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EDUCATION

- 2008 – 2012 **PhD in Brain, Behaviour and Evolution, Macquarie University, Sydney, Australia**
Thesis: "*Foraging ecology of the Australian desert ant Melophorus bagoti*"
Advisor: Prof. K. Cheng
- 1998 – 2006 **Diploma in Biology, Goethe-University, Frankfurt a. M., Germany**
Thesis: "*Comparison of the diversity of game-meadows and extensively used hay meadows in the Taunus*" Advisor: Prof. Dr. R. Wittig

PROFESSIONAL EXPERIENCE

- since 2022 **Temporary Principal Investigator in Insect Neuroethology**
University of Würzburg, Germany
- 2019 – 2021 **Postdoctoral Researcher in Insect Behaviour and Biogeography**
University of Hong Kong, Hong Kong
- 2016 – 2018 **Postdoctoral Researcher in Insect Neuroethology**
French National Centre for Scientific Research (CNRS), Toulouse, France
- 2014 – 2015 **Research Assistant in Insect Ecology**
Western Sydney University, Sydney, Australia
- 2014 – 2014 **Postdoctoral Researcher in Insect Navigation**
Australian National University, Canberra, Australia
- 2012 – 2014 **Postdoctoral Researcher in Insect Navigation**
Macquarie University, Sydney, Australia

TEACHING EXPERIENCE

- 2019 **Tutor** at experiential field course Ecology & Evolution, University of Hong Kong
- 2016 **Masterclass** Neuroethology, Paul Sabatier University, Toulouse, France
- 2015 **Lectures and practical** Navigation and Foraging, Macquarie University, Sydney, Australia
- 2012 **Tutor** Brain, Behaviour and Evolution, Macquarie University, Sydney, Australia
- 2011 **Tutor** Australasian Vertebrates, Macquarie University, Sydney, Australia
- 2003 – 2005 **Tutor** Animal and Plant Morphology, Goethe-University, Frankfurt a. M., Germany
- 2003 – 2004 **Tutor** Systematics of Plants and Animals, Goethe-University, Frankfurt a. M., Germany

GRANTS AND AWARDS

2022	Research Grant (Eigene Stelle), German Research Council (DFG)
2020	Postdoctoral Fellow Research Award, University of Hong Kong
2017	Workshop Attendance Fund, The Company of Biologists
2016	Returning Scientist Fellowship, DAAD; unclaimed
2010	Postgraduate Research Fund, Macquarie University
2008	Research Excellence Scholarship, Macquarie University

LIST OF PUBLICATIONS (SELECTION)

Total publications: 26. Scopus citations: 570, *h*-index 14; Google Scholar citations: 690, *h*-index 16

* first authorship shared

1. **Schultheiss P**, Guénard, B. (2021). Kinematic study of six mangrove ants species (Hymenoptera: Formicidae) reveals different swimming styles and abilities. *Myrmecological News* 31:217-224 ([link](#))
2. Buatois A, Flumian C, **Schultheiss P**, Avarguès-Weber, A, Giurfa, M. 2018. Transfer of visual learning between a virtual and a real environment in honey bees: the role of active vision. *Frontiers in Behavioral Neuroscience* 12:139 ([link](#))
3. Freas CA, **Schultheiss P**. 2018. How to navigate in different environments and situations: lessons from ants. *Frontiers in Psychology* 9:841 ([link](#))
4. **Schultheiss P***, Buatois A*, Avarguès-Weber A, Giurfa M. 2017. Using virtual reality to study visual performances of honeybees. *Current Opinion in Insect Science* 24:43-50 ([link](#))
5. **Schultheiss P**, Stannard T, Pereira S, Reynolds, AM, Wehner R, Cheng K. 2016. Similarities and differences in path integration and search in two species of desert ants inhabiting a visually rich and a visually barren habitat. *Behavioral Ecology and Sociobiology* 70:1319-1329 ([link](#))
6. **Schultheiss P**, Wystrach A, Schwarz S, Tack A, Delor J, Nooten SS, Bibost, A-L Freas CA, Cheng K. 2016. Crucial role of ultraviolet light for desert ants in determining direction from the terrestrial panorama. *Animal Behaviour* 115:19-28 ([link](#))
7. **Schultheiss P**, Raderschall CA, Narendra A. 2015. Follower ants in a tandem pair are not always naïve. *Scientific Reports* 5:10747 ([link](#))
8. **Schultheiss P**, Wystrach A, Legge ELG, Cheng K. 2014. Information content of visual scenes influences systematic search of desert ants. *Journal of Experimental Biology* 216:742-749 ([link](#))
9. **Schultheiss P**, Cheng K. 2013. Finding food: outbound searching behavior in the Australian desert ant *Melophorus bagoti*. *Behavioral Ecology* 24:128-135 ([link](#))
10. **Schultheiss P**, Cheng K. 2011. Finding the nest: inbound searching behaviour in the Australian desert ant, *Melophorus bagoti*. *Animal Behaviour* 81:1031-1038 ([link](#))