

Elena A. Ritschard



Born in Baden (Switzerland) on 10/02/1994

Tel.: +43-1-4277-57011

e-mail: elena.ritschard@univie.ac.at

Current Position: Ph. D. student

Director of Studies: Oleg Simakov (U.Vienna), Graziano Fiorito (SZN)

Program: PhD programme in Life Sciences (Biology), University of Vienna, Austria.

Affiliation:

Dept. for Neuroscience and Developmental Biology, University of Vienna (Austria)

Department of Biology and Evolution of Marine Organisms-BEOM, Stazione Zoologica Anton Dohrn, Napoli (Italy)

Education/Training/Experience

Institute and Location	Degree / Function	Year	Field of Study
Department of Biological Sciences, Los Andes University, Bogota, Colombia	BSc.	2012-2017	Biological Sciences
University of Vienna / Stazione Zoologica Anton Dohrn	PhD student	July 2018 - Present	Biological Sciences

Other matters relevant to scientific career

Bachelor's Thesis in the research group of Juan Armando Sánchez, PhD (Laboratorio de Biología Molecular Marina - Biommar): *Assessing the biodiversity of Colombian octopod species*

Summer Undergraduate Research Fellowship (SURF) Program at Purdue University (IN, USA) under supervision of Esteban Fernández- Juricic, Ph.D: *The Role of Habitat Shaping Motion Detection in Two Songbirds*

Fall-Semester Research Internship at Duke University (NC, USA) under supervision of Sönke Johnsen: *Sensory insights from the molecular evolution of the GPCR repertoire in the Octopus bimaculoides genome*

FELASA Accredited Course 062/18F on Cephalopod Biology and Care (March 2019, Barcelona – Spain).

Publications

Author of 4 publications on ISI-journals

Journal Papers

Ritschard, E.A., Guerrero-Kommritz, J. & J. A. Sánchez (2019). “First molecular approach to the octopus fauna from the southern Caribbean”. *Peer J*. <https://doi.org/10.7717/peerj.7300>

Ritschard, E.A., Fitak, R. R., Simakov O. & S. Johnsen (2019). “Genomic signatures of G-protein-coupled receptor expansions reveal functional transitions in the evolution of cephalopod signal transduction”. *Proceedings of the Royal Society of London. Series B, Biological Sciences*. <https://doi.org/10.1098/rspb.2018.2929>

Zarella, I., Herten, K., Maes, G.E. Tai, S., Yang, M., Seuntjens, E., **Ritschard, E.A.**, Zach, M., Styfhals, R., Sanges, R., Simakov, O., Ponte, G. & G. Fiorito (2019). The survey and reference assisted assembly of the *Octopus vulgaris* genome. *Scientific Data*. <https://doi.org/10.1038/s41597-019-0017-6>

Ritschard, E.A., Whitelaw, B., Albertin, C.B, Cooke, I.R., Strugnell, J.M. & O. Simakov (2019). Coupled Genomic Evolutionary Histories as Signatures of Organismal Innovations in Cephalopods. *BioEssays*. <https://doi.org/10.1002/bies.201900073>