC, Seeley RJ, Kinzig KP, Moran T, Beck-Sickinger AG, Koglin N, Rodgers RJ, Blundell JE, Ishii Y, Beattie AH, Holch P, Allison DB, Ortmann S, Birringer M, Kreuzer O, Schindler M, Arndt K, Rudolf K, Mark M, Raun K, Madsen K, Wulff BS, Stidsen CE, Datta R, Halem H, Dong J, Taylor J, Culler M, Craney S, Flora D, Smiley D, Heiman ML. *Does gut hormone PYY(3-36) regulate food intake?*

Nature 2004;430(6996):165-67. (IF 31)

Helmling S, Maasch C, Eulberg D, Buchner K, Schraeder W, Lange C, Vonhoff S, Wlotzka B, **Tschöp M**, Rosewicz S, Klussmann S. *Inhibition of ghrelin action in vitro and in vivo by an RNA-Spiegelmer.*

Proc Natl Acad Sci U S A 2004;101(36):13174-9. (IF 9)

Proulx K, Cota D, Castañeda TR, Tso P, **Tschöp M**, Woods SC, Seeley RJ. *Mechanisms of oleoylethanolamide (OEA)-induced changes in feeding behavior and motor activity.*

Am J Physiol Regul Physiol 2005;289(3):R729-37. (IF 4)

Benoit S & **Tschöp M**. *How to monkey around with PYY.*

Am J Physiol Regul Physiol 2005;288(2):R358-9. (IF 4)

Nogueiras R & **Tschöp M**. *Separation of conjoint hormones yields appetite rivals.*

Science 2005;310(5750):985-6. (IF 30)

Juergens H, Haass W, Castaneda TR, Schuermann A, Dombrowski F, Spranger J, Ristow M, Nawrocki A, Scherer P, Joost HG, Havel PJ, **Tschöp M**. *Ad libitum consumption of fructose containing beverages increases body fat mass in mice.*

Obesity 2005;13(7):1146-56. (IF 3)

Spranger J, Verma S, Gohring I, Bobbert T, Seifert J, Sindler AL, Pfeiffer A, Hileman SM, **Tschöp M**, Banks WA. *Adiponectin does not cross the blood-brain barrier but modifies cytokine expression of brain endothelial cells.*

- Diabetes** 2006;55(1):141-7. (IF 8)
- Biebermann H, Castaneda TR, van Landeghem F, von Deimling A, Escher F, Brabant G, Hebebrand J, Hinney A, **Tschöp M**, Gruters A, Krude H. *A role for beta-melanocyte-stimulating hormone in human body-weight regulation.*
Cell Metab 2006;3(2):141-6. (IF 17)
- Diano S, Farr SA, Benoit SC, McNay EC, da Silva I, Horvath B, Gaskin FS, Nonaka N, Jaeger LB, Banks WA, Morley JE, Pinto S, Sherwin RS, Xu L, Yamada KA, Sleeman MW, **Tschöp M**, Horvath TL. *Ghrelin controls hippocampal spine synapse density and memory performance.*
Nat Neurosci 2006;9(3):381-8. (IF 14)
- Jürgens HS, Schürmann A, Kluge R, Ortmann S, Klaus S, Joost HG, **Tschöp M**. *Hyperphagia, lower body temperature, and reduced running wheel activity precede the development of morbid obesity in New Zealand Obese mice.*
Physiol Genom 2006;25(2):234-41. (IF 3)
- Perez-Tilve D, Stern JE, **Tschöp M**. *The brain and the metabolic syndrome: not a wireless connection.*
Endocrinology 2006;147(3):1136-9. (IF 5)
- Seeley R & **Tschöp M**. *How Diabetes went to our head.*
Nat Med 2006;12(1):47-9. (IF 28)
- Sanna B, Kaiser RA, Witt SA, Kimball TF, **Tschöp M**, Benoit SC, Molkentin JD. *Modulatory Calcineurin-Interacting Proteins 1 and 2 Function as Physiologic Activators of Calcineurin in vivo.*
Proc Natl Acad Sci U S A 2006;103(19):7327-32. (IF 9)
- Theander-Carrillo C, Wiedmer P, Cettour-Rose P, Szanto I, **Tschöp M**, Rohner-Jeanrenaud F. *Ghrelin action in the brain reveals CNS control of adipocyte metabolism.*
J Clin Invest 2006;116(7):1983-93. (IF 17)
- Abizaid A, Liu ZW, Andrews ZB, Elsworth J, Roth RH, Sleeman M, Mineur YS, Gao XB, Picciotto MR, **Tschöp M**, Horvath TL. *Ghrelin modulates the activity of midbrain reward circuitry: implications for feeding and drug abuse.*
J Clin Invest 2006;116(12):3229-39. (IF 17)
- Tschöp M**, Castaneda TR, Woods SC. *The brain is getting ready for dinner.*
Cell Metab 2006;4(4):257-8. (IF 17)
- Tschöp M**, Thomas G. *Fat fuels insulin resistance through Toll-like receptors.*
Nat Med 2006;12(12):1359-61. (IF 27)

Pfluger P, Kampe J, Castañeda TR, Vahl T, D'Alessio D, Kruthaupt T, Benoit SC, Cuntz U, Rochlitz HJ, Moehlig M, Pfeiffer AFH, Koebnitz C, Wagner X, Otto B, Spranger J, **Tschöp M**. *Effect of human body weight changes on circulating levels of peptide YY*.

J Clin Endocrinol Metab 2007;92(2):583-8. (IF 6)

Nogueiras R, Pfluger P, Tovar S, Myrtha A, Mitchell S, Perez-Tilve D, Vázquez MJ, Wiedmer P, Castañeda TR, DiMarchi R, **Tschöp M**, Schurmann A, Joost HG, Williams LM, Langhans W, Dieguez C. *Effects of obestatin on energy balance and growth hormone secretion in rodents*.

Endocrinology 2007;148(1):21-6. (IF 5)

Tschöp M, Hui DY, Horvath TL. *Diet induced obesity and leptin resistance: The heart of the matter*.

Endocrinology 2007;148(3):921-3. (IF 5)

Jürgens H, Schmolz K, Neschen S, Ortmann S, Blüher M, Klaus S, **Tschöp M**, Joost HG, Schürmann A. *Development of diabetes in obese mice requires dietary carbohydrates: Evidence for an essential role of glucose toxicity in β -cell destruction*.

Diabetologia 2007;50(7):1481-9. (IF 6)

Inge T, Rose S, Burget L, Pfluger P, **Tschöp M**. *Gastric Bypass for Hypothalamic Obesity in a Teenager: A case report*.

Nat Rev Endocrinol 2007;3(8):606-9. (IF 7)

Sakkou M, Wiedmer P, Anlag K, Hamm A, Seuntjens E, Ettwiller L, **Tschöp M**, Treier M. *A role for brain-specific homeobox factor Bsx in the control of hyperphagia and locomotory behavior*.

Cell Metab 2007;5(6):450-63. (IF 17)

Wortley K, Anderson KD, Murphy A, Herman JP, **Tschöp M**, Yancopoulos GD, SJ, Sleeman MW. *Peptide YY controls bone metabolism*.

Gastroenterology 2007;133(5):1534-43. (IF 13)

Nomiyama T, Perez-Tilve D, Ogawa D, Gizard F, Zhao Y, Heywood EB, Jones KL, **Tschöp M**, Bruemmer D. *Osteopontin links Obesity with Adipose Tissue Macrophage Infiltration and Insulin Resistance*.

J Clin Invest 2007;117(10):2877-88. (IF 17)

Nogueiras R, Perez-Tilve D, Wiedmer P, Pfluger P, Castaneda S, Neschen S, Benoit SC, Hofmann SM, Hammond C, Schurmann S, Joost HG, Hui DY, Woods S, Rahmouni K, Butler AA, Farooqi S, O'Rahilly S, Rohner-Jeanrenaud F, **Tschöp M**. *The central nervous melanocortin system directly controls triglyceride metabolism*.

J Clin Invest 2007;117(11):3475-88. (IF 17)

Wiedmer P, Nogueiras R, D'Alessio D, Broglio F, **Tschöp M**. *Ghrelin, Obesity and Diabetes*.

Nat Rev Endocrinol 2007;3(10):705-12. (IF 7)

Tschöp M, Ravussin E. *Peptide YY: Obesity's cause and cure?*

Am J Physiol Endocrinol Metab 2007;293(5):E1131-3. (IF 4)

Joost HG, **Tschöp M**. *NO to obesity: Does nitric oxide link fat oxidation with insulin resistance?*

Endocrinology 2007;148(10):4545-7. (IF 5)

Pfluger PT, Kirchner H, Gunnel S, Schrott B, Perez-Tilve D, Fu S, Benoit SC, Horvath T, Joost HG, Wortley KE, Sleeman MW, **Tschöp M**. *Simultaneous deletion of ghrelin and its receptor increases motor activity and energy expenditure*.

Am J Physiol Gastrointest Physiol 2008;294(3):G610-8. (IF 4)

Hofmann SM, Chou L, Perez-Tilve D, Basford J, Grant E, Pfluger P, Hertz J, **Tschöp M**, Hui DY. *Fat tissue specific ablation of low-density lipoprotein receptor-1 (LRP-1) decreases adiposity*.

J Clin Invest 2007;117(11):3271-82. (IF 17)

Hofmann SM, Perez-Tilve D, Greer T, Coburn B, Basford J, **Tschöp M**, Hui DY. *Defective lipid delivery modulates insulin responsiveness and metabolic responses to diet in apoE-deficient mice*.

Diabetes 2008;57(1):5-12. (IF 8)

Nogueiras R, Lopez M, Sakkou M, Gao Q, Perez-Tilve D, Pfluger P, Wiedmer P, Horvath T, Treier M, Dieguez C, **Tschöp M**. *Expression of Homeobox Factor Bsx, a Novel Molecular Link Between Hypothalamic Controls of Feeding and Spontaneous Physical Activity, is Regulated by Energy Availability*.

Endocrinology 2008;149(6):3009-15. (IF 5)

Reed JA, Benoit SC, Pfluger P, **Tschöp M**, D'Alessio D, Seeley RJ. *Mice with chronically increased circulating ghrelin develop age-related glucose intolerance*.

Am J Physiol Endocrinol Metab 2008;294(4):E752-60. (IF 4)

López M, Saha AK, Lage R, Pérez-Tilve D, Vázquez MJ, Varela L, Tovar S, Rodríguez-Cuenca S, Deoliveir RM, Sangiao-Alvarellos S, Castañeda TR, Datta R, Dong JC, Culler M, Sleeman MW, Gallego R, Lelliott CJ, **Tschöp M**, Diéguez C, Vidal-Puig A. *Hypothalamic fatty acid metabolism mediates the orexigenic action of ghrelin*.

Cell Metab 2008;7(5):389-399. (IF 17)

Strassburg S, Anker SD, Castaneda TR, Burget L, Perez-Tilve D, Pfluger PT,

Nogueiras R, Halem H, Dong JZ, Culler MD, Datta R, **Tschöp M**. *Long-term effects of ghrelin and ghrelin receptor agonists on energy balance in rats.*
Am J Physiol Endocrinol Metab 2008;295(1):E78-84. (IF 4)

Tong J, Pfluger PT, **Tschöp M**. *Gastric O-acyl transferase activates hunger signal to the brain.*
Proc Natl Acad Sci U S A 2008;105(17):6213-4. (IF 9)

Isken F, Pfeiffer AF, Nogueiras R, Osterhoff MA, Ristow M, Thorens B, **Tschöp M**, Weickert MO. *Deficiency of glucose-dependent insulinotropic polypeptide receptor prevents ovariectomy-induced obesity in mice.*
Am J Physiol Endocrinol Metab 2008;295(2):E350-5. (IF 4)

Caton SJ, Yinglong B, Burget L, Spangler LJ, **Tschöp M**, Bidlingmaier M. *Low-carbohydrate high-fat diets: effects on body composition, GH-IGF-I axis and body weight regain in rats.*
Obesity 2009;17(2):283-9. (IF 3)

Tschöp M. *There will be fat.*
Nat Med 2008;14(8):807. (IF 28)

Perez-Tilve D, D'Alessio DA, **Tschöp M**. *A sweet spot for the bariatric surgeon.*
Cell Metab 2008;8(3):177-9. (IF 17)

Nogueiras R, Veyrat-Durebex C, Suchanek PM, Klein M, Tschöp J, Caldwell C, Woods SC, Wittmann G, Watanabe M, Liposits Z, Fekete C, Reizes O, Rohner-Jeanrenaud F, **Tschöp M**. *Peripheral, but not central, CB1 antagonism provides food intake independent metabolic benefits in diet-induced obese rats.*
Diabetes 2008;57(11):2977-91. (IF 9)

Andrews ZB, Liu ZW, Wallingford N, Erion DM, Borok E, Friedman JM, **Tschöp M**, Shanabrough M, Cline G, Shulman GI, Coppola A, Gao XB, Horvath TL, Diano S. *UCP2 mediates ghrelin's action on NPY/AgRP neurons by lowering free radicals.*
Nature 2008;454(7206):846-51. (IF 31)

Pfluger PT, Herranz D, Velasco-Miguel S, Serrano M, **Tschöp M**. *Sirt1 protects against high-fat diet-induced metabolic damage.*
Proc Natl Acad Sci U S A 2008;105(28):9793-8. (IF 9)

Sutton G, Perez-Tilve D, Nogueiras R, Fang J, Kim J, Cone R, Gimble J, **Tschöp M**, Butler AA. *The melanocortin-3 receptor is required for entrainment to meal intake.*
J Neurosci 2008;28(48):12946-55. (IF 8)

Lockie SH, Muller T, **Tschöp M**. *Coupled with Uncouplers: The Curious Case of*

Lifespan.

Am J Physiol Endocrinol Metab 2009; 296(4):E621-7. (IF 4)

Nogueiras R, Pérez-Tilve D, Veyrat-Durebex C, Morgan DA, Varela L, Haynes WG, Patterson JT, Disse E, Pfluger PT, López M, Woods SC, DiMarchi R, Diéguez C, Rahmouni K, Rohner-Jeanrenaud F, **Tschöp M**. *Direct control of peripheral lipid deposition by CNS GLP-1 receptor signaling is mediated by the sympathetic nervous system and blunted in diet induced obesity.*

J Neurosci 2009;29(18):5916-25. (IF 8)

Hugenholtz P, Karp C, **Tschöp M**. *Florid obesity: a dip into the gene pool of the microbiome.*

Nat Biotechnol 2009;27(4):344-6. (IF 29)

Hofmann SM & **Tschöp M**. *Dietary Sugars: A fat difference.*

J Clin Invest 2009;119(5):1089-92. (IF 17)

Tschöp J, Kasten K, Guancia K, Nogueiras R, **Tschöp M**, Caldwell C. *The cannabinoid receptor 2 is critical for the host response to sepsis.*

J Immunol 2009;183(1):499-505. (IF 7)

Kampe J, **Tschöp M**, Hollis JH, Oldfield BJ. *An anatomic basis for the communication of hypothalamic, cortical and mesolimbic circuitry in the regulation of energy balance.*

Eur J Neurosci 2009;30(3):415-30. (IF 4)

Isken F, Weickert MO, **Tschöp M**, Nogueiras R, Abdelrahman A, Klaus S, Thorens B, Pfeiffer A. *Metabolic effects of diets differing in glycaemic index are influenced by age and GIP receptor deficiency.*

Diabetologia 2009;52(10):2159-68. (IF 6)

Kirchner H., Gutierrez J, Pfluger PT, Morgan TA, Solenberg P, Willency J, Schuermann A, Joost HG, Jandacek R, Hale J, Heiman ML, **Tschöp M**. *GOAT links dietary lipids with the endocrine control of energy balance.*

Nat Med 2009;15(7):741-5. (IF 27)

Day JW, Ottaway N, Patterson JT, Gelfanov V, Smiley D, Gidda J, Findeisen H, Bruemmer D, Drucker DJ, Chaudhary N, Holland J, Hembree J, Abplanalp W, Grant E, Ruehl J, Wilson H, Kirchner H, Lockie SH, Hofmann S, Woods SC, Nogueiras R, Pfluger PT, Perez-Tilve D, DiMarchi R and **Tschöp M**. *A new glucagon and GLP-1 co-agonist eliminates obesity in rodents.*

Nat Chem Biol 2009;5(10):749-57. (IF 17)

Costanzo D., Pfluger PT, Dougherty M, Stock JL, Boehm M, Chaika O, Fernandez M, Fisher K, Kortum RL, Hong EG, Schreiner A, Volle DJ, Treece T, Smift AL, Winer M, Chen D, Wu M, Shaw AS, McNeish J, Kim JK, Morrison DK,

Tschöp M, Lewis RE. *The Molecular Scaffold KSR2 Regulates AMPK Signaling to Control Energy, Lipid and Glucose Metabolism.*
Cell Metab 2009;10(5):366-78. (IF 17)

Andrews Z, Diano S, Gao Z, Shanabrough M, **Tschöp M**, DiMarchi R, Elmquist J, Horvath T. *Ghrelin promotes nigrostriatal dopamine function and protects it in a redox-dependent manner.*
J Neurosci 2009;29(45):14057-65. (IF 8)

Sutton GM, Begriche K, Kumar KG, Gimble JM, Perez-Tilve D, Nogueiras R, McMillan RP, Hulver MW, **Tschöp M**, Butler AA. *Central nervous system melanocortin-3 receptors are required for synchronizing metabolism during entrainment to restricted feeding during the light cycle.*
FASEB J 2010;24(3):862-72 . (IF 7)

Czyzyk TA, Nogueiras R, Lockwood J, McKinzi JH, Pintar JE, Hammond C, **Tschöp M**, Statnick MA. *Resistance to diet-induced obesity and increased energy expenditure following genetic ablation of kappa opioid receptors in mice.*
FASEB J 2010;24(4):1151-9. (IF 7)

Lee SJ, Pfluger PT, Kim JY, Nogueiras R, **Tschöp M**, Diaz-Meco MT, Moscat J. *A functional role for the p62 – Erk1 axis in the control of energy homeostasis and adipocyte proliferation.*
EMBO Reports 2010;11(3):226-32. (IF 8)

Castañeda TR, Tong J, Datta R, Culler M, **Tschöp M**. *Ghrelin in the regulation of body weight and metabolism.*
Front Neuroendocrinol 2010;31(1):44-60. (IF 9)

Wood MA, Pérez-Tilve D, Chambers A, Wilson-Pérez HE, Sandoval DA, Berger J, Toure M, **Tschöp M**, Woods SC, Seeley RJ. *Sleeve gastrectomy in rats temporarily affects food intake, but chronically improves metabolic substrate choice and adiposity.*
Gastroenterology 2010;138(7):2426-36. (IF 13)

Tong J, Aulinger BA, Davis H, Yang Q, Gaylann BD, Thorner MO, **Tschöp M**, D'Alessio DD, Tso P. *The Intestinal Lymph Fistula Model*
Am J Physiol Gastrointest Physiol 2010;298(3):G474-80. (IF 4)

Kirchner H, Tong J, **Tschöp M**, Pfluger PT. *Ghrelin and PYY in the regulation of Energy Balance and Metabolism: Lessons from Mouse Mutants.*
Am J Physiol Endocrinol Metab 2010;298(5):E909-19. (IF 4)

Perez-Tilve D, González-Matías LC, Aulinger BA, Alvarez-Crespo M, Gil-Lozano M, Alvarez E, Andrade MA, **Tschöp M**, D'Alessio D, Mallo F. *Exendin-4 acutely increases blood glucose in rats via the autonomic nervous system.*

Am J Physiol Endocrinol Metab 2010;298(5):E1088-9. (IF 4)

Labonté ED, Pfluger PT, Kuhel DG, Rojas JC, Magness DP, Jandacek RC, **Tschöp M**, Hui DY. *Postprandial Lysophospholipid Suppresses Hepatic Fatty Acid Oxidation: The Molecular Link between Group 1B Phospholipase A2 and Diet-induced Obesity.*

FASEB J 2010;24(7):2516-24. (IF 7)

Strasburg S, Pfluger PT, Chaudhary N, Tso P, **Tschöp M**, Anker SD, Nogueiras R, Perez Tilve D. *Action profile of the anti-obesity drug candidate oleoyl estrone in rats.*

Obesity 2010;18(12):2260-7. (IF 3)

Tschöp J, Nogueiras R, Lockie S, Kasten K, Castañeda TR, Huber N, Guanciale K, Perez-Tilve D, Woods SC, Oldfield B, Clarke I, Chua S. Jr, Farooqi IS, O'Rahilly S, Caldwell CC, **Tschöp M**. *CNS leptin action modulates immune response and survival in sepsis.*

J Neurosci 2010;30(17):6036-47. (IF 8)

Lee SJ, Young J, Nogueiras R, Linares J, Perez-Tilve D, Drew A, Leitges M, **Tschöp M**, Diaz-Meco MT, Moscat J. *PKC ζ controls hematopoiesis independent inflammation critical for obesity-induced glucose intolerance.*

Cell Metab 2010;12(1):65-77. (IF 17)

Perez-Tilve D, Hofmann S, Basford J, Pfluger PT, Patterson PT, Grant E, Perez-Wilson H, Granholm N, Arnold M, Trevaskis JL, Butler AA, Davidson WS, Woods SC, Benoit SC, Sleeman MW, DiMarchi RD, Hui DY, **Tschöp M**. *The CNS melanocortin system directly controls circulating cholesterol.*

Nat Neurosci 2010;13(7):877-82. (IF 14)

Tong J, Prigeon RL, Davis HW, Bidlingmaier M, Kahn SE, Cummings DE, **Tschöp MH**, D'Alessio D. *Ghrelin Suppresses Glucose-stimulated Insulin Secretion and Deteriorates Glucose Tolerance in Healthy Humans.*

Diabetes 2010;59(9):2145-51. (IF 9)

Horvath TL, Perez-Tilve D, Pfluger PT, Broennecke HS, Levin B, Cowley MA, Diano S, **Tschöp M**. *Synaptic Input Organization of the Melanocortin System Predicts Diet-Induced Hypothalamic Reactive Gliosis and Obesity.*

Proc Natl Acad Sci U S A 2010;107(33):14875-80. (IF 9)

Patterson JT, Gelfanov VM, Ottaway N, Holland J, JHembree J, Perez-Tilve D, Pfluger PT, Smiley DL, **Tschöp M**, DiMarchi R. *A Humanized GLP-1 Receptor Antagonist.*

ACS Chem Biol 2011;6(2):135-145. (IF 5)

Habegger K, Pfluger P, Perez-Tilve D, Geary N, Bartness T, DiMarchi R &

Tschöp M. *Glucagon agonism as a therapeutic strategy in metabolic disease.*
Nature Rev Endocrinol 2010;6(12):689-97. (IF 7)

Shin YK, Martin B, Kim W, White CM, Ji S, **Tschöp M**, Sun Y, Smith RG, Sévigny J, Maudsley S, Egan JM. *Ghrelin is produced in taste cells and ghrelin receptor null mice show reduced taste responsivity to salty (NaCl) and sour (citric acid) tastants.*
PLOS One 2010;5(9):e12729. (IF 4)

Müller TD, **Tschöp M**, Jarick I, Ehrlich SS, Scherag S, Herpertz-Dahlmann BB, Zipfel S, Herzog WW, de Zwaan M, Burghardt R, Fleischhaker C, Klampf K, Wewetzer C, Herpertz S, Zeeckl A, Tagay S, Burgmer M, Pfluger PT, Scherag AA, Hebebrand J, Hinney A. *Genetic Variation Of The Ghrelin Activator Gene Ghrelinoyltransferase (GOAT) Is Associated With Anorexia Nervosa.*
J Psych Res 2010;45(5): 706-11. (IF 4)

Bielohuby M, Menhofer D, Kirchner K, Stoehr BJM, Müller TD, Stock P, Hempel M, Stemmer K, Pfluger PT, Kienzle E, Christ B, **Tschöp M**, Bidlingmaier M. *Induction of ketosis in rats fed low-carbohydrate, high fat diets depends on the relative abundance of dietary fat and protein.*
Am J Physiol Endocrinol Metab 2011;300(1):E65-76. (IF 4)

Barnett BP, Hwang Y, Taylor M, Kirchner H, Pfluger PT, Bernard V, Lin Y, Erin M. Bowers EM, Mukherjee C, Song WJ, Longo PA, Leahy DJ, Hussain MA, **Tschöp M**, Boeke JD, Cole PA. *Glucose and Weight Control in Mice with a Designed Ghrelin O-Acyltransferase Inhibitor.*
Science 2010;330(6011):1689-92. (IF 30)

Castañeda TR, Nogueiras R, Müller TD, R. Krishna R, Grant E, Jones A, N. Ottaway, Anantakrishna G, Pfluger PT, Chaudhary N, Solomon MB, Woods SC, Herman JP, **Tschöp M**. *Decreased glucose tolerance and plasma adiponectin/resistin ratio in a mouse model of post-traumatic stress disorder (PTSD).*
Diabetologia 2010; 54(4):900-9. (IF 7)

Yi CX, Kalsbeek A, **Tschöp M**. *Autonomic MC sets the metabolic tone.*
Cell Metab 2011;13(2):121-3. (IF 17)

Tong J, Mannea E, Aime P, Pfluger P, Castaneda T, de Araujo I, Ren X, Davis H, Lee J, Benoit S, Pixley S, Heiman M, Julliard K, Horvath TL, Sleeman MM, D'Alessio DD, Obici S, Frank R, **Tschöp M**. *Ghrelin Enhances Exploratory Sniffing in Rodents and Humans.*
J Neurosci 2011;31(15):5841-5846. (IF 7)

Perez-Tilve D, Heppner K, Kirchner H, Lockie-Haas S, Smiley D, Woods SC, **Tschöp M**, Pfluger P. *Ghrelin induced adiposity is independent of orexigenic effects.*

FASEB J 2011;25(8): 2814-22. (IF 7)

Rudovich NN, Nikiforova VJ, Otto B, Pivovarov O, Gögebakan O, Erban A, Möhlig M, Weickert MO, Spranger J, **Tschöp MH**, Willmitzer L, Nauck MA, Pfeiffer AF. *Metabolomic linkage unveils functional interaction between Glucose-dependent Insulinotropic Peptide (GIP) and Ghrelin in Humans.*

Am J Physiol Endocrinol Metab 2011;301(4):E608-17. (IF 4)

Krawczewski Carhuatanta KA, Demuro G, **Tschöp MH**, Pfluger PT, Benoit SC, Obici S. *Voluntary Exercise Improves High-Fat Diet-Induced Leptin Resistance Independent of Adiposity.*

Endocrinology 2011;152(7):2655-64. (IF 5)

Pfluger PT, Castañeda TR, Heppner KM, Strassburg S, Kruthaupt T, Chaudhary N, Halem H, Culler MD, Datta R, Burget L, **Tschöp MH**, Nogueiras R, Perez-Tilve D. *Ghrelin, peptide YY and their hypothalamic targets differentially regulate spontaneous physical activity.*

Physiol Behav 2011;105(1): 52-61. (IF 4)

Yi CX, **Tschöp M**. *CNS control of systemic metabolism in health and disease.*
Nat Med (invited mini review, in press, online only) (IF 27)

Yi CX, Scherer T, **Tschöp M**. *Cajal Revisited: Is the VMH Making Us Fat?*
Nat Neurosci 2011;14(7):806-8. (IF 14)

Perez-Tilve D, Davidson WS, **Tschöp M**, Hofmann SM. *CNS regulation of plasma cholesterol.*

Ann Med Epub 2011 Jul 4. (IF 4)

Perez-Tilve D, Habbeger KM, **Tschöp MH**, Hofmann SM. *Neural regulation of cholesterol metabolism.*

Curr Opin Lipidol 2011;22(4):283-7. (IF 7)

Tschöp M, Speakman J, Almind K, Auwerx J, Brüning JC, Chambon J, Chan L, Eckel R, Farese RV jr., Galgani J, Herman MA, Horvath TL, Kahn BB, Kozma SC, Maratos-Flier E, Mueller T, Muenzberg H, Neel B, Pfluger PT, Plum L, Reitman M, Rahmouni K, Saha P, Shulman G, Thomas G, Zhang B, Kahn CR, Ravussin E. *A Guide to Analysis of Mouse Energy Metabolism.*

Nat Methods 2011;9(1):57-63. (IF 17)

Haas-Lockie S, Czyzyk TA, Chaudhary N, Perez-Tilve D, Woods SC, Oldfield BJ, Statnick MA, **Tschöp M**. *CNS opioid signalling separates CB1 mediated effects on body weight and mood.*

Endocrinology 2011;152(10):3661-7. (IF 5)

Seeley RJ & **Tschöp M**. *Uroguanylin: how the gut got another satiety hormone.*

J Clin Invest 2011;121(9):3384-6. (IF 14)

Mueller TD, Sullivan L, Habegger K, Yi CC, Kabra D, Grant E, Ottaway N, Krishna R, Holland J, Hembree J, Perez-Tilve D, Pfluger PT, DeGuzman MJ, Siladi ME, Kraynov VS, DiMarchi R, Axelrod D, Pinkstaff J, **Tschöp M**. *Treatment with Fibroblast Growth Factor 21 or Exendin 4 rescues leptin sensitivity in diet induced obese mice.*

J Pept Sci (in press) (IF 7)

Bajzer M, Olivieri M, Haas MK, Pfluger PT, Magrisso IJ, Foster MT, **Tschöp MH**, Krawczewski-Carhuatanta KA, Cota D, Obici S. *Cannabinoid receptor 1 (CB1) antagonism enhances glucose utilisation and activates brown adipose tissue in diet-induced obese mice.*

Diabetologia 2011;54(12):3121-31. (IF 7)

Bielohuby M, Stemmer K, Berger J, Ramisch J, Smith K, Holland J, Parks K, Pfluger PT, Habegger KM, **Tschöp MH**, Seeley RJ, Bidlingmaier M. *Carbohydrate content of post-operative diet influences the effect of vertical sleeve gastrectomy on body weight reduction in obese rats.*

Obes Surg 2012;22(1):140-51. (IF 3)

Yi CX, Foppen E, Abplanalp W, Gao Y, Alkemade A, la Fleur SE, Serlie MJ, Fliers E, Buijs RM, **Tschöp MH**, Kalsbeek A. *Glucocorticoid signaling in the arcuate nucleus modulates hepatic insulin sensitivity.*

Diabetes 2012;61(2):339-45. (IF 8)

Myers MG Jr, Heymsfield SB, Haft C, Kahn BB, Laughlin M, Leibel RL, **Tschöp MH**, Yanovski JA. *Challenges and opportunities of defining clinical leptin resistance.*

Cell Metab 2012;15(2):150-6. (IF 17)

Thaler JP, Yi CX, Guyenet S, Hwang B, Zhao X, Sarruf D, Nguyen HT, Fisher JD, Wisse BE, Morton G, Horvath T, Baskin D, **Tschöp MH**, Schwartz MW. *High-Fat Diet Rapidly Induces Hypothalamic Neuronal Injury.*

J Clin Invest 2012;122(1):153-62. (IF 14)

Wiedmer P, Chaudhary N, Rath M, Yi CX, Ananthakrishnan G, Nogueiras R, Wirth EK, Kirchner H, Schweizer U, Jonas W, Veyrat-Durebex C, Rohner-Jeanrenaud F, Schürmann A, Joost HG, **Tschöp MH**, Perez-Tilve D. *The HPA axis modulates the CNS melanocortin control of liver triacylglyceride metabolism.*

Physiol Behav 2012;105(3):791-9. (IF 4)

Rediger A, Piechowski CL, Yi CX, Tarnow P, Schöneberg T, Strotmann R, Grüters A, **Tschöp MH**, Krude H, Kleinau G, Biebermann H. *Mutually opposite signaling modulation by heterodimerization of ghrelin- and melanocortin-3 receptors.*

J Biol Chem J Biol Chem. 2011;286(45):39623-31. (IF 5)

Rediger A, Piechowski CL, Habegger K, Grüters A, Krude H, **Tschöp MH**, Kleinau G, Biebermann H. *MC4R Dimerization in the Paraventricular Nucleus and GHSR/MC3R Heterodimerization in the Arcuate Nucleus: Is There Relevance for Body Weight Regulation.*

Neuroendocrinology Epub 2012 Feb 8. (IF 5)

Caton SJ, Bielohuby M, Bai Y, Spangler LJ, Burget L, Pfluger P, Reinell C, Czisch M, Reincke M, Obici S, Kienzle E, **Tschöp MH**, Bidlingmaier M. *Low-carbohydrate high-fat diets in combination with daily exercise in rats: Effects on body weight regulation, body composition and exercise capacity.*

Physiol Behav 2012;106(2):185-92. (IF 4)

Yi CX, Heppner KM, Kirchner H, Tong J, Bielohuby M, Gaylinn BD, Müller TD, Bartley E, Davis HW, Zhao Y, Joseph A, Kruthaupt T, Ottaway N, Kabra D, Habegger KM, Benoit SC, Bidlingmaier M, Thorner MO, Perez-Tilve D, **Tschöp MH**, Pfluger PT. *The GOAT-Ghrelin System Is Not Essential for Hypoglycemia Prevention during Prolonged Calorie Restriction.*

PLoS One 2012;7(2):e32100. (IF 4)

Yi CX, **Tschöp MH**, Woods SC, Hofmann SM. *High-fat-diet exposure induces IgG accumulation in hypothalamic microglia.*

Dis Model Mech Epub 2012 Mar 15. (IF 5)

Castañeda TR, Abplanalp W, Um SH, Pfluger PT, Schrott B, Brown K, Grant E, Carnevalli L, Benoit SC, Morgan DA, Gilham D, Hui DY, Rahmouni K, Thomas G, Kozma SC, Clegg DJ, **Tschöp MH**. *Metabolic control by s6 kinases depends on dietary lipids.*

PLoS One 2012;7(3):e32631. (IF 4)

Stemmer K, Perez-Tilve D, Ananthakrishnan G, Bort A, Seeley RJ, **Tschöp MH**, Dietrich DR, Pfluger PT. *High-fat-diet-induced obesity causes an inflammatory and tumor-promoting microenvironment in the rat kidney.*

Dis Model Mech Epub 2012 Mar 15. (IF 5)

Davis JF, Schurdak JD, Magrisso IJ, Mul JD, Grayson BE, Pfluger PT, **Tschöp MH**, Seeley RJ, Benoit SC. *Gastric Bypass Surgery Attenuates Ethanol Consumption in Ethanol-Preferring Rats.*

Biol Psychiatry Epub 2012 Mar 21. (IF 9)

Nogueiras R, Habegger KM, Chaudhary N, Finan B, Banks AS, Dietrich MO, Horvath TL, Sinclair DA, Pfluger PT, **Tschöp M**. *Sirtuin 1 and Sirtuin 3: Physiological modulators of Metabolism.*

Physiol Rev (in press) (IF 28)

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