

# Hausmann, Ralf, apl. Prof. Dr. med.

Scientific interest: **Molecular pharmacology and biophysics of voltage- and ligand-gated ion channels, ligand-recognition of ligand-gated ion channels**

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## PROFESSIONAL CAREER

2019-	Group leader Biophysical Pharmacology of Ion channels, Institute of Clinical Pharmacology, RWTH Aachen University
2015-2016	Visiting Scientist, Institute of Complex Systems, Zelluläre Biophysik (ICS-4, Prof. Fahlke), Forschungszentrum Jülich
2008-2019	Group leader electrophysiology lab, Dept. of Molecular Pharmacology, Institute of Pharmacology and Toxicology, RWTH Aachen University
2005-2008	Postdoctoral Fellow, Dept. of Molecular Pharmacology, Institute of Pharmacology and Toxicology, RWTH Aachen University
2003-2005	Junior Research Scientist, Dept. of Molecular Pharmacology, Institute of Pharmacology and Toxicology, RWTH Aachen University

## UNIVERSITY EDUCATION AND ACADEMIC DEGREES

2023	Awarding of the title <i>Außerplanmäßiger Professor</i>
2013	Habilitation and <i>venia legendi</i> for Pharmacology and Toxicology, RWTH Aachen University
2005	Doctor of medicine (summa cum laude), RWTH Aachen University, Germany
2001-2003	Residency and Assistant doctor, Department of Otorhinolaryngology and Head and Neck Surgery, University Hospital of RWTH Aachen University
1994-2001	Medical school, RWTH Aachen University, Germany

## AWARDS

2020	SynchroPatch Award by Nanion (together with Prof. Angelika Lampert) for using an automated system for high throughput electrophysiology at RWTH Aachen
2016	“RWTH Lecturer” Award to distinguish researchers characterized by extraordinary teaching and research activities, part of the Place To Be program of the Excellence Initiative (ISII) at RWTH Aachen University
2014	Poster Award, Annual Meeting of the German Society of Pharmacology and Toxicology, Hannover 2014
2007	Faculty award for an outstanding successful START funding of the Faculty of Medicine, RWTH Aachen University
2006	Borchers award for a “summa cum laude” doctoral thesis, RWTH Aachen
2005	Faculty award for an outstanding doctoral thesis founded by the Grünenthal Company, Faculty of Medicine, RWTH Aachen University

## SELECTED RESEARCH FUNDING (PAST 5 YEARS)

- 2023 BMBF Initiative project: "Precision<sup>2</sup>Treat - PRECISION Drug Therapy to TREAT Pain Patients" (13GW0656; Co-applicant together with Prof. Angelika Lampert)
- 2022-2023 ERS Interdisciplinary Seed Fund project (part of Excellence Initiative of RWTH Aachen University: "EISonION - Electrical Impedance Spectroscopy for drug screening on Ligand-gated ION channels" (OPSF671; Principal Investigator together with Prof. Uwe Schnakenberg)
- 2020-2023 IZKF research project within research consortium "Sodium channel-related pain disorders: From molecular mechanisms towards personalized treatment"; Subproject P5 "Biochemical and Functional characterization of heterologously expressed pain-related NaV mutants" (TN1-5/IA 532005; Co-Principal Investigator)
- 2018-2023 DFG research project „Molecular Dynamics Guided Analysis of Ligand Activation, Ion Permeation and Subtype-specific Ligand Interactions in P2X Receptors" (HA 6095/1-2; Principal Investigator)
- 2013-2017 DFG research project „Structure-guided analysis of subtype-specific interactions between P2X receptors and their ligands" (HA 6095/1-1; Principal Investigator)