

Dr. Alexandra Anh-Thu WEBER

Date & place of birth: 14.08.1987 in Lausanne, Switzerland
Civil & family status: Married, two children (*2020, *2022)
Professional address: Eawag, Ueberlandstrasse 133, 8600 Dübendorf, Switzerland
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Website: [Institutional webpage](#)
Web profiles: [OrcID](#), [Google Scholar](#), [LinkedIn](#), [ResearchGate](#)

Employment history

02.2022 – present **Group Leader (Tenure-Track)**
Department of Aquatic Ecology, Eawag, Dübendorf, Switzerland.

02.2021 – 01.2022 **Marie Sklodowska-Curie Global Fellow**
Return phase: Ifremer, Brest, France.
Collaboration with Dr. Jozée Sarrazin & Dr. Sophie Arnaud-Haond.

10.2018 – 01.2021 **Marie Sklodowska-Curie Global Fellow**
Outgoing phase: Museums Victoria, Melbourne, Australia.
Collaboration with Dr. Timothy D. O'Hara.

04.2018 – 09.2018 **Endeavour Postdoctoral Research Fellow**
Museums Victoria, Melbourne, Australia.
Collaboration with Dr. Timothy D. O'Hara.

05.2015 – 02.2018 **Postdoctoral researcher**
Zoological Institute, University of Basel, Switzerland.
Advisor: Prof. Dr. Walter Salzburger.

Career breaks

08.2022 – 11.2022 Maternity leave
07.2020 – 09.2020 80% reduction of workload (0.2 FTE) due childcare closure during COVID19 pandemic
01.2020 – 04.2020 Maternity leave

Education

10.2011 – 01.2015 **PhD in Oceanography** (IMBE, Aix-Marseille University, Marseille, France).
PhD scholarship by the French Ministry of Education, based on excellence criteria.
Thesis title: "Ecological and genetic study of the brittle star species complex *Ophioderma longicauda*: comparative study between brooding and broadcasting lineages". PhD advisor: Dr. Anne Chenuil.
Defended on the **16th of January 2015**. Highest distinction: "Très honorable"

09.2009 – 06.2011 **Master of Oceanography**, Marine Biology and Ecology (Marseille Oceanology Centre, Aix-Marseille University, Marseille, France).
Master achieved with GPA 16.5/20, 2nd best score in year. Highest distinction: "Très bien"

01.2011 – 06.2011 **Master project** (Department of Genetics & Evolution, University of Geneva, Switzerland). Advisor: Prof. Dr. Jan Pawlowski

09.2006 – 06.2009 **Bachelor of Science** in Biology (University of Lausanne, Switzerland)

Publications / Preprints

11 as first/co-first author; 10 as co-author; 3 as last author

Citations: 1161; *h*-index: 15; *i*-index: 18

2023

- Daniels RJ, Meyer BS, Giulio M, Signorini S, Riccardi N, Della Torre C, **Weber A. A-T**. Benchmarking sample pooling for epigenomics of natural populations. [BioRxiv preprint](#). Under review in *Molecular Ecology Resources*.
- Garlovsky MD*, Whittington E*, Albrecht T, Arenas-Castro H, Castillo DM, Keais G, Larson EL, Moyle L, Plakke M, Reifová R, Snook RR, Ålund M and **Weber A. A-T***. 2023. Synthesis and scope of the role of postmating prezygotic isolation in speciation. ***Equal contribution**. *Cold Spring Harbor Perspectives in Biology*. In press. doi: 10.1101/cshperspect.a041429.
- **Weber A.A-T**, Stefanoudis P, Zeppilli D, Puccinelli E. 2023. Editorial: the 16th Deep-Sea Biology Symposium. *Frontiers in Marine Science*. [10:1328818](#)

2022

- Puccinelli E, Zeppilli D, Stefanoudis P, Wittische-Helou A, Kermorgant M, Fuchs S, Menot L, Easton EE, **Weber A.A-T**. 2022. Hybrid conferences: opportunities, challenges and ways forward. *Frontiers in Marine Science*. [9:902772](#)

2021

- **Weber A. A-T**, Rajkov J., Smailus K., Egger B. and Salzburger W. 2021. Speciation dynamics and extent of parallel evolution along a lake-stream environmental contrast in African cichlid fishes. *Science Advances*. [7\(45\):5391](#)
- Fraïsse C., Haguénauer A., Gérard K., **Weber A. A-T**, Bierne N. and Chenuil A. 2021. Fine-grained genetic-environment association in an admixed population of mussels in the small isolated Kerguelen Island. *Peer Community Journal*. [1:e10](#)



2020

- **Weber A. A-T**, Hugall A. F. and O'Hara T. D. 2020. Convergent evolution and structural adaptation to the deep ocean in the protein folding chaperonin CCT α . *Genome Biology and Evolution*. [12: 1929-1942](#)
- Stöhr S., **Weber A. A-T**, Boissin E. and Chenuil A. 2020. Resolving the *Ophioderma longicauda* (Echinodermata: Ophiuroidea) cryptic species complex: five sisters, three of them new. *European Journal of Taxonomy*. [600: 1-37](#)



2019

- **Weber A. A-T**, Stöhr S. and Chenuil A. 2019. Species delimitation in the presence of strong incomplete lineage sorting and hybridization: lessons from *Ophioderma* (Ophiuroidea: Echinodermata). *Molecular Phylogenetics and Evolution*. [131: 138-148](#)

- Böhne A.*, **Weber A. A-T***, Rajkov J., Reschteiner M., Riss A., Egger B. and Salzburger W. **2019**. Repeated evolution versus common ancestry: Sex chromosome evolution in the haplochromine cichlid *Pseudocrenilabrus philander*. ***Equal contribution**. *Genome Biology and Evolution*. [11:439-458](#)

2013-2018

- Gooday A. J., Holzmann M., Goineau A., Kamenskaya O., Melnik V. F., Pearce R. E., **Weber A. A-T** and Pawlowski J. **2018**. Xenophyophores (Rhizaria, Foraminifera) from the eastern Clarion Clipperton Zone (eastern equatorial Pacific): the genus *Psammima*. *Protist*. [169: 926-957](#)
 - Rajkov J., **Weber A. A-T**, Salzburger W. and Egger B. **2018**. Immigrant and extrinsic hybrid inviability contribute to reproductive isolation between lake and river cichlid ecotypes. *Evolution*. [72: 2553-2564](#)
 - Rajkov J., **Weber A. A-T**, Salzburger W. and Egger B. **2018**. Adaptive phenotypic plasticity contributes to divergence between lake and river populations of an East African cichlid fish. *Ecology & Evolution*. [8: 7323-7333](#)
 - Gooday A. J., Holzmann M., Goineau A., Pearce R. E., Voltski I., **Weber A. A-T** and Pawlowski J. **2018**. Five new species and two new genera of xenophyophores (Foraminifera, Rhizaria) from part of the abyssal equatorial Pacific licensed for polymetallic nodule exploration. *Zoological Journal of the Linnean Society*. [183: 723-748](#)
 - Gooday A. J., Holzmann M., Caille C., Goineau A., Jones D.O.B., Kamenskaya O., Simon-Lledó E., **Weber A. A-T** and Pawlowski J. **2018**. New species of the xenophyophore genus *Aschemonella* (Rhizaria: Foraminifera) from areas of the abyssal eastern Pacific licensed for polymetallic nodule exploration. *Zoological Journal of the Linnean Society*. [182: 479-499](#)
 - **Weber A. A-T**, Abi-Rached L., Galtier N., Bernard A., Tuberosa J., Montoya-Burgos J.I. and Chenuil A. **2017**. Positive selection on sperm ion channels in a brooding brittle star: consequence of life-history traits evolution. *Molecular Ecology*. [26: 3744-3759](#)
- Highlighted in the “News and Views” of Molecular Ecology: Hart M.W. and Guerra V. **2017**. Finding genes and lineages under selection in speciation. *Molecular Ecology*. [26: 3587-3590](#)
- Cahill A. E., De Jode A., Dubois S., Bouzaza Z., Aurelle D., Boissin E., Chabrol O., David R., Egea E., Ledoux J.-B., Mérigot B., **Weber A. A-T** and Chenuil A. **2017**. A multispecies approach reveals hot-spots and cold-spots of diversity and connectivity in invertebrate species with contrasting dispersal modes. *Molecular Ecology*. [26: 6563-6577](#)
 - Gooday A. J., Holzmann M., Caille C., Goineau A., Kamenskaya O., **Weber A. A-T**, Jan Pawlowski J. **2017**. Giant protists (xenophyophores, Foraminifera) are exceptionally diverse in parts of the abyssal eastern Pacific licensed for polymetallic nodule exploration. *Biological Conservation*. [207: 106-116](#)
 - **Weber A. A-T**, Mérigot B., Valière S. and Chenuil A. **2015**. Influence of the larval phase on connectivity: strong differences in the genetic structure of brooders and broadcasters in the *Ophioderma longicauda* species complex. *Molecular Ecology*. [24: 6080-6094](#)

- **Weber A. A-T, Stöhr S. and Chenuil A. 2014.** Genetic data, reproduction season and reproductive strategy data support the existence of biological species in *Ophioderma longicauda*. *Comptes Rendus Biologies*. [337: 553-560](#)
- Romiguier J, Gayral P, Ballenghien M, Bernard A, Cahais V, Chenuil A, Chiari Y, Derrat R, Duret L, Faivre N, Loire E, Lourenco JM, Nabholz B, Roux C, Tsagkogeorga G, **Weber A.A-T**, Weinert LA, Belkhir K, Bierne N, Glémin S and Galtier N. **2014.** Comparative population genomics in animals uncovers the determinants of genetic diversity. *Nature*. [515, 261-263](#)
- **Weber A. A-T and Pawlowski J. 2014.** Wide occurrence of SSU rDNA intragenomic polymorphism in Foraminifera and its implications for molecular species identification. *Protist* [165\(5\): 645-661](#)
- **Weber A. A-T, Dupont S. and Chenuil A. 2013.** Thermotolerance and regeneration in the brittle star species complex *Ophioderma longicauda*: A preliminary study comparing lineages and Mediterranean basins. *Comptes Rendus Biologies* [336: 572-581](#)
- **Weber A. A-T and Pawlowski J. 2013.** Can abundance of protists be inferred from sequence data: a case study of Foraminifera. *PLoS One* [8\(2\): e56739](#)



Letter / Correspondence / Dataset

- Mazzoni CJ, Ciofi C and Waterhouse R on behalf of **ERGA council. 2023.** Biodiversity: an atlas of European reference genomes. *Nature*. [619, 252](#).
- **ERGA council et al (65 co-authors).** European Reference Genome Atlas Community - Phase 1 Members - 2020-2023. **2023.** [Zenodo dataset](#).
- Abila R., Akoll P., Albertson C., Antunes D., Banda T., Bills R., Bulirani A., Chocha Banda A., Cohen A.S., Cunha-Saraiva F., Derycke S., Donohue I., Du M., Dudu A.M., Egger B., Fritzsche K., Frommen J.G., Gante H.F., Genner M.J., Härer A., Hata H., Irvine K., Isumbisho Mwapu P., Janssens de Bisthoven L., Jungwirth A., Kaleme P., Katongo C., Kéver L., Koblmüller S., Konings A., Lamboj A., Lemmel-Schaedel F., Machado Schiaffino G., Martens K., Masilya P., Meyer A., More H.L., Musilova Z., Muterezi Bukinga F., Muzumani R., Ntakimazi G., Okello W., Phiri H., Pialek L., Plisnier P.D., Raeymaekers J.A.M., Rajkov J., Rican O., Roberts R., Salzburger W., Schoen I., Sefc K.M., Singh P., Skelton P., Snoeks J., Schneider K., Sturmbauer C., Svardal H., Svensson O., Torres Dowdall J., Turner G.F., Tyers A., van Rijssel J.C., Van Steenberge M. Vanhove M.P.M., Verheyen E., **Weber A.A-T.**, Weyl O., Ziegelbecker A. & Zimmermann H. **2016** Oil extraction imperils Africa's Great Lakes. *Science*. [354:561-562](#)

Approved projects/proposals (total funding: ~803k CHF)

11.2023

Interreg Alpenrhein-Bodensee-Hochrhein Project. "Seewandel Climate: Modelling the consequences of climate change and neobiota for Lake Constance". Large international project involving 7 institutions and 11 PIs across Germany, Austria and Switzerland.
 Total approved budget: 5,000,000 EUR.
 Weber sub-project: "How will Quagga mussels develop in a changing lake?"
300,000 EUR

12.2022	Directorate Fund. Competitive funding to set up a scientific dive unit at Eawag. Funded by Eawag. 90,000 CHF
10.2022	Anakom Fund. Competitive instrument funding to obtain an Agilent 4200 TapeStation. Funded by Eawag. 57,000 CHF
07.2022	Eawag Discretionary Fund. Co-PI with Philine Feulner on the project “Establishing a framework for conservation genomics of freshwater biodiversity”. Funded by Eawag. 334,000 CHF
05.2022	Eawag Tailwind Grant. PI on the project “Developing Quagga and Zebra mussel rearing for evolutionary and biocontrol studies”. Funded by Eawag. 22,000 CHF

Fellowships, prizes, awards (total funding: ~400k CHF)

07.2020	Micro One World Grant covering open access publication fees for an article in <i>Genome Biology and Evolution</i> . Awarded by the Marie Curie Alumni Association. 1,000 EUR
01.2018	Marie Sklodowska-Curie Global Fellowship covering 36 months of research for the project “The molecular drivers of deep-sea adaptation in brittle stars”. Awarded by the European Commission Horizon 2020. 270,000 EUR
11.2017	Endeavour Research Postdoctoral Fellowship covering 6 months of research for the project “The molecular drivers of deep-sea adaptation in brittle stars”. Awarded by the Australian Government, Department of Education and Training. 24,000 AUD
09.2017	Travel Award covering registration, travel and accommodation for the ESEB conference 2017, awarded by the University of Basel. 900 CHF
04.2016	Registration Award covering registration fees for the SMBE conference 2016, awarded by the SMBE. 500 USD
05.2016	Travel Award covering travel and accommodation for the SMBE conference 2016, awarded by the University of Basel. 1,100 CHF
07.2015	Christopher Augur Prize: special prize of the jury rewarding scientific investment during the PhD. Awarded by the IMBE, Marseille, France
07.2012	ASSEMBLE Fellowship covering travelling, lodging, sampling and molecular work in Faro and Sagres, Portugal. 2,500 EUR
07.2011	PhD Scholarship for 3 years of the French Ministry of Education, based on excellence criteria. 100,000 EUR

Current and past group members at Eawag

Master student	Julie Conrads (02.2023 – ongoing)
Guest PhD student	Silvia Signorini (04.2022 - 05.2022; 10.2023 – ongoing)
Postdocs	Dr. Ryan J. Daniels (08.2022 – 10.2023) Dr. Ellika Faust (03.2023 – ongoing)
Guest researcher	Dr. Kavitha Uthamallian (11.2022 – ongoing)
Technicians	Marco Giulio (02.2022 – ongoing) Max Hofland (10.2023 – ongoing) Morris Galli (03.2023 – 08.2023)

Supervision and mentoring activities at previous institutions

11.2019 – 12.2019	Bachelor project supervision: Qianying Zhou (Museums Victoria, Australia)
01.2018 – 03.2018	Master project co-supervision: Aishwarya Ravi (University of Basel, Switzerland)
03.2017 – 04.2017	Bachelor project supervision: Sabrina Gurten and Matthias Baureithel (University of Basel, Switzerland)

Institutional responsibilities

01.2023 – present	Coordinator of the Eawag Tenure-Track cohort (Eawag, Switzerland)
01.2023 – present	Scientific manager of the Eawag scientific dive unit (Eawag, Switzerland)

Committee and panel memberships

01.2023 – present	Swiss representative of the European Reference Genome Atlas (ERGA) council
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Teaching experience

01.2018 – 02.2018	Teaching assistant in Speciation Genomics (Cesky Krumlov, Czech Republic) TA in the evomics workshop on “Population and Speciation Genomics” Development of a UNIX tutorial & assisting teaching faculty for bioinformatic practical work (total 126h)
10.2011 – 09.2014	Teaching assistant in Biology (Aix-Marseille University, France) Lecture (L) and practical work (PW) for 3 academic years (total 192h): <ul style="list-style-type: none"> • Molecular Biology (18h/year PW) • Population Genetics (4h/year L; 10h/year PW) • Zoology (4h/year L; 12h/year PW) • Botany (4h/year L; 12h/year PW)

Stakeholder interactions

05.2023	Eawag PEAK course V56/23 “Gebietsfremde Arten in Schweizer Gewässern”, Moderator, speaker and panel member (Eawag, Dübendorf, Switzerland)
05.2023	Invited speaker , “Erhaltungsgenomik von Süßwassermuscheln”, Fauch-Austausch Grossmuscheln (Netzwerk Gewässerökologie, Aarau, Switzerland)

Invited seminars

06.2023	Invited speaker (in person), “Genomics for evolutionary biology and conservation: case studies from freshwater mussels” (Institute of Biology, Neuchâtel, Switzerland)
08.2022	Invited speaker (in person), “From biomonitoring to conservation: the multifaceted roles of genomic approaches in ecology” (IntEcol2022 conference, Geneva, Switzerland)
04.2022	Invited speaker (online), “Walking along the speciation continuum: Genomic insights on adaptive divergence across evolutionary timescales in aquatic species” (Department of Organismal Biology, Uppsala, Sweden)

- 12.2021 **Invited speaker** (in person), “What genomics can teach us about adaptation and speciation” (Department of Aquatic Ecology, Eawag, Switzerland)
- 11.2021 **Invited speaker** (in person), “Origins and maintenance of biodiversity in a changing world: a genomic perspective” (Department of Ecology and Evolution, University of Lausanne, Switzerland)
- 03.2021 **Invited speaker** (online), “Diversification dynamics and (non-)parallel evolution along an ecological gradient in African cichlid fishes” (Evo-Eco-Paleo Lab, University of Lille, France)
- 11.2020 **Invited speaker** (online), “Rolling in the deep: adaptive evolution and ecological speciation in abyssal brittle stars” (Department of Ecology and Evolution, University of Lausanne, Switzerland)

Participation to conferences (talk or poster)

- 02.2022 **Biology22**, the Swiss conference of organismal biology, Basel, Switzerland (hybrid conference). “Giant genomes uncover cryptic speciation in the deep ocean” (selected in person oral communication)
- 09.2021 **16DSBS**, The 16th Deep-Sea Biology Symposium, Brest, France (hybrid conference). “Giant genomes uncover ecological speciation in the deep ocean” (selected in-person oral communication)
- 07.2021 **SMBEv2021**, Society for Molecular Biology and Evolution virtual meeting. “Incipient bathymetric speciation and trans-oceanic connectivity as revealed by giant deep-sea genomes” (selected online oral communication)
- 06.2021 **Virtual Evolution 2021**, SSE, SSB and ASN virtual conference. “Incipient bathymetric speciation and trans-oceanic connectivity as revealed by giant deep-sea genomes” (online oral communication)
- 12.2020 **AES2020**, Australasian Evolution Society’s online conference. “Incipient bathymetric speciation and trans-oceanic connectivity as revealed by giant deep-sea genomes” (online oral communication)
- 08.2020 **eDSBS**, Deep-Sea Biology Society’s online conference. “Convergent evolution and structural adaptation to the deep ocean in the protein folding chaperonin CCT α ” (online oral communication)
- 10.2019 **Boden Research Conference**, Evolutionary Transformations in Vertebrate History, Melbourne, Australia. “Speciation dynamics and (non)parallel evolution along an ecological gradient in African cichlid fish” (oral communication)
- 03.2019 **Gordon Research Seminar and Conference on Speciation (GRS & GRC)**, Ventura, United States of America. “Speciation dynamics along a ecological gradient” (GRS: selected oral communication; GRC: poster)
- 08.2018 **Evolution 2018**, II Joint Congress on Evolutionary Biology, Montpellier, France. “The speciation continuum revisited: lessons from East African cichlids” (selected oral communication).
- 09.2017 **Cichlid Science 2017**, the international biennial conference on Cichlid Biology, Prague, Czech Republic. “Genomics of adaptive divergence in East African cichlid fishes: a comparative approach” (oral communication)

- 08.2017 **ESEB 2017**, Congress of the European Society for Evolutionary Biology, Groningen, Netherlands. “Genomics of adaptive divergence in East African cichlid fishes: a comparative approach” (poster)
- 07.2016 **SMBE 2016**, Society for Molecular Biology and Evolution conference 2016, Gold Coast, Australia. “Genomics of adaptive divergence in East African cichlid fishes: a comparative approach” (poster)
- 02.2016 **Biology 16**, the Swiss conference on organismic biology, Lausanne, Switzerland. “Natural selection drives sperm motility in the species complex *Ophioderma longicauda*” (oral communication)
- 09.2015 **Cichlid Science 2015**, the international biennial conference on Cichlid Biology, Graz, Austria. “Adaptive divergence in East African cichlid fishes: a comparative approach” (poster)
- 02.2014 **ALPHY – PhyloSIB**, Swiss-French meeting on Bioinformatics and Evolutionary Genomics, Geneva, Switzerland. “Comparative study of the *Ophioderma longicauda* species complex: divergent patterns of connectivity and genetic diversity between brooding and broadcasting lineages” (oral communication)
- 02.2014 **Biology 14**, the Swiss conference on organismic biology, Geneva, Switzerland. “Comparative study of the *Ophioderma longicauda* species complex: divergent patterns of connectivity and adaptation between brooding and broadcasting lineages” (poster)
- 10.2013 **40th CIESM congress**, Marseille, France. “Comparative study of the *Ophioderma longicauda* species complex: divergent patterns of connectivity and adaptation between brooding and broadcasting lineages” (flash oral presentation and poster)
- 08.2013 **Petit Pois Dérivé**, annual meeting in population genetics and biology, Marseille, France. “Comparison of the genetic structure in the species complex *Ophioderma longicauda*: influence of the dispersal ability on the connectivity and genetic diversity” (oral communication)
- 06.2013 **MarCo 2013**, French meeting in Marine Connectivity, Marseille, France. “Study of the genetic structure in the species complex *Ophioderma longicauda*: comparison between brooding and broadcasting lineages” (oral communication)

Scientific reviewing & editorial activities

Review of **27 manuscripts** for the following scientific journals:

Evolutionary Applications (4); *Molecular Ecology* (4); *Frontiers in Marine Science* (2); *Marine Ecology Progress Series* (2); *Scientific reports* (2); *Comptes Rendus Biologies* (2); *Systematic Biology* (1); *Proceedings of the Royal Society B* (1); *Marine Biology* (1); *Marine Biodiversity* (1); *BMC Ecology and Evolution* (1); *BMC Genomics* (1); *PeerJ* (1); *Invertebrate Biology* (1); *Evolution & Development* (1); *Proteins: Structure, Function and Bioinformatics* (1); *Continental Shelf Research* (1).

Review of **2 grant proposals** for the following funding agencies:

German Research Foundation (DFG) (1); *Natural Sciences and Engineering Research Council of Canada (NSERC)* (1).

Review Editor for *Frontiers in Marine Science* (Section: Marine Ecosystem Ecology)

Guest editor in *Frontiers in Marine Science*. Research topic: [16th Deep-Sea Biology Symposium](#)

Organisation of conferences / seminars / networking events

05.2023 – 01.2024	Organiser of ERGA-CH networking hour at Biology24 (Zürich, Switzerland).
04.2023 – 01.2024	Member of the organising committee of Biology24 (Zürich, Switzerland).
09.2020 – 09.2021	Manager of social media communication and member of the organising committee of the 16 th Deep-Sea Biology Symposium (Brest, France).
01.2019 – 12.2020	500 Women Scientists Melbourne Pod Coordinator (https://500womenscientists.org)
07.2018 – 12.2020	Organiser of the biweekly Science Interaction Seminars (Museums Victoria, Melbourne, Australia)
06.2016	Organiser of the Science Day for the Salzburger Lab (Basel, Switzerland)
08.2013	Member of the organising committee of the Petit Pois Dérivé conference (Marseilles, France)

Fieldwork experience

11.2018 – 12.2018	Deep-Sea Research cruise IN2018_V06 on R/V Investigator (CSIRO, Australia). Assessment of the status and recovery of deep-sea coral communities on seamounts in iconic Australian marine reserves (Southern Ocean). (4 weeks)
07.2016 – 08.2016	Experiment monitoring and sampling in Zambia targeting the cichlid fishes <i>Astatotilapia burtoni</i> and <i>Pseudocrenilabrus philander</i> . (Total: 13 weeks)
11.2015 – 12.2015	
07.2015 – 08.2015	
02.2015 – 03.2015	Deep-Sea Research cruise ABYSSLINE 02 on R/V Thompson (National Oceanography Centre, UK). Assessment of the foraminiferal biodiversity baseline in the polymetallic nodule mining area of the Clarion-Clipperton Zone (Pacific Ocean). (6 weeks)
2011-2014	Sampling targeting the brittle star <i>Ophioderma longicauda</i> . Sampling by SCUBA diving in various locations (Greece; Portugal; Tunisia; Canary Islands; Madeira). (6 weeks)

Research stays

01.2015	Research stay with Andrew J. Gooday for microscopy training National Oceanography Centre, UK
01.2014 – 03.2014	Research stay with Laurent Abi-Rached for bioinformatic training (transcriptome assembly; orthologous gene prediction; phylogenomics). UMR URMITE, Aix-Marseille University, Marseille, France
07.2012	Research stay with João Reis to sample the brittle star <i>Ophioderma longicauda</i> and perform molecular analyses (DNA extraction, PCR and lineage genotyping). Centre for Marine Sciences, University of Algarve, Faro, Portugal

Further qualifications & training

- 04.2023 – 08.2023 Course **“Scientific diving: theory and practice”**, Eawag, Dübendorf, Switzerland
- 05.2022 Course **“Project Management: Methodology & Tools”**, Eawag, Dübendorf, Switzerland
- 05.2022 ‘Fix the leaking pipeline’ course **“Leadership and how to succeed in the scientific community”**, ETHZ, Zürich, Switzerland
- 06.2019 **SMBE satellite workshop/meeting on Speciation**, Tjärnö, Sweden (participation on a competitive basis)
- 06.2019 **Summer School on Networks and Evolution**, Roscoff, France (participation on a competitive basis)
- 03.2018 **PADI Advanced Open Water diver certification**, Bohol, Philippines
- 02.2018 **Winter School WGS Assembly and Annotation**, Monte-Verità, Switzerland
- 11.2017 **Workshop “Leading a research group”**, Basel, Switzerland
- 02.2017 **Winter school Bioinformatics for Adaptation Genomics**, Weggis, Switzerland
- 02.2016 **Women in science workshop**, “No excellence without diversity: promoting gender equality in ecology and evolutionary biology”. Lausanne, Switzerland
- 01.2016 **Workshop on Population and Speciation Genomics**, Cesky Krumlov, Czech Republic (participation on a competitive basis)
- 2011-2014 **Courses on teaching skills**: Learning with projects; group working; communication; conflicts management; tutelage; posture and voice; integration of foreign students; evaluation. Marseille, France
- 09.2008 **CEDIP/ANMP* diver certification**, Le Brusac, France

Outreach activities

- 09.2021 **Filmed interview** in the documentary: “Deep-sea Taxonomy: challenges and prospects”. *Documentary in preparation.*
- 01.2020 **Filmed interview** in the documentary: [“Seamounts coral survey 2018 Episode 3: Life in the matrix”](#). Showed at several outreach events.
- 08.2019 **General public talks** for the two events ‘National Science Week Launch’ and ‘Science on Show’: “Exploring brittle star genomics to uncover mechanisms of deep-sea adaptation” (Museums Victoria, Melbourne, Australia)
- 08.2019 Participation in the ‘10s science challenge’ **social media event** (Museums Victoria, Melbourne, Australia)
- 11.2018 **Blogpost** for the seamount corals survey 2018: [“Brittle stars on corals: opportunists or partners?”](#)
- 06.2018 **General public talk** at Museums Victoria Nocturnal Event: “Bioluminescence in the twilight zone” (Museums Victoria, Melbourne, Australia)

Memberships in scientific societies

Deep-Sea Biology Society, Society for Molecular Biology and Evolution, European Society for Evolutionary Biology, Society for the Study of Evolution, Swiss Systematics Society, FemWiss (Swiss Association for Women in Research)

Languages

French	First language
English	Fluent (working language for the last 7 years; TOEFL certificate)
German	Good knowledge (9 years of study at school; C1 certificate)

Main collaborators (past and present)

Dr. Anita Narwani	Eawag, Dübendorf, Switzerland
PD Dr. Piet Spaak	Eawag, Dübendorf, Switzerland
Dr. Philine Feulner	Eawag, Kastanienbaum, Switzerland
Dr. Britta Meyer	Max Planck Institute, Plön, Germany
Prof. Dr. Camilla Della Torre	University of Milan, Milan, Italy
Dr. Timothy D. O'Hara	Museums Victoria, Melbourne, Australia
Dr. Adnan Moussalli	Museums Victoria, Melbourne, Australia
Dr. Matthew D. McGee	Monash University, Melbourne, Australia
Dr. Sophie Arnaud-Haond	Ifremer, Sète, France
Dr. Jozée Sarrazin	Ifremer, Brest, France
Dr. Anne Chenuil	IMBE, CNRS, Marseille, France
Dr. Sabine Stöhr	Swedish Museum of Natural History, Stockholm, Sweden
Prof. Dr. Walter Salzburger	University of Basel, Basel, Switzerland
Prof. Dr. Jan Pawlowski	University of Geneva, Geneva, Switzerland
Dr. Andrew J. Gooday	National Oceanography Centre, Southampton, United-Kingdom

References

Prof. Dr. Christoph Vorburger	Head of Aquatic Ecology Department , Eawag, Dübendorf, Switzerland
Dr. Timothy D. O'Hara	Senior Curator , Museums Victoria, Melbourne, Australia
Prof. Dr. Walter Salzburger	Full Professor , Zoological Institute, University of Basel, Switzerland
Dr. Anne Chenuil	CNRS Research Director , IMBE, Aix-Marseille University, France