


Christian Rosenmund

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Homepage:

Research Areas:

E Developmental Disturbances

F Plasticity

Curriculum vitae
Prof. Dr. rer.nat. Christian Rosenmund (*1965)

since 2009	Faculty Position NeuroCure, Professor of Neurobiology, Charité - Universitätsmedizin Berlin
2003-2008	Associate Professor, Department of Molecular and Human Genetics and Department of Neuroscience (joint primary appointment), Baylor College of Medicine (BCM), Houston, TX USA
2005-present	Associate Professor, Department of Molecular and Human Genetics and Department of Neuroscience (joint primary appointment), Baylor College of Medicine (BCM), Houston, TX USA Director, Mouse Synaptic Plasticity Core, Mental Retardation Research Center at Baylor College of Medicine, Houston, TX
2005-present	Faculty, Translational Biology and Molecular Medicine Program, Baylor College of Medicine, Houston, TX
2008-present	Full Professor, Department of Molecular and Human Genetics and Department of Neuroscience (joint primary appointment), Baylor College of Medicine (BCM), Houston, TX USA
1999-2004	Lecturer in Physiology, Georg-Augusta Universität Göttingen, Germany
1998-2003	Principal Investigator and Heisenberg Fellow, Department of Membrane Biophysics, Max Planck Institute for Biophysical Chemistry, Göttingen, Germany

Research Fields
Activities in the scientific community, honors, awards

1989-1990	Vollum Neuroscience Program Fellowship
1991-1992	Tartar Trust Fellowship
1993-1995	Howard Hughes Research Fellowship
1995-1997	Helmholtz Stipend
1999-2003	Heisenberg Stipend

Selected Publications

Weston, M, Gertler, C., Mayer, M.L. and Rosenmund, C. (2006) Interdomain interactions in AMPA and kainate receptors regulate affinity for glutamate. *J. Neurosci.* 26(29):7650-8.

Basu, J., Betz, A., Brose, N., and Rosenmund, C. (2007) Munc13-1 C1 domain activation lowers the energy barrier for synaptic vesicle fusion. *J. Neurosci.* 27, 1200-1210.

Xue, M., Reim, K., Chen, Deng, H., Chao, H.T., X., Rizo, J., Brose, N. and Rosenmund, C. (2007) Distinct domains of complexin I differentially regulate neurotransmitter release. *Nat. Struct. Mol. Biol.* 14, 949-958.

Chao, H.T., Zoghbi, H* and Rosenmund, C. * (2007) MeCP2 controls synaptic strength in glutamatergic neurons by regulating synapse number. *Neuron* 56, 58-65. *corresponding authors

Gerber, S.H., Rah, J.C., Min, S.W., Liu, X., de Wit, H., Dulubova, I., Meyer, A.C., Rizo, J., Arancillo, M., Hammer, R.E., Verhage, M., Rosenmund C. *, Südhof, T.C. * (2008) Conformational Switch of Syntaxin-1 Controls Synaptic Vesicle Fusion. *Science.* 321, 1507-10. *corresponding authors

Location