

PD Dr. Johannes Spaethe

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Career	2010-now	Group Leader, Research Assistant, Zoology II, University of Würzburg
	2012-2014	Visiting Professor of Arthropod Neuroethology (Vertretungsprofessur), Zoology II, University of Würzburg
	2010	Habilitation for Zoology, University of Vienna, Austria
	2004-2010	Research Assistant, Department of Evolutionary Biology, University of Vienna, Austria
	2002-2004	Postdoctoral fellow at the Department of Ecology and Evolutionary Biology, University of California, Irvine, USA
	2001-2002	Postdoctoral fellow of the Graduiertenkolleg "Arthropodenverhalten", Zoology II, University of Würzburg
	2001	PhD Thesis at the University of Würzburg: "Sensory ecology of foraging in bumblebees" (Supervisor: Prof. Lars Chittka)
	1996	Diploma Thesis at the University of Wuerzburg: "Behavioral experiments on the gravity sense of the honeybee, <i>Apis mellifera</i> " [in German] (Supervisor: Prof. Jürgen Tautz)
	1991-1996	Studies in Biology at the University of Würzburg

Research Interests	Colour Vision, Sensory Ecology, Flower-Pollinator Interaction, Division of Labour in Social Insects, Learning and Memory, Eye Function and Evolution, Taste perception
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Administration and Organisation	2011-now	Safety adviser for the carriage of dangerous goods; Zoology II, University of Würzburg
	2005-2010	Safety representative of the molecular laboratory of the Dept. of Evolutionary Biology, University of Vienna
	2005-2010	Co-organizer of the "Zoologisches Kolloquium" at the Faculty of Life Sciences; Co-organizer of the Darwin-Lecture-Series at the University of Vienna

Professional Activities	<i>Reviewer for Scientific journals:</i>
	Animal Behaviour, Animal Cognition, Apidologie, Arthropod-Plant Interactions, Behavioral Ecology, Behavioral Ecology and Sociobiology, Entomologia Generalis, Ethology, FLORA, Functional Ecology, Ecology Letters, Insectes Sociaux, Journal of Comparative Physiology A, Journal of Experimental Biology, Journal of Experimental Zoology Part B, Naturwissenschaften (The Science of Nature), Oecologia, Plant Biology, PLOS ONE, Proc. of the Royal Society B

Reviewer for Funding Agencies:

Deutsche Forschungsgemeinschaft (DFG), Germany
Deutsche Bundesstiftung Umwelt (DBU), Germany
Heinrich Hertz-Stiftung, Germany
National Science Foundation (NSF), USA
Studienstiftung des deutschen Volkes, Germany

Funding and Awards

“Glossy flowers” (2020) Travel grant Bayerische Forschungsallianz, (Co-PI with Casper van der Kooij); €1.735

„Species-specific perceptual hierarchies underlying the detection of nutritional and non-nutritional compounds in pollen collected by bees” (2020-2023), Deutsche Forschungsgemeinschaft (DFG), (Co-PI with Sara Leonhardt); ca. €220.000

„Detection and importance of micro- and macronutrients in pollen collected by bumblebees” (2016-2020), Deutsche Forschungsgemeinschaft (DFG), (Co-PI with Sara Leonhardt); ca. €160.000

„Sensory Exploitation bei der Eisenhuthummel, *Bombus gerstaeckeri*“ (2014-2015), Universitätsbund Würzburg (Co-PI with Thomas Schmitt); €1.000

“Developmental timing mechanisms during the formation of the compound eye in the honeybee worker, queen and drone” (2013-2017), Deutsche Forschungsgemeinschaft (DFG), SFB1047; ca. €220.000

“Visual ecology of pollination in the sexually deceptive orchid genus *Ophrys*” (2009-2013), Austrian Science Fund (FWF); ca. €130.000

“Sensory ecology of bumblebees: Adaptation of the visual system to different spectral light qualities in terrestrial habitats” (2008-2009), Austrian Academy of Sciences (KIOES); €3.750

Arbeitskammer Wien, Theodor Koerner Prize (2006); €1.500

DAAD Postdoc Fellowship (2002-2004): University of California, Irvine, USA; ca. €75.000

Invited Lectures

2019	Society for Natural History, Würzburg
2017	Austrian Academy of Sciences (ÖAW), Austria Paul Sabatier University Toulouse, France
2016	RIGeL Summer Academy, University of Regensburg, Germany
2015	University of Düsseldorf, Germany
2014	National Centre for Biological Sciences Bangalore, India
2012	University of Vienna, Austria
2011	University of Ulm, Germany
2010	Museum of Natural History Southern Tyrol, Italy
2009	University of Mainz, Germany
2008	University of Bremen, Germany University of Zurich, Switzerland Speaker at the Neurobiology Summer School Vienna, University of Vienna
2007	University of Potsdam, Germany University of Würzburg, Germany
2006	University of Frankfurt, Germany Queen Mary, University of London, UK University of Toulouse, France
2005	University of Vienna, Austria University of Düsseldorf, Germany University of Erlangen, Germany

2004	University of California, Irvine, USA
2002	Free University of Berlin, Germany University of Tübingen, Germany

Teaching

Lectures, Seminars & Practical Courses

Since 1999 I am in charge of teaching assistance and I started with independent teaching in 2004. I give lectures, seminars and lab courses covering the fields of arthropod physiology, behaviour and ecology, animal vision and perception, sociobiology, pollination ecology, animal evolution as well as introductory courses in biology at the bachelor level. From 2008 to 2010 I participated in the adaptation and modification of lectures and lab courses of the newly established Master programs "Evolutionary Biology" and "Zoology" at the University of Vienna.

During the last ten years, I also guided several student field trips to the Austrian Alps, Crete, Thessaly, Mallorca, Sardinia and Costa Rica.

Thesis supervision

During the last years I supervised and co-supervised 5 PhD-, 18 Diploma/Master-, 20 Bachelor-Theses and 6 Zulassungsarbeiten (graduate thesis for teacher).

Outreach

2019	Lecture and discussion: „Warum Blumen bunt sind“; Vortrag im Botanischen Garten Bonn Lecture and field excursion: „Warum Blumen bunt sind oder wie Bienen die Welt sehen“ Vortrag mit Führung zu den Wildbienen im Botanischen Garten Würzburg (together with Udo Jäger, gardener)
2018-now	Co-organiser of the "Lebendiger Campus"; initiative for the conservation of biodiversity on the campus of the Julius-Maximilians-Universität
2014	Scientific collaborator in a high school project (Siebold Gymnasium Würzburg) within the framework of "Stadt der jungen Forscher 2014": "Pollination Ecology of Flowers" (Co-PI: Matthias Porsch, Gerd Vogg) Lecture and round table discussion: "Über Kommunikationsformen und Wahrnehmungsweisen bei Insekten" (2014), in the framework of „Musik 21 Niedersachsen“, Wiensen
2013	Lecture and discussion: „Bestäuberanlockung bei Orchideen: Täuschen und Betrügen“. Orchideen - Gesellschaft Kurpfalz e.V., Mannheim-Feudenheim
2008-2010	Scientific collaborator in "KIP - Kids Participation in Educational Research" (2008-2010), funded by the Federal Ministry of Science, Research and Economy (BMWF) Austria, Programms "Sparkling Science"
