

Dr. Charlotte EVANGELISTA

Current address: University of Vic, Carrer de la Laura 13, 08500 Vic, Barcelona

Date of birth: 02/08/1988 **Nationality:** French

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[website](#) | [Google Scholar](#) | [Web of Science](#)

RESEARCH EXPERIENCE

- Mar. 2023 – **Post-doctoral researcher** in the Aquatic Ecology Group, University of Vic, Spain
Topic: Functional structure of invertebrate communities in temporary ponds
Collaborator: Prof. Sandra Bruçet
- Jun. 2021 – Mar. 2023 **Post-doctoral researcher** in the **UMR ECOBIOP**, INRAE, University of Pau & Pays Adour, France, and in the **Dept. of ESPM**, University of California, Berkeley, US
Topic: Mechanisms linking climate-induced flow alteration to food-web responses in mountain streams
Supervisors: Dr. M. Buoro, Profs. A. Ruhi & S. Carlson
- Jan. 2017 – Apr. 2020 **Post-doctoral researcher** in the **Centre for Ecological and Evolutionary Synthesis**, University of Oslo, Norway
Topic: Eco-evolutionary feedback loops induced by size-dependent selection in the medaka *Oryzias latipes*
Supervisors: Prof. L.A. Vøllestad & Dr. E. Edeline
- Sep. 2013 – Dec. 2016 **PhD** in the **Lab Evolution & Biological Diversity**, University Toulouse III, France
Topic: Phenotypic variability within invasive species and its consequences on aquatic ecosystem functioning
Supervisors: Drs. J. Cucherousset & A. Lecerf
- 2013 (5 months) **Volunteer internship** in the **School of Applied Sciences**, University of Bournemouth, United Kingdom
Topic: Individual variability and invasive species: an integrative approach
Supervisors: Prof. J.R. Britton & Dr. J. Cucherousset
- 2012 (6 months) **Master research** in the **Lab Functional Ecology and Environment**, University Toulouse III, France
Topic: Trophic subsidies across ecosystems and the ecological consequences of individual trophic specialisation
Supervisors: Drs. A. Lecerf & J. Cucherousset

Other relevant professional experience

- Apr. 2020 – Jan. 2021 Member of the working group (external expert) on risk assessment of alien crustaceans in Norway, The Norwegian Scientific Committee for Food and Environment (VKM)

CAREER BREAK

- Apr. 2020 – Jun. 2021 **Unemployed**

EDUCATION

| | |
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| 2013 - 2016 | PhD in Ecology, University Toulouse III, France |
| 2011 - 2012 | MSc 2 in Biodiversity, Ecology and Evolution, University Toulouse III, France |
| 2010 - 2011 | MSc 1 in Functional, Behavioral and Evolutionary Ecology, University Rennes I, France |
| 2008 - 2010 | B.Sc. in Organism Biology, University Rennes I, France |

PUBLICATIONS

Accepted

* indicates co-first authorship **indicates students I supervised

15. Evangelista C., Dupeu J.**, Sandkjenn J.**, Diaz Pauli B., Herland A., Meriguet J., Vøllestad L.A. & Edeline E. (2021) Ecological ramifications of adaptation to size-selective mortality. *Royal Society Open Science* 8: 210842.210842.
Press coverage: [OSUR](#) (in French), [Titan](#)
14. Vilizzi L., Copp G.H., et al., including Evangelista C. (2021) A global-scale screening of non-native aquatic organisms to identify potentially invasive species under current and future climate conditions. *Science of the Total Environment* 788(20): 147868.
13. Evangelista C., Vøllestad L.A., Diaz Pauli B., & Edeline E. (2020) Density-dependent consequences of size-selective induced life-history changes to population fitness in medaka (*Oryzias latipes*). *Canadian Journal of Fisheries and Aquatic Sciences* 77(10): 1741 – 1748.
12. Evangelista C., Diaz Pauli B., Vøllestad L.A. & Edeline E. (2020) Stoichiometric consequences of size-selective mortality: An experimental test using the Japanese medaka (*Oryzias latipes*). *Science of the Total Environment* 724: 138193.
Press coverage: [OSUR](#) (in French)
11. Diaz Pauli B., Edeline E. & Evangelista C. (2020) Ecosystem consequences of multi-trait response to environmental changes in Japanese medaka, *Oryzias latipes*. *Conservation Physiology* 8(1): coaa011.
10. Lang I., Evangelista C., Everts R., Loot G. & Cucherousset J. (2020) Stable resource polymorphism along the benthic littoral-pelagic axis in an invasive crayfish. *Ecology and Evolution* 10: 2650 – 2660.
9. Diaz Pauli B., Garric S., Evangelista C., Vøllestad L.A. & Edeline E. (2019) Selection for small body size favours contrasting sex-specific life histories, boldness and feeding in medaka, *Oryzias latipes*. *BMC Evolutionary Biology* 19: 127.
8. Evangelista C., Olden J.D., Lecerf A. & Cucherousset J. (2019) Scale-dependent patterns of intraspecific trait variations in two globally invasive species. *Oecologia* 189: 1083 – 1098.
7. Evangelista C., Cucherousset J. & Lecerf A. (2019) Contrasting ecological impacts of geographically-close invasive populations. *Oecologia* 189: 529 – 536.
6. Závorka L.*, Lang I.*, Raffard A., Evangelista C., Britton J.R., Olden J.D.O & Cucherousset J. (2018) Importance of harvest-driven trait changes for invasive species management. *Frontiers in Ecology and the Environment* 16(6): 317 – 318.
5. Jackson M.*, Evangelista C.*, Zhao T., Lecerf A., Britton J.R. & Cucherousset J. (2017) Between-lake variation in the trophic ecology of an invasive crayfish. *Freshwater Biology* 62: 1501 – 1510.
4. Evangelista C., Lecerf A., Britton J.R. & Cucherousset J. (2017) Resource composition mediates the effects of interindividual variability in nutrient recycling on ecosystem functioning. *Oikos* 126: 1439 – 1450.

3. Lecerf A., Evangelista C., Cucherousset J. & Boiché A. (2016) Riparian overstory-understory interactions and their potential implications for forest-stream linkages. *Forest Ecology and Management* 367: 112 – 119.
2. Evangelista C., Britton J.R. & Cucherousset J. (2015) Impacts of invasive fish removal through angling on population characteristics and juvenile growth rate. *Ecology and Evolution* 5(11): 2193 – 2202.
1. Evangelista C., Boiché A., Lecerf A. & Cucherousset J. (2014) Ecological opportunities and intraspecific competition alter trophic niche specialisation in an opportunistic stream predator. *Journal of Animal Ecology* 83: 1025 – 1034.

Technical reports

- R1 Velle G., Edsman L., Evangelista C., Johnsen S.I., Malmstrøm M., Vrålstad T., de Boer H., Eldegard K., Hindar K., Hole L.H., Järnegren J., Kausrud K., Måren I, Nilsen E.B., Rueness E., Thorstad E.B. & Nielsen A. Assessment of the risk to Norwegian biodiversity from import and keeping of crustaceans in freshwater aquaria. Scientific Opinion of the Panel on Alien Organisms and trade in Endangered Species (CITES) of the Norwegian Scientific Committee for Food and Environment. VKM Report 2021: 02. ISBN: 978-82-8259-356-4

COMMUNICATIONS

International conferences

- C9 Evangelista C., Dupeu J., Sandkjenn J., Diaz Pauli B., Herland A., Meriguet J., Vøllestad L.A. & Edeline E. Size-dependent harvesting modifies the trophic niche of medaka *Oryzias latipes* in a mesocosm experiment, Congress of the European Society for Evolutionary Biology, Turku (Finland), August 2019 – Poster presentation.
- C8 Evangelista C., Lecerf A. & Cucherousset J. The ecological consequences of nutrient-mediated effects caused by intraspecific trophic variability, Symposium for European Freshwater Sciences, Geneva (Switzerland), July 2015 – Oral communication.
- C7 Evangelista C., Lecerf A., Boiché A. & Cucherousset J. The ecological consequences of individual trophic specialisation in human altered ecosystems, International Conference on Applications of Stable Isotope Techniques to Ecological Studies, Brest (France), August 2012 – Oral communication.

National conferences and Seminars

- C6 Ecological response of invertebrate communities to multiple stressors in headwater streams, UC Berkeley, March 2022 – Lab Seminar
- C5 Adaptation to size-selective mortality: from individual to ecosystem. Institut National de recherche pour l'Agriculture, l'Alimentation et l'Environnement (INRAE), Saint-Pée-sur-Nivelle, September 2021 – Lab Seminar (*in French*).
- C4 Ecological ramifications of size-selective mortality: an experimental approach using *Oryzias latipes*. Centre for Ecological and Evolutionary Synthesis (CEES), Oslo (Norway), June 2020 – Lab Seminar.
- C3 Disentangling co-effects of anthropogenic changes on harvested population fitness components. Institut National de la Recherche Agronomique (INRA), Rennes (France), November 2018 – Invited seminar (*in French*).
- C2 Phenotypic variability within an invasive species: ecological causes and consequences. Institut national de recherche en sciences et technologies pour l'environnement et l'agriculture (IRSTEA), Antony (France), March 2017 – Invited seminar (*in French*).

- C1 Evangelista C., Lecerf A. & Cucherousset J. Conséquences écologiques de la spécialisation trophique chez une espèce invasive opportuniste, GdR Invasion Biologique, Rennes (France), Octobre 2014 – National conference (*in French*).

MENTORING & TEACHING

Mentoring

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| 2022 | Tatiana Tronel (MSc), INRAE |
| 2017 – 2018 | Joakim Sandkjenn (MSc), University of Oslo |
| 2017 | Julia Dupeu (BSc), University Paris VI |
| 2015 | Rémi Munier and Aurélie Hérisson (MSc), University Toulouse III |
| 2014 | Laure Vayssette (MSc) and Mélissa Monthouel (BSc), University Toulouse III |

Teaching

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| 2021 – 2023 | Spatial ecology (28h) & Biostatistic (105h), BSc, University of Pau & Pays Adour |
| 2014 | Experimental ecology (20h) & Invertebrate taxonomy (5h), MSc, University Toulouse III |

PEER-REVIEWING

30 articles reviewed since 2016 – Hydrobiologia, Journal of Animal Ecology, Aquatic Ecology, Science of the Total Environment, Canadian Journal of Fisheries and Aquatic Sciences, Evolutionary Applications

RESEARCH GRANT

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| 2023 – 2026 | Beatriu de Pinós fellowship (PI), Government of Catalonia | EURO 168k |
| 2022 – 2023 | Advanced early career research project (co-PI), Iberian Society of Ecology | EURO 4k |
| 2017 | Overseas research grant, Research Council of Norway | NOK 100k / EURO 10k |