

# 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 Hrčák, 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 Cochard)

**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-Embún M.G., & Hrčák J. (in prod.) Warming decreases host survival with multiple parasitoids, but parasitoid performance also decreases. Accepted in *Proceedings of the Royal Society B*. **Preprint DOI: 10.1101/2021.08.24.457463**

**Thierry M.**, Pardikes N., Lue C-H., Lewis O. & Hrčák, 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**

**Thierry M.**, Hrčák 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**

### Scientific communication

**2021** 5th Symposium on Ecological Networks (Palma, Spain): Multiple parasitoid species enhance top-down control, but parasitoid performance is context-dependent (talk)

**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)

References: Jan Hrčák (janhrcek@gmail.com) ; Owen Lewis (owen.lewis@zoo.ox.ac.uk)



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

Driving License (2009)

**h-index: 4 / citation: 61**  
**Reviews: 5**

### 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

