

## Dr. Alexandra Anh-Thu WEBER

---

Date & place of birth: 14.08.1987 in Lausanne, Switzerland  
Civil & family status: Married, two children (\*17.01.20, \*28.07.22)  
Professional address: Eawag, Ueberlandstrasse 133, 8600 Dübendorf, Switzerland  
Email: Alexandra.weber@eawag.ch



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 (4 months)  
07.2020 – 09.2020      80% reduction of workload (0.2 FTE) due childcare closure during COVID19 pandemic (3 months)  
01.2020 – 04.2020      Maternity leave (4 months)

### Education

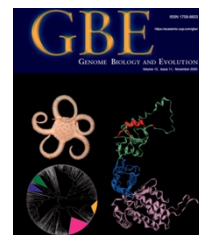
---

- 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, 2<sup>nd</sup> 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)

## Peer-reviewed publications / preprints

Members of the Weber Lab are highlighted in **bold**.

25. Halstead-Nussloch G, **Signorini SG, Giulio M**, Crocetta F, Munari M, Della Torre C, **Weber A. A-T**. (2024) The genome of the rayed Mediterranean limpet *Patella caerulea* (Linnaeus, 1758). *Genome Biology and Evolution*. [evae070](#).
24. **Daniels RJ**, Meyer BS, **Giulio M, Signorini SG**, Riccardi N, Della Torre C, **Weber A. A-T**. (2023) Benchmarking sample pooling for epigenomics of natural populations. [BioRxiv preprint](#). *In revision in Molecular Ecology Resources*.
23. 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*. [a041429](#).
22. **Weber A.A-T**, Stefanoudis P, Zeppilli D, Puccinelli E (2023) Editorial: the 16<sup>th</sup> Deep-Sea Biology Symposium. *Frontiers in Marine Science*. [10:1328818](#)
21. 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](#)
20. **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](#)
19. 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](#)
18. **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 $\alpha$ . *Genome Biology and Evolution*. [12: 1929-1942](#)
17. 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](#)
16. **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](#)
15. Böhne A.\*, **Weber A. A-T\***, Rajkov J., Reschteinier 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](#)
14. 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 *Psammia*. *Protist*. [169: 926-957](#)



13. 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](#)
12. 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](#)
11. 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](#)
10. 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](#)
9. **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](#)
8. Cahill A. E., De Jode A., Dubois S., Bouzaza Z., Aurelle D., Boissin E., Chabrol O., David R., Egea E., Ledoux J.-B., Mériqot 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](#)
7. 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](#)
6. **Weber A. A-T**, Mériqot 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](#)
5. **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](#)
4. Romiguier J, Gayral P, Ballenghien M, Bernard A, Cahais V, Chenuil A, Chiari Y, Dernet 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](#)
3. **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](#)



2. **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](#)
1. **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 (Weber A.A-T and 64 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., Isumbiso Mwapu P., Janssens de Bisthoven L., Jungwirth A., Kaleme P., Katongo C., Kéver L., Koblmüller S., Konings A., Lamboj A., Lemmel-Schaedelin 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., Svoldal H., Svensson O., Torres Dowdall J., Turner G.F., Tyers A., van Rijssel J.C., Van Steenberghe 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 (total funding: ~1.25M CHF)

---

- |         |   |
|---------|---|
| 07.2024 | <b>Eawag Discretionary Fund</b> . PI of the project "Establishing a framework for conservation genomics of freshwater biodiversity". Funded by Eawag. <b>200,000 CHF</b>  |
| 07.2024 | <b>ETH Open Research Data Explore Project</b> . <b>Co-applicant</b> of the project "Promoting Open Research Data Practice for Genetic Diversity (meta)datasets". Main applicant: F. Gugerli. Other co-applicants: P. Feulner, M.C. Fischer, C. Buser, I. Iosifescu Enescu, L. Wotruba. Funded by the ETH Domain. <b>150,000 CHF</b>   |
| 11.2023 | <b>Interreg Alpenrhein-Bodensee-Hochrhein Project</b> . "Seewandel Climate: Modelling the consequences of climate change and neobiota for Lake Constance". Large international project involving 6 institutions and 10 PIs across Germany, Austria and Switzerland. Total budget: 5,000,000 EUR. Main applicant and project leader: P. Spaak. Funded by Interreg (EU & CH). <b>PI of the subproject: "How will Quagga mussels develop in a changing lake?"</b> <b>400,000 EUR</b> |
| 12.2022 | <b>Directorate Fund</b> . Competitive funding to set up a scientific dive unit at Eawag. Funded by Eawag. <b>90,000 CHF</b>   |
| 10.2022 | <b>Anakom Fund</b> . Competitive instrument funding to obtain an Agilent 4200 TapeStation. Funded by Eawag. <b>57,000 CHF</b>   |

- 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** of 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 *Genome Biology and Evolution*. Awarded by the Marie Curie Alumni Association. **1,000 EUR**
- 01.2018 **Marie Skłodowska-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 of the Weber Lab

---

Master student	<b>Julie Conrads</b> (02.2023 – 05.2024)
Guest PhD student	<b>Silvia Signorini</b> (04.2022 - 05.2022; 10.2023 – ongoing)
Postdocs	<b>Dr. Joana L. Santos</b> (04.2024 – ongoing) <b>Dr. Ellika Faust</b> (03.2023 – ongoing) <b>Dr. Ryan J. Daniels</b> (08.2022 – 10.2023)
Guest researcher	<b>Dr. Kavitha Uthamallian</b> (11.2022 – 03.2024)
Technicians	<b>Marco Giulio</b> (02.2022 – ongoing) <b>Max Hofland</b> (10.2023 – ongoing) <b>Morris Galli</b> (03.2023 – 08.2023)
Scientific assistant	<b>Julie Conrads</b> (06.2024 – ongoing)

## Supervision and mentoring activities

---

- 09.2023 – 11.2023     **Block course** project supervision: **Mathys Bourqui & Timo Siegrist** (Aquatic Ecology, Eawag, Switzerland)
- 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)

## Teaching

---

- 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):
- **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)

## PhD committees

---

- 03.2024 – present     **Thesis Advisory Committee** (TAC) member for the PhD of Lucy Jimenez (University of Cologne, Germany)
- 12.2023                 **Aptitude Colloquium Committee** member for the PhD of Giulia Lin (ETH Zürich, 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)

## National and international committees, panel memberships

---

- 03.2024 – present     **Scientific advisor** for the [Global Biodiversity Information Facility \(GBIF\) Switzerland](#)
- 01.2023 – present     **Representative for Switzerland** in the [European Reference Genome Atlas \(ERGA\)](#) council of country representatives

## Stakeholder interactions

---

- 03.2024                 **Eawag PEAK course V58/24** “Quaggamuschel in der Schweiz – Grundlagen und Weiterentwicklung von Präventions- und Monitoringmassnahmen”, invited speaker (Eawag, Dübendorf, Switzerland)

- 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

---

- 06.2024 “Museomics: The importance of museum collections during the era of biodiversity genomics” (MusNatColl24, Natural History Museum Bern, Switzerland)
- 05.2024 “Adaptation and conservation genomics in aquatic ecosystems” (Department of Fish Ecology and Evolution, Eawag, Switzerland)
- 05.2024 “Genomic tools for evolutionary biology and conservation: case studies from freshwater mussels” (Department of Evolutionary Biology and Environmental Studies, University of Zürich, Switzerland)
- 10.2023 “Genomic tools for evolutionary biology and conservation: case studies from freshwater mussels” (CEEB seminar Kastanienbaum, Eawag, Switzerland)
- 06.2023 “Genomics for evolutionary biology and conservation: case studies from freshwater mussels” (Institute of Biology, Neuchâtel, Switzerland)
- 08.2022 “From biomonitoring to conservation: the multifaceted roles of genomic approaches in ecology” (IntEcol2022 conference, Geneva, Switzerland)
- 04.2022 “Walking along the speciation continuum: Genomic insights on adaptive divergence across evolutionary timescales in aquatic species” (Online seminar, Department of Organismal Biology, Uppsala, Sweden)
- 12.2021 “What genomics can teach us about adaptation and speciation” (Department of Aquatic Ecology, Eawag, Switzerland)
- 11.2021 “Origins and maintenance of biodiversity in a changing world: a genomic perspective” (Department of Ecology and Evolution, University of Lausanne, Switzerland)
- 03.2021 “Diversification dynamics and (non-)parallel evolution along an ecological gradient in African cichlid fishes” (Online seminar, Evo-Eco-Paleo Lab, University of Lille, France)
- 11.2020 “Rolling in the deep: adaptive evolution and ecological speciation in abyssal brittle stars” (Online seminar, Department of Ecology and Evolution, University of Lausanne, Switzerland)

#### Participation to national and international conferences (last 5 years)

---

- 08.2024 **ConservationGenetics2024**, 6<sup>th</sup> European Conservation Genetics meeting, Lausanne, Switzerland. “Conservation genomics of *Anodonta* freshwater mussels in Switzerland” (oral communication)
- 06.2024 **WBF24**, 3<sup>rd</sup> World Biodiversity Forum, Davos, Switzerland. “Conservation genomics of *Anodonta* freshwater mussels in Switzerland” (oral communication)

- 05.2024 **MolluscGenomics24**, Establishing state-of-the art mollusc genomics, EMBO Workshop, Namur, Belgium (hybrid conference). “Conservation genomics of *Anodonta* freshwater mussels in Switzerland” (oral communication)
- 02.2022 **Biology22**, the Swiss conference of organismal biology, Basel, Switzerland (hybrid conference). “Giant genomes uncover cryptic speciation in the deep ocean” (oral communication)
- 09.2021 **16DSBS**, The 16<sup>th</sup> Deep-Sea Biology Symposium, Brest, France (hybrid conference). “Giant genomes uncover ecological speciation in the deep ocean” (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” (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 $\alpha$ ” (online oral communication)

### Scientific reviewing & editorial activities

---

#### Review of **28 manuscripts**:

*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); *PCI Genomics* (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<sup>th</sup> Deep-Sea Biology Symposium (Brest, France).
- 01.2019 – 12.2020 500 Women Scientists Melbourne **Pod Coordinator**.



- 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 Déridé conference (Marseilles, France)

### Fieldwork experience

---

- 05.2023-08.2023      **Sampling** targeting *Anodonta* freshwater mussels. Sampling by SCUBA diving or snorkeling in 37 localities across Switzerland.
- 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  
11.2015 – 12.2015      *Astatotilapia burtoni* and *Pseudocrenilabrus philander*. (Total: 13 weeks)  
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 *Ophioderma longicauda*. Sampling by SCUBA diving in various locations (Greece; Portugal; Tunisia; Canary Islands; Madeira). (6 weeks)

### Further qualifications & training

---

- 02.2024 – 03.2024      CAS “**Leadership in Science**” – Basic module, FHNW, Windisch, Switzerland
- 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 Brusuc, 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  | <b>First language</b>  |
| English | <b>Fluent</b> (working language for the last 7 years; TOEFL certificate) |
| German  | <b>Good knowledge</b> (9 years of study at school; C1 certificate)       |

### Main collaborators (past and present)

---

- |                               |  |
|-------------------------------|--|
| Prof. Dr. Jukka Jokela        | Eawag & ETHZ, Dübendorf, Switzerland   |
| Dr. Corine Buser-Schöbel      | WSL, Birmensdorf, Switzerland          |
| 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	<b>Head of Aquatic Ecology Department</b> , Eawag, Dübendorf, Switzerland
Dr. Timothy D. O'Hara	<b>Senior Curator</b> , Museums Victoria, Melbourne, Australia
Prof. Dr. Walter Salzburger	<b>Full Professor</b> , Zoological Institute, University of Basel, Switzerland
Dr. Anne Chenuil	<b>CNRS Research Director</b> , IMBE, Aix-Marseille University, France