

Maxim Volgushev

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Education

- 1976: School Nr.2 in Moscow (Mathematics & Physics as special subjects)
1981: Moscow State Lomonosov University, Biology (Physiology, Neurophysiology, Higher Brain Functions)
Diplom: "Dynamic reorganisation of receptive fields in cat visual cortex" (Supervisor: Igor A. Shevelev)
1988: Ph.D. Institute of Higher Nervous Activity and Neurophysiology, Russian Academy of Sciences;
"Interaction between neurons in orientation columns in cat visual cortex: a crosscorrelation analysis"
(Supervisor: Igor A. Shevelev)
2000: Habilitation in Physiology, Ruhr-University Bochum, Medical School
"Cellular mechanisms of the orientation selectivity in the visual cortex"

Experience

- 1981 - 1990 Institute of Higher Nervous Activity and Neurophysiology, Russian Academy of Sciences, Moscow
PhD student, Research Scientist
1990 - 1992 Max-Planck-Institute for Biophysical Chemistry, Göttingen,
Department of Neurobiology (Director Otto D. Creutzfeldt)
Alexander-von-Humboldt Foundation Fellow, Max-Planck-Society Fellow
1992 - 1995 Max-Planck-Institute for Brain Research, Frankfurt/M.
Department of Neurophysiology (Director Wolf Singer)
Max-Planck-Society Fellow, Research Scientist
1996 - 2007 Ruhr-University Bochum, Medical Faculty, Department of Neurophysiology (Director Ulf T. Eysel)
Research Scientist, Hochschuldozent
since 2007 University of Connecticut, Storrs, Department of Psychology
Associate Professor
since 2012 Professor

Research fields

- Neurophysiology of the visual system; Signal processing in visual cortical neurons *in vivo*
- Generation of action potentials and cell electrophysiology
- Origin and cellular basis of slow waves in the EEG
- Synaptic transmission in the neocortex, Plasticity of synaptic transmission

External funding

Active grants: National Institutes of Health

Previous grants from: National Institutes of Health; Ministry of Education and Science, Germany;
Deutsche Forschungsgemeinschaft; German-Israeli Foundation for Scientific Research and Development;
NATO Scientific and Environmental Affairs Division; UConn Research Foundation; FoRUM-Programm, RUB;.

Fellowships

Research Fellowship, Alexander von Humboldt Foundation 1990-1991
Research Fellowship, Max-Planck Society 1992-1993
Humboldt Research Award, Alexander von Humboldt Foundation 2014