

CURRICULUM VITAE

Albrecht Haase

albrecht.haase@unitn.it

University of Trento

<https://r.unitn.it/en/cimec/nphys>

Piazza Manifattura 1

@neurophysics@mastodon.online

38068 Rovereto (TN)

Italy

WORK EXPERIENCE

since Dec 2020 Associate Professor at the University of Trento

Feb 2013 - Nov 2020 Assistant Professor at the University of Trento

Aug 2008 - Jan 2013 PostDoc in the Biophysics and Biosignals group of Renzo Antolini at the BIOtech center, University of Trento

Sep 2005 - Jul 2008 PostDoc in the Quantum Optics group of Jürgen Eschner at ICFO, Barcelona, Spain

Jul 2005 - Aug 2005 PostDoc in the Quantum Optics group of Jörg Schmiedmayer, University of Heidelberg, Germany

EDUCATION AND TRAINING

Oct 2000 - Jun 2005 PhD studies in Physics, University of Heidelberg, Germany

Oct 1998 - Feb 2000 Experimental thesis work at the University of Innsbruck, Austria

Oct 1994 - Jun 2000 Studies of Physics, Freie Universität Berlin, Germany

LEADERSHIP

since Mar 2019 Head of the Laboratory for Biophotonics & Neurophysics, Department of Physics

since 2012 Principle investigator of the Neurophysics group at the Center for Mind/Brain Sciences (CIMEC) and the Nonlinear Bioimaging Laboratory at the Department of Physics and the

Aug 2008 – Dec 2011 Responsible for the experimental realization of a new Bioimaging laboratory at the BIOtech center of the University of Trento

Jun 2007 - Jul 2008 Principal investigator of the project: Quantum light from quantum scatterers at ICFO, Barcelona, Spain

Oct 2005 - Jul 2008 Responsible for the construction of the Single Photon Laboratory and Head of an experimental subgroup within the Quantum optics group at ICFO, Barcelona, Spain

Oct 2001 – Jul 2005 Responsible for the construction and operation of a Single-atom-detection laboratory at the Experimental physics institute, University of Heidelberg, Germany

FUNDING ID

since 2012 Coordinator/Unit Leader of 12 financed national and regional projects for >1.6 M€

HONOURS AND AWARDS

Apr 2018 Italian National Habilitation in Applied Physics (02/D1, Fascia 2)
Apr 2017 Italian National Habilitation in Experimental Physics (02/B1, Fascia 2)
Jun 2005 PhD with great honors (magna cum laude), University of Heidelberg, Germany

BIBLIOMETRICS Jan 2024

GOOGLE SCHOLAR

Indexed publications 113
Total citations 2135
H-index 25

SCOPUS

Indexed publications 66
Total citations 1379
H-index 20

SOCIETY MEMBERSHIPS

German Physical Society (DPG)
Italian Physical Society (SIF)
Italian Society for Neuroscience (SINS)
Italian Society for Experimental Biology (SIBS)
European Chemoreception Research Organization (ECRO)
Honeybee research associations EurBee and COLOSS

EDITORIAL BOARD MEMBERSHIPS

Frontiers in Insect Sciences - Associate Editor (Insect Neurobiology)
Scientific Reports (Neuroscience)
Frontiers in Physics (Medical Physics and Imaging)
Frontiers in Physiology (Medical Physics and Imaging)
Insects MDPI (Insect Physiology, Reproduction and Development)

ORGANIZATION OF SCIENTIFIC EVENTS

Program committee member of the 18th Annual Conference of the Italian Association of Cognitive Sciences AISC2022 (Rovereto, Italy 2022)
Coordinator of the Organizing Committee of the first Summer school on Interdisciplinary Research on Brain Network Dynamics BRANDY (Terzolas, Italy 2019)

PEER REVIEWING

Journal of Photochemistry and Photobiology B, Journal of Agricultural and Food Chemistry, Proceedings of the Royal Society B: Biological Sciences, Frontiers in Environmental Science, Scientific Reports, Chemistry - A European Journal, Molecules, PLOS Computational Biology, Frontiers in Ecology And Evolution, Comparative Biochemistry and Physiology C, Insect Biochemistry and Molecular Biology, PLOS One, Frontiers in Physics, Frontiers in Neuroinformatics, Royal Society Open Science, Insects, Learning and Memory

External reviewer for the Italian National Agency for the Evaluation of Universities and Research Institutes

Project reviewer for the U.S. Army Research Office, National Science Centre Poland, Consorzio per la Ricerca Sanitaria CORIS, University of Florence

INSTITUTIONAL ENGAGEMENT

CIMeCs delegate in the Scholars AT Risk initiative

Member of the Intellectual property and research impact group

CURRENT MAIN RESEARCH LINES AND COLLABORATIONS

- Brain Network Dynamics, Strategic project of the Ateneo of UniTrento with Dept. of Physics, CIMeC, CIBIO, Department of Information Engineering and Computer Sciences, UniTrento, Fondazione Bruno Kessler, Center for Neuroscience and Cognitive Systems (CNCS) of IIT
- Development of a transgenic honeybee model with Martin Beye (University of Duesseldorf, Germany), Julie Carcaud and Jean-Christophe Sandoz (CNRS, France)
- Development of an optogenetic fruitfly model to study brain connectivity and artificial perception with Damiano Zanini (University of Wuerzburg, Germany)
- Neuronal correlates of Sleep in the insect brain Uri Hasson (CIMeC), Sebastian Mogulier (Universidad Favaloro, Argentina)
- Neuroscience of plan-insect interaction via neuroactive substances in extra-floral nectars with Stefano Mancuso (University of Firenze), Franco Faoro (Università degli Studi di Milano), Donato Antonio Grasso (Università degli Studi di Parma) and Massimo Nepi (Università degli Studi di Siena)
- Neurotoxic pesticide-induced structural and functional neuroplasticity and its influence on learning capabilities in honeybees with Sergio Angeli (University of Bolzano), Gianfranco Anfora, Paolo Fontana, and Valeria Malagnini (FEM, S. Michele all' Adige, Italy)
- Pheromones as modulators of Cognitive Behaviour with David Baracchi (University of Florence), Patrizia Vignolo (University of Nice-Sophia Antipolis, France), and Martin Giurfa (University of Toulouse, France)
- Neuronal network dynamics in the insect model, Yuri Antonacci (Sapienza Università di Roma), Luca Faes (Università di Palermo), Marco Paoli (CNRS, France), Ludovico Minati (Pervasive Edge S.r.l.s, Italy)
- Structural and functional brain lateralization with Giorgio Vallortigara (CIMeC Trento), Gianfranco Anfora (FEM, S. Michele all' Adige) and Paul Szyszka/Giovanni Galizia, University of Konstanz, Germany)
- Lateralisation of Antennal motion with Elisa Rigosi (University of Lund, Sweden), Gustavo Moreno e Mello (Oslo Metropolitan University, Norway)
- Influence of Geosimin on bee aggression, Amelie Cabriol (University of Lausanne, Switzerland), Morgan Nouvian (University of Konstanz, Germany), Thomas Novotny (University of Sussex, UK)