



# Mélanie Thierry

## PhD student in Community Ecology

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

Driving License (2009)

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### Languages

French: native

English: fluent (TOFEL B2)

Spanish: intermediate  
(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  
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



### Professional experiences

Since March 2017: PhD thesis

**Mechanisms structuring and stabilizing host-parasitoid networks**, University of South Bohemia and Biology Centre CAS, CZECH REPUBLIC

(Supervisors: Dr Jan HRCEK, Biology Centre CAS and Pr. Owen LEWIS, University of Oxford)

- Collection of live insects in AUSTRALIA (August 2017 to March 2018, collaborator: Dr Megan HIGGIE, JCU)
- Maintenance of the system in laboratory, experiments *in situ* and in laboratory, molecular detection
- Collaboration with Pr. Ulrich BROSE, iDiv, GERMANY (Erasmus traineeship from October to December 2020)

August 2016 - Feb 2017: Civic volunteer service

**Dragonflies as indicators of wetlands quality**, Estuaire, FRANCE

- Species inventory, mapping (GIS), data analysis and report for the region
- Citizen science project development, partner search and application for funding

Feb - June 2016: Volunteer research project

**Effect of reforestation on bird communities in cloud forests**, Cloudbridge, COSTA RICA

- Diurnal and nocturnal bird monitoring
- Habitat mapping (GIS), data analysis, redaction of a report for the reserve

Feb - August 2015: MSc thesis

**Effect of local and landscape factors on butterfly communities (DIVA 3 Levana project)**, The French National Institute for Agricultural Research (INRA), FRANCE

(Supervisors: Dr Marie-Lise BENOT, Bordeaux University and Dr Inge VAN HALDER, INRA)

- Statistical analysis and scientific report for the project
- Floristic data collection *in situ*

Jan - August 2014: MSc project

**Creation of an identification key for the ladybugs**, Nature Midi-Pyrénées, FRANCE

June 2013: Volunteer internship

**Monitoring of the Caroux Espinouse's Bighorn sheep population**, The French National Hunting and Wildlife Agency, FRANCE

June - July 2012: Volunteer internship

**Monitoring of viviparous lizard populations and their dispersal**, The French National Center for Scientific Research of Moulis, FRANCE (Supervisor: Dr Virginie STEVENS)

### Scientific production

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

Lue CH., Buffington ML., ... **Thierry M.**, ... & Hrcek, J. (2021). DROP: Molecular voucher database for identification of *Drosophila* parasitoids. Submitted in *Molecular Ecology Resources*. DOI: [10.1101/2021.02.09.430471](https://doi.org/10.1101/2021.02.09.430471)

**Thierry M.**, Hrcek 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)

Mercier O., ... **Thierry M.**, ... Leriche, A. & Million A. (2017). Pilot study for the establishment of a monitoring protocol for the European Leaf-toed Gecko (*Euleptes europaea*) on the Port-Cros Island. *Scientific Report Port-Cros national Park*, 31: 189-211.

### Grants

BC Grant programme 2021 Sub-program conference. Budget awarded: 41 105 CZK

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 for 2019.

