Jun.-Prof. Dr. med. Jan-Philipp Machtens

Lab interest: **molecular simulations, machine learning, and electrophysiology;**
ion channels and transporters in neuronal signal processing; pharmacological target identification

Institute of Clinical Pharmacology, RWTH Aachen University
and
Computational Neurophysiology Group, Institute of Complex Systems – Zelluläre Biophysik (ICS-4), Forschungszentrum Jülich

PROFESSIONAL CAREER

since 2019	W1 Professor for "Molecular modeling and simulation of membrane proteins", Department of Molecular Pharmacology, RWTH Aachen University
since 2016	Young investigators group leader (Computational Neurophysiology Group) at Institute of Complex Systems (ICS-4), Forschungszentrum Jülich
2013–2016	Postdoctoral research fellow in the Institute of Complex Systems, Zelluläre Biophysik (ICS-4), Forschungszentrum Jülich, headed by Prof. Ch. Fahlke

UNIVERSITY EDUCATION AND ACADEMIC DEGREES

2011–2014	Guest student at Computational Biomolecular Dynamics group, Max Planck Institute for Biophysical Chemistry, Göttingen, Supervision: Prof. Dr. Bert L. de Groot, Project: "Molecular dynamics simulations of glutamate transporters"
2011–2014	Medical doctorate, Institute for Neurophysiology, Medizinische Hochschule Hannover, Thesis title: "Gating of EAAT Anion Channels within the Glutamate Transport Cycle", Honor: Summa cum laude
2006–2013	Human medicine, Medizinische Hochschule Hannover

AWARDS

2016	Du Bois-Reymond Prize awarded by the German Physiological Society

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Curriculum Vitae