

Angela Albi

Postdoc @ Couzin Lab - Max Planck Institute of Animal Behavior
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Research Experience

Postdoc at Max Planck Institute of Animal Behavior (Konstanz, Germany) Supervised by Professor Iain D. Couzin	Oct 2023 – today
Postdoc at Stockholm University (Stockholm, Sweden) Supervised by Dr. Valentina Di Santo	Jun 2023 – Sept 2023
Postdoc at Max Planck Institute of Animal Behavior (Konstanz, Germany) Supervised by Professor Iain D. Couzin	March 2023 – May 2023
Ph.D. at Max Planck Institute of Animal Behavior (Konstanz, Germany) Supervised by Professor Iain D. Couzin	Oct 2016 – Feb 2023
Master's thesis at Center for Mind/Brain Sciences (CIMEC) (Rovereto, Italy) <i>Topics: in-vivo two-photon calcium imaging, honey bees, olfactory system, insects</i>	Dec 2015 – Oct 2016
Internship at Harvard Medical School (Boston, USA) Supervised by Dr. Lauren O'Donnell	Summer 2015

Professional Experience

Postdoc Institute representative Representative for the Max Planck Institute of Animal Behavior	Sept 2024 – Today
Lead organizer TEDxKonstanz 2021 TEDxKonstanz – Kaleidoscope: Patterns in Nature and Society	Apr 2019 – Apr 2021
PhDnet and internal student representative Representative for the Max Planck Institute of Animal Behavior	Nov 2018 – Nov 2020
Mentor at MEDILS, Mediterranean Institute for Life Sciences (Split, Croatia) Co-organizer of the course "Sensing the Oceans - Social Behaviour of Fish" for 13-18 years-old students	Aug 2019

Education

Ph.D. in Biology at Max Planck Institute of Animal Behavior (Konstanz, Germany) <i>Magna cum Laude</i> <i>Thesis: The role of parasitism in individual and collective behaviour of fish</i>	2016 – 2023
MSc in Cognitive Science at Center for Mind/Brain Sciences (CIMEC) (Rovereto, Italy) <i>110/110 cum laude</i> <i>Thesis: in-vivo two-photon calcium imaging, honey bees, olfactory system, insects</i>	2014 – 2016
BSc in Psychology at University of Trento (Rovereto, Italy) <i>110/110</i>	2010 – 2013

Advanced Training

Wilderness Advanced First Aid Course - Outdoorschule süd (Konstanz, Germany) First aid course for emergency and rescue situations in the field and remote locations	May 2023
CAJAL - Behaviour of Neural Systems (Lisbon, Portugal) Hands-on introduction to advanced methods in behavioural analysis	Jul 2018
TENSS - Transylvanian Experimental Neuroscience Summer School (Cluj, Romania) Hands-on summer school in experimental systems neuroscience	Jun 2017

Fellowships and Awards

Feb 2024: Small Cluster Grant funding Field Work Centre for the Advanced Study of Collective Behavior
Sept 2020: Small Cluster Grant funding TEDxKonstanz Centre for the Advanced Study of Collective Behavior
Jun 2017: Transylvanian Experimental Neuroscience Summer School Simons Foundation
Oct 2016: IMPRS for Organismal Biology Max Planck Graduate School
Jul 2015: Armenise-Harvard Summer Fellowship Armenise-Harvard Foundation

Technical Skills

Operative Systems: Mac, Linux, Windows

Programming: Python, Matlab, L^AT_EX, basics of R

Image and Video editing: Adobe Lightroom Classic, Adobe Premier Pro, Adobe Photoshop, Inkscape

Languages: Italian (Native), English (Advanced), German (B1)

Practical skills: AIDA2 Free diving, SSI Advanced diver, Motorboat and sailing licence, CMAS* diving licence, Drone pilot open A1/A3, Beekeeping

Conferences

Sept 2024: Guest at RSI "Il giardino di Albert", Science communication TV show (Lugano, Switzerland)

Sept 2024: Guest at RSI Radio "Il giardino di Albert", Science communication radio podcast (Lugano, Switzerland)

May 2023: Invited speaker at the seminar "Made in CIMeC", Career Fair (Trento, Italy)

July 2022: Invited speaker at the Society of Experimental Biology, (Montpellier, France)

July 2022: Talk at Animal Behavior Society, (San Jose, Costa Rica)

Summer 2021: Virtual talks at Animal Behavior Society (ABS), Society of Experimental Biology (SEB) Annual Meeting, Association for the Study of Animal Behavior (ASAB)

April 2021: Fish, Symmetry, Connection: Illustrating animal behaviour. Live stream for MaxCine, Max Planck Institute of Animal Behavior

Publications

- Paoli, M, Antonacci, Y, Albi, A, Faes, L, Haase, A (2023) **Granger Causality Analysis of Transient Calcium Dynamics in the Honey Bee Antennal Lobe Network** *Insects*, 14(6), 539
- Albi A*, Paoli M*, Zanon M, Zanini D, Antolini R, Haase A (2018) **Neuronal response latencies encode first odor identity information across subjects** *Journal of Neuroscience*, 38 (43), 9240-9251
- Albi A, Meola A, ..., Golby A, O'Donnell JL. (2018) **Image Registration to Compensate for EPI Distortion in Patients with Brain Tumors: An Evaluation of Tract-Specific Effects** *Journal of Neuroimaging*, DOI: 10.1111/jon.12485
- Albi A, Pasternak O, Minati L, ..., Frisoni G, Jovicich J, PharmaCog Consortium (2017) **Free water elimination improves test-retest reproducibility of diffusion tensor imaging indices in the brain: a longitudinal multisite study of healthy elderly subjects.** *Human Brain Mapping*, 38: 12-26.
- O'Donnell JL, Suter Y, Rigolo L, Kahali P, Norton I, Albi A, Zhang F, Meola A, Ciris PA, Rath Y, Westin CF, Golby A. (2017) **Automated White Matter Fiber Tract Identification in Patients with Brain Tumors**

NeuroImage: Clinical, 13: 138-153.

- Isler C, **Albi A**, Temel Y, Duits A. (2016) **Neuropsychological Outcome in Subthalamic Nucleus Stimulation Surgeries with Electrodes Passing Through the Caudate** *Stereotactic and Functional Neurosurgery*
- Fairhall SL, **Albi A**, Melcher D (2014) **Temporal Integration Windows for Naturalistic Visual Sequences.** PLoS ONE 9(7): e102248. doi:10.1371