

Prof. Michael J. Pankratz, PhD

Life and Medical Sciences Institute (LIMES)



Rheinische Friedrich-Wilhelms-Universität Bonn

Life and Medical Sciences Institute (LIMES),
Department of Molecular Brain Physiology and Behavior,
Director

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Research Expertise

Prof. Pankratz is an expert on the genetics of nutrient control, feeding behavior, gustation and neuroendocrine circuits in drosophila.

Education / Training

University of California, Los Angeles USA, Biochemistry PhD, 1986

Johns Hopkins University, USA, Biology BA, 1980

Appointments / Positions Held

2008 - present

Full Professorship, Molecular Brain Physiology,
University of Bonn

2001 - 2007

Senior Group Leader, Genetics, Karlsruhe,
Institute of Technology

2001

Habilitation, Genetics, Karlsruhe University

1997 - 2001

Group Leader, Institute of Genetics, Karlsruhe,
Institute of Technology

1993 - 1997

Staff Scientist, Institute of Biophysical Chemistry,
Max Planck Institute

1988 - 1992

Postdoctoral Fellow, Institute for Genetics and Microbiology,
University of Munich

1987 - 1988

Postdoctoral Fellow, Institute for Developmental Biology,
Max Planck Institute

Honors / Awards

2003 - 2005

Member of the Scientific Advisory Board "Network of Molecular
Nutrition Research", State of Baden-Württemberg, Germany

2000 - 2001

Consultant for Aventis

10 Most Relevant Publications for Prof. Michael Pankratz

- Hückesfeld S, Schoofs A, Schlegel P, Miroshnikow A, **Pankratz MJ**. Localization of Motor Neurons and Central Pattern Generators for Motor Patterns Underlying Feeding Behavior in Drosophila Larvae. PLoS One 2015 Aug 7;10(8):e0135011.
- Alekseyenko OV, Chan YB, Fernandez Mde L, Bülow T, **Pankratz MJ**, Kravitz EA. Single serotonergic neurons that modulate aggression in Drosophila. Curr Biol 2014 Nov 17;24(22):2700-7.
- Schoofs A, Hückesfeld S, Schlegel P, Miroshnikow A, Peters M, Zeymer M, Spieß R, Chiang AS, **Pankratz MJ**. 2014. Selection of motor programs for suppressing food intake and inducing locomotion in the Drosophila brain. PLoS Biol, in press.
- Bader R, Sarraf-Zadeh L, Peters M, Moderau N, Stocker H, Köhler K, **Pankratz MJ***, Hafen E. 2013. The IGFBP7 homolog Imp-L2 promotes insulin signaling in distinct neurons of the Drosophila brain. J Cell Science 126, 2571-2576.
- Bülow M, Aebersold R, **Pankratz MJ***, Jünger M. 2010. The Drosophila FoxA Ortholog Fork Head Regulates Growth and Gene Expression Downstream of Target of Rapamycin. PLoS One 5(12): e15171.
- Min KJ, Yamamoto R, Buch S, **Pankratz MJ**, Tatar M. 2008. Drosophila lifespan control by dietary restriction independent of insulin-like signaling. Aging Cell 7: 199-206.
- Buch S, Melcher C, Bauer M, Katzenberger J, **Pankratz MJ**. 2008. Opposing effects of dietary protein and sugar regulate a transcriptional target of Drosophila insulin-like peptide signaling. Cell Metab 7: 321-32.
- Melcher C, Bader R, **Pankratz MJ**. 2007. Amino acids, taste circuits, and feeding behavior in Drosophila: towards understanding the psychology of feeding in flies and man. J Endocrinol 192: 467-72.
- Bader R, Colomb J, Pankratz B, Schrock A, Stocker RF, **Pankratz MJ**. 2007. Genetic dissection of neural circuit anatomy underlying feeding behavior in Drosophila: distinct classes of hugin-expressing neurons. J Comp Neurol 502: 848-56.
- Melcher C, Bader R, Walther S, Simakov O, **Pankratz MJ**. 2006. Neuromedin U and its putative Drosophila homolog hugin. PLoS Biol 4: e68.

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