

# Mélanie Thierry

## PhD in Community Ecology

### Professional experiences

- 2021 - current** Post-doctoral position at Biology Center CAS, Czech Republic
- 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 Hrček, 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 coordination of citizen science projects
- 2016** Volunteer project (4 months) at Cloudbridge Natural Reserve, Costa Rica: Effect of reforestation on bird communities in cloud forests, and mammal survey using camera trapping
- 2015** MSc thesis at the National Research Institute for Agriculture, Food and Environment (INRAE), 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, INRAE)
- 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 Cocharde)
- 2013** Volunteer internship (1 month) at the French Biodiversity Agency, France: Monitoring of bighorn sheep population in the Haut-Languedoc Regional Nature Park
- 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 (~1,620 EUR)
- 2020** Erasmus traineeship fellowship (1,724 EUR)
- 2019** Principal investigator on GAJU grant n°04-134/2019/P (~5,085 EUR, 1-year-project)

### Selected scientific production

- Thierry M., Pardikes N., Rosenbaum B., Ximénez-Embun M.G., & Hrček J. (2022)** The presence of multiple parasitoids decreases host survival under warming, but parasitoid performance also decreases. *Proceedings of the Royal Society B*, 289 (1971), 20220121. DOI : [10.1098/rspb.2022.0121](https://doi.org/10.1098/rspb.2022.0121)
- Thierry M., Pardikes N., Lue C-H., Lewis O. & Hrček, 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., Hrček J. & Lewis O. (2019)** Mechanisms structuring host-parasitoid networks in a global warming context: a review. *Ecological Entomology*, 44 (5), 581-592. DOI: [10.1111/een.12750](https://doi.org/10.1111/een.12750)

### Scientific communication

- 2022** 6th International Symposium on Biological Control of Arthropods (online): Impact of warming on multiple parasitoid effects: consequences for top-down control (oral)
- 2021** 5th Symposium on Ecological Networks (Palma, Spain): Multiple parasitoid species enhance top-down control, but parasitoid performance is context-dependent (oral)
- 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 (oral)

References: Jan Hrček ([janhrcek@gmail.com](mailto:janhrcek@gmail.com)) ; Owen Lewis ([owen.lewis@zoo.ox.ac.uk](mailto:owen.lewis@zoo.ox.ac.uk))



Branišovská 31  
37005 České Budějovice, CZ

@ [melanie.thierry34@gmail.com](mailto:melanie.thierry34@gmail.com)  
melaniethierry.github.io

Date of birth: 11/06/1991  
in Montpellier, France

Driving License (2009)

### Languages

**French:** native

**English:** TOEFL C1

**Spanish:** B2 (Volunteering 8 months in Latin America)

### Education

**MSc in Ecology and biodiversity management (2015)**

Aix-Marseille University, France

**BSc in Ecology and biology of Organisms (2013)**

Montpellier 2 University, France

Bishop's University, Canada (CREPUQ exchange)

### Scientific skills

Laboratory and field experiments

Animal monitoring, capture, rearing

Statistical analysis (R, CANOCO)

GIS (ArcGIS, QGIS)

Molecular methods

### Hobbies

