



Curriculum Vitae Professor Dr. Jens Rettig

Name: Jens Rettig
Born: 1 October 1963
Family Status: married



Academic and Professional Career

since 2007 Full Professorship for Physiology (W3) at the Saarland University, Germany
2000 - 2007 Full Professorship for Physiology (C4) at the Saarland University, Germany
1995 - 2000 Group leader at the Max-Planck-Institute for biophysical chemistry, Göttingen, Germany
1994 - 1995 Postdoc an der University of Washington, Seattle / Postdoc at the University of Washington, Seattle (WA)
1990 - 1993 Ph.D student at the Center for Molecular Neurobiology, Hamburg, Germany
1999 Habilitation at the Georg-August University, Göttingen, Germany
1993 Ph.D degree at the Free University, Berlin, Germany
1984 - 1990 Study of Chemistry at the Ruhr-University, Bochum, Germany

Project coordination, Membership in collaborative research projects (Selection)

- since 2011 Speaker of Collaborative Research Center SFB 894 "Ca²⁺ signals: Molecular mechanisms and integrative functions"
- 2006 - 2015 Project leader Graduate Research School " Ca²⁺ Signaling and cellular nanodomains"
- 2003 - 2012 Project leader Graduate Research School "Molecular, physiological and pharmacological analysis of cellular membrane transport"
- 2000 - 2011 Project leader Collaborative Research Center SFB 530 "Spatial and temporal interactions of cellular signal molecules"
- 2002 - 2005 Project leader Graduate Research School "Cellular regulation and growth"
- 1997 - 2003 Project leader Priority Program "Molecular physiology of synaptic interaction: Analysis of defined mammalian mutants"

Functions in Scientific Societies and Committees (Selection)

- since 2003 Elected member of research committee, Medical Faculty, Saarland University, Germany
- 2006 - 2008 Vice Dean of Medical Faculty, Saarland University, Germany
- 2002 - 2003 Dean of Research, Medical Faculty, Saarland University, Germany

Honours and Awarded Memberships (Selection)

- 2009 Elected Council member of the International Union of Physiological Sciences (IUPS)
- 2009 Visiting professorship at the Jiao Tong University, China
- 2007 Offer for Full Professorship for Neurophysiology, Charité, Berlin – declined, Germany
- 2002 Elected member of Faculty of 1000 Biology, Section Neuroscience
- 1999 Heisenberg fellow Deutsche Forschungsgemeinschaft
- 1994 EMBO and DFG postdoctoral fellowships

Major Scientific Interests

The scientific focus lies on the molecular mechanisms which enable two fundamental processes in humans. The first part investigates the molecular mechanisms underlying the release of neurotransmitters and hormones. This process is highly important in our central nervous system, and its modulation forms the basis of plastic changes of our brain like learning and memory. The second part focuses on cytotoxic T lymphocytes which patrol our body and kill infected cells. Here, the emphasis is on the formation and function of the immunological synapse, which is being transiently formed between T cell and target cell.