

## Dr. Alexandra Anh-Thu WEBER

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Date & place of birth: 14.08.1987 in Lausanne, Switzerland (Swiss nationality)  
Civil & family status: Married, two children (\*2020, \*2022)  
Professional address: Eawag, Ueberlandstrasse 133, 8600 Dübendorf, Switzerland  
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ORCID: <https://orcid.org/0000-0002-7980-388X>



### Employment history

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- 02.2022 – present      **Group Leader (Tenure-Track)**  
Department of Aquatic Ecology, Eawag, Dübendorf, Switzerland.
- 02.2021 – 01.2022      **Marie Skłodowska-Curie Global Fellow**  
Return phase: Ifremer, Brest, France.  
Collaboration with Dr. Jozée Sarrazin & Dr. Sophie Arnaud-Haond.
- 10.2018 – 01.2021      **Marie Skłodowska-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

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- 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

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- 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

**First or co-first author publications: 10; Publications as co-author: 11;  
Last author publication: 1**

citations: 960; *h*-index: 14; *i*-index: 16; *m*-index: 1.6

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 $\alpha$ . *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., 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.

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.

## 2017

- **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

## 2016

- 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-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., Svardal 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

## 2015

- **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.

## 2014

- **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, Dernas 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



### 2013

- **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.

### Approved projects as PI or co-PI (total funding: 356k CHF)

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|---------|---|
| 07.2022 | <b>Eawag Discretionary Fund. Co-PI</b> (with Philine Feulner) on the project "Establishing a framework for conservation genomics of freshwater biodiversity". Funded by Eawag. <b>334,000 CHF</b> |
| 05.2022 | <b>Eawag Tailwind Grant. PI</b> on the project "Developing Quagga and Zebra mussel rearing for evolutionary and biocontrol studies". Funded by Eawag. <b>22,000 CHF</b>                           |

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

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| 07.2020 | <b>Micro One World Grant</b> covering open access publication fees for an article in <i>Genome Biology and Evolution</i> . Awarded by the Marie Curie Alumni Association. <b>1,000 EUR</b>   |
| 01.2018 | <b>Marie Skłodowska-Curie Global Fellowship</b> 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. <b>270,000 EUR</b>                            |
| 11.2017 | <b>Endeavour Research Postdoctoral Fellowship</b> 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. <b>24,000 AUD</b> |
| 09.2017 | <b>Travel Award</b> covering registration, travel and accommodation for the ESEB conference 2017, awarded by the University of Basel. <b>900 CHF</b>   |
| 04.2016 | <b>Registration Award</b> covering registration fees for the SMBE conference 2016, awarded by the SMBE. <b>500 USD</b>   |

- 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**

### Supervision and mentoring activities

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- 08.2022 – 11.2022 **Postdoc** supervision: **Ryan Daniels** (Eawag, Switzerland)
- 04.2022 – 05.2022 **Research** project supervision: **Silvia Signorini** (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 experience

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- 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)

### Invited and departmental seminars

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- 08.2022 **Invited seminar** (in person), “From biomonitoring to conservation: the multifaceted roles of genomic approaches in ecology”  
(IntEcol2022 conference, Geneva, Switzerland)
- 04.2022 **Invited seminar** (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 seminar** (in person), “What genomics can teach us about adaptation and speciation” (Department of Aquatic Ecology, Eawag, Switzerland)
- 11.2021 **Invited seminar** (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 seminar** (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 seminar** (online), “Rolling in the deep: adaptive evolution and ecological speciation in abyssal brittle stars” (Department of Ecology and Evolution, University of Lausanne, Switzerland)
- 08.2019 **Departmental seminar**, “Convergent evolution and structural adaptation to the deep ocean in the eukaryotic chaperonin CCT $\alpha$ ”. (Museums Victoria, Melbourne, Australia)
- 07.2018 **Departmental seminar**, “Speciation dynamics and (non)parallel evolution along an ecological gradient in African cichlid fish” (Museums Victoria, Melbourne, Australia)
- 11.2017 **Departmental seminar**, “Speciation dynamics and (non)parallel evolution along an ecological gradient in African cichlid fish” (University of Basel, Basel, Switzerland)

#### Participation to conferences (talk or poster)

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- 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 16<sup>th</sup> 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 $\alpha$ ” (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 **40<sup>th</sup> 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)
- 10.2012 **MarCo 2012**, French meeting in Marine Connectivity, Roscoff, France. "Comparing the connectivity in cryptic species of *Ophioderma longicauda*: influence of the reproduction mode" (oral communication)

## Scientific reviewing & editorial activities

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Review of **26 manuscripts** for the following scientific journals:

*Evolutionary Applications* (4); *Molecular Ecology* (3); *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 **1 project** for the German Research Foundation (DFG)

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

**Guest editor** for a Research Topic in *Frontiers in Marine Science* (16DSBS: the 16th deep-sea biology symposium)

## Organisation of conferences / seminars / networking events

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|-------------------|---|
| 09.2020 – 09.2021 | <b>Manager</b> 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 <b>Pod Coordinator</b><br>( <a href="https://500womenscientists.org">https://500womenscientists.org</a> )                |
| 07.2018 – 12.2020 | <b>Organiser</b> of the biweekly Science Interaction Seminars (Museums Victoria, Melbourne, Australia)  |
| 06.2016           | <b>Organiser</b> of the Science Day for the Salzburger Lab (Basel, Switzerland)   |
| 08.2013           | <b>Member</b> of the organising committee of the Petit Pois Dérivé conference (Marseilles, France)  |

## Fieldwork experience

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| 11.2018 – 12.2018 | <b>Deep-Sea Research cruise IN2018_V06</b> 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 | <b>Experiment monitoring and sampling</b> 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 | <b>Deep-Sea Research cruise ABYSSLINE 02</b> 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         | <b>Sampling</b> targeting the brittle star <i>Ophioderma longicauda</i> . Sampling by SCUBA diving in various locations (Greece; Portugal; Tunisia; Canary Islands; Madeira). (6 weeks)   |
| 06.2010           | <b>Deep-Sea Research cruise MEDITS</b> (Ifremer, Sète, France). Assessment of commercial demersal resources (fishes, crustaceans and cephalopods) from the trawling zones of Corsica and Gulf of Lion (Mediterranean Sea). (1 week)                     |



## Research stays

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- 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 *Ophioderma*  
*longicauda* and perform molecular analyses (DNA extraction, PCR and lineage  
genotyping).  
Centre for Marine Sciences, University of Algarve, Faro, Portugal
- 04.2012 – 05.2012       **Research stay** with Christos Arvanitidis to sample the brittle star *Ophioderma*  
*longicauda*, monitor its reproductive cycle and perform molecular analyses.  
Hellenic Centre for Marine Research, Crete, Greece

## Further qualifications & training

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- 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

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- 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. (<https://youtu.be/pLo8YSuuQhY>)
- 10.2019 **Blogpost** on personal website: "How to get a postdoc mobility fellowship?". (<http://www.alexandra-anh-thu-weber.com/blog/blogpost1/>)
- 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)
- 12.2018 **Cruise News article** in Deep-Sea Life vol.12: "Tasmanian seamounts: have deep-sea corals recovered?" ([http://www.indeep-project.org/indeep/sites/indeep/files/documents/DSL12\\_Dec\\_2018\\_small.pdf](http://www.indeep-project.org/indeep/sites/indeep/files/documents/DSL12_Dec_2018_small.pdf))
- 11.2018 **Blogpost** for the seamount corals survey 2018: "Brittle stars on corals: opportunists or partners?" (<https://www.nespmarine.edu.au/brittle-stars-corals-opportunists-or-partners>)
- 06.2018 **General public talk** at Museums Victoria Nocturnal Event: "Bioluminescence in the twilight zone" (Museums Victoria, Melbourne, Australia)
- 09.2010 Participation in the **open day** of the Marseille Oceanology Centre: "Septembre en mer: Portes ouvertes du Centre d'Océanologie de Marseille" (Marseilles, France)

## Memberships in scientific societies

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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

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| 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)

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| 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                  |

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## References

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