

# Mélanie Thierry



## PhD in Community Ecology

### Professional experiences

- 2020 - current** Data manager for the LifeWebs project (host-parasitoid interaction data)
- 2017 - 2021** PhD candidate at the University of South Bohemia and Biology Centre CAS, Czech Republic: Mechanisms structuring host-parasitoid communities in a global warming perspective (Supervisors: Dr Jan Hřčák, Biology Centre CAS and Prof. Owen Lewis, University of Oxford)
- 2020** Erasmus traineeship (2 months) at the German Centre for Integrative Biodiversity Research, Germany: Stability-complexity domain in host-parasitoid networks (Collaborators: Prof. Ulrich Brose, Dr Benoit Gauzens, and Dr Benjamin Rosenbaum)
- 2017 - 2018** Field work (7 months): Collection of live insects in Australia to establish our *Drosophila* -parasitoid system (Collaborator: Dr Megan Higgie, James Cook University, Australia)
- 2016 - 2017** Civic volunteer service (6 months) at Estuaire, France: Dragonflies as indicators of wetlands quality and collection of data for "L'Observatoire des vers luisants" and "L'Observatoire des Bourdons"
- 2016** Volunteer project (4 months) at Cloudbridge Natural Reserve, Costa Rica: Effect of reforestation on bird communities in cloud forests
- 2015** MSc thesis at the French National Institute for Agricultural Research (INRA), France: Effect of local and landscape factors on butterfly communities (DIVA 3 Levana project) (Supervisors: Dr Marie-Lise Benot, Bordeaux University and Dr Inge Van Halder, INRA)
- 2014** Volunteer mission (2 months) at Archelon, Greece: Monitoring of sea turtle population and public awareness
- 2014** MSc project at Nature Midi-Pyrénées, France: Creation of an identification key for the ladybugs (Supervisor: Pierre-Olivier Cochard)
- 2013** Volunteer internship (1 month) at the French Biodiversity Agency, France: Monitoring of the Caroux Espinouse's Bighorn sheep population
- 2012** Volunteer internship (2 months) at the French National Center for Scientific Research of Moulis (CNRS), France: Monitoring of viviparous lizard populations and their dispersal (Supervisor: Dr Virginie Stevens)

### Grants

- 2021** IBERA from the Czech Academy of Sciences (41,105 CZK)
- 2020** Erasmus traineeship fellowship (1,724 EUR)
- 2019** Principal investigator on GAJU grant n°04-134/2019/P: Is the stabilizing effect of parasitoids on host-parasitoid networks reduced under global warming scenarios? (Budget awarded: 129,000 CZK, 1-year-project)

### Selected scientific production

- Thierry M.**, Pardikes N., Lue C-H., Lewis O. & Hřčák, J. (2021) Experimental warming influences species abundances in a *Drosophila* host community through direct effects on species performance rather than altered competition and parasitism. *Plos one* 16 (2), e0245029. DOI: [10.1371/journal.pone.0245029](https://doi.org/10.1371/journal.pone.0245029)
- Thierry M.**, Hřčák J. & Lewis O. (2019) Mechanisms structuring host-parasitoid networks in a global warming context: a review. *Ecological Entomology*. DOI: [10.1111/een.12750](https://doi.org/10.1111/een.12750)
- Van Halder I., **Thierry M.**, ... & Benot, M. L. (2017) Trait-driven responses of grassland butterflies to habitat quality and matrix composition in mosaic agricultural landscapes. *Insect Conservation and Diversity*, 10(1), 64-77. DOI: [10.1111/icad.12200](https://doi.org/10.1111/icad.12200)

### Scientific communication

- 2021** Entomological Society of America International Branch Virtual Symposium: *Beyond pairwise interactions: isolating the direct and indirect interactions that structure a host-parasitoid community* (ePoster)
- 2019** 4th Symposium on Ecological Networks (Paris, France): *Parasitism decreases with increased temperature and structures host-parasitoid networks through host preference and competition between parasitoids* (talk)

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Date of birth: 11/06/1991  
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Driving License (2009)

h-index: 3 / citation: 46  
Reviews: 4

### Languages

French: native

English: TOEFL C1

Spanish: B2 (Volunteering 8 months  
in Latin America)

Czech and German (A1)

### Education

MSc in Ecology and biodiversity  
management (2015)  
Aix-Marseille University, France

BSc in Ecology and biology of  
Organisms (2013)  
Montpellier 2 University, France  
and Bishop's University, Canada  
(CREPUQ exchange)

### Scientific skills

Animal capture and rearing  
Laboratory and field experiments  
Molecular methods  
Statistical analysis (R, CANOCO)  
GIS (ArcGis, QGIS)

### Hobbies

