

Jérôme M. W. Gippet (he/him)

Empirical Animal Ecologist

Postdoctoral researcher
Bacher group, Department of Biology
University of Fribourg, Fribourg, Switzerland

Personal website: jeromegippet.com

Email: jerome.gippet@unifr.ch

Research interests

Animal ecology
Invasion biology
Disease ecology
Biotic interactions
Conservation biology

ORCID: 0000-0002-1952-028X

H index: 13

Total citations: 830

Net academic age: 6y, 8m

Languages: French (native), English (fluent), Spanish (fluent)

EMPLOYMENT

- | | |
|-----------------------|---|
| Aug. 2024 – present | Assistant docteur (postdoc researcher) – Bacher group
Dept of Biology – University of Fribourg, Switzerland |
| Jan. 2019 – Dec. 2023 | Premier Assistant (postdoc researcher) – Bertelsmeier group
Dept of Ecology and Evolution – University of Lausanne, Switzerland |

ADDITIONAL ENGAGEMENT

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| 2017-2018 | International mobility (Costa Rica)
Followed partner's professional relocation while developing research project on wildlife trade and maintaining scientific engagement |
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EDUCATION

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| Sept. 2013 – Dec. 2016 | PhD in Ecology (Supervisors: N. Mondy & B. Kaufmann)
<i>Patterns of distribution, human-mediated dispersal and intraspecific variations in urbanized landscapes: Responses of ants to urbanization</i>
LEHNA – University of Lyon, France |
| Sept. 2011 – June 2013 | MS in Ecology and Evolution
University of Lyon, France |
| Sept. 2007 – Dec. 2010 | BS in Biology of Organisms and Populations
University of Lyon, France |

MANAGERIAL & SUPERVISATORY EXPERIENCE

As of March 2026, I supervised and co-supervised **32 student projects (6 BS, 24 MS and 2 PhD)**. So far, these supervisions have resulted in 8 co-authored publications.

PhD students

- 2024 – **Shengyu Wang** – University Paris-Saclay, FR
Topic: Geographical patterns of invasion risk associated with the pet trade in ants¹
- 2019 – **Noémi Pierre Charrier** – INRAE, Nantes, FR
2020 Topic: Documenting the Northern-most invasion of the Argentine ant in France²

Master students, 2nd year

- 2026 **Maxence Emery** – University of Lyon, FR
Topic: Do microeconomic processes predict invasion risk in the global pet trade?
- 2025 **Irina Casimiro** – University of Lausanne, CH
Topic: Factors influencing the effectiveness of monitoring in Swiss protected areas conserving natural values
- 2023 **Catarina Arvela Cardona** – University of Lausanne, CH
Topic: Understanding temporal changes in commercial parameters in the pet trade in ants
- 2022 **Mattéo Schweizer** – University of Lausanne, CH
Topic: The unintended consequences of current international wildlife trade regulations on invasion and epidemic risks
- 2022 **Ines Moreno** – University of Lausanne, CH
Topic: Factors affecting biodiversity data availability and use in East Africa³
- 2021 **Zoé Sherpa** – University of Lausanne, CH
Topic: Quantifying the global pet trade in invertebrates and associated risks of biological invasions
- 2020 **Aymeric Bonnamour** – University of Lausanne, CH
Topic: Plant and insect invasions follow two waves of globalisation⁴
- 2019 **Lorena George** – University of Lausanne, CH
Topic: Ecological impacts of a new alien ant species in Switzerland
- 2019 **Marc Bastardot** – University of Lausanne, CH
Topic: Identifying priority sites for the conservation of the East-Asian migratory songbirds⁵

Master students, 1st year

- 2024 **Apolline Sevelinge** – University of Lyon, FR
Topic: Comparative study of natural and anthropized habitats favouring the invasive ant *Lasius neglectus*⁶
- 2022 **Catarina Arvela Cardona** – University of Lausanne, CH
Topic: Prediction of commercial success in pet ants based on consumer's preferences, budget and market accessibility

¹ First PhD chapter, co-supervision with I. Jarić & F. Courchamps

² Side project, unrelated to main PhD project

³ Co-supervision with L. Fumagalli and PJ Stephenson

⁴ Co-supervision with C. Bertelsmeier

⁵ Co-supervision with P. Christe & W. Heim

⁶ Co-supervision with B. Kaufmann

- 2021 **Laura Gutierrez** – University of Lausanne, CH
Topic: What ecological, morphological and aesthetical characteristics favour the trade in ants as pets
- 2021 **Clément Mottier** – University of Lausanne, CH
Topic: The repellent effect of *Tapinoma magnum* secretion on other pests such as mosquitoes and bed bugs⁷
- 2020 **Jérémie Moulin** – University of Lausanne, CH
Topic: The giant land snail (*Lissachatina fulica*), a new trendy pet with important risks for public health
- 2020 **Zoé Sherpa** – University of Lausanne, CH
Topic: Risks of invasion associated with the global pet trade in ants
- 2019 **Aymeric Bonnamour** – University of Lausanne, CH
Topic: Combining landscape genetics and numeric simulation to understand how humans disperse invasive species at landscape scale⁸
- 2016 **Baptiste Bunouf & Barthélémy Richoux** – University of Lyon, FR
Topic: Morphologic variation between urban and rural populations of the ant *Lasius niger*
- 2015 **Camille Blain, Tommy Faure-Brac, Django Maurel & Jérémie Monsimet** – University of Lyon, FR
Topic: Impact of urbanization on ant colonies density
- 2014 **Jordan Galli & Sylvestre Rivière** – University of Lyon, FR
Topic: Impact of urbanization on ant communities

Bachelor students, 3rd year

- 2026 **Marion Weber** – University of Fribourg, CH
Topic: Does invasion risk increase with time in the global wildlife trade?
- 2025 **Leila Wyss** – University of Fribourg, CH
Topic: Use of thermal vision and AI to detect grey wolves in Alpine pastures⁹
- 2014 **Elliot Cugnon, Ndèye Licka Dieye & Julie Verrier** – University of Lyon, FR
Topic: Effect of urbanization on foundation success in the urban tolerant ant *Lasius niger*
- 2014 **Fiona Winkler** – University of Lyon, FR
Topic: Prevalence of the alien ectoparasitic fungus *Laboulbenia formicarum* in native and invasive *Lasius* ant species¹⁰

⁷ Co-supervision with J. Isaïa, P. Christe & O. Glaizot

⁸ Co-supervision with C. Rocabert, B. Kaufmann & S. Fenet

⁹ Co-supervision with J. Moulin, E. Say-Sallaz, J-M Odobez & M. Villamizar

¹⁰ Co-supervision with B. Kaufmann

TEACHING

As of March 2026, I totalise **>700 hours of teaching activity at BS and MS levels**, including lectures, practical courses, and evaluations.

Teaching assistant and lecturer 2025-2026 University of Fribourg Total: 118h (half upcoming)	Lecture (10h) SBL.00041 – Organismal biology - Biology of invertebrates (BS)
	Practical courses (4h) SBL.00041 – Observation , sampling and identification of insects (BS)
	Field course (104h) SBL.00205 – From questioning to testing hypotheses in ecological research (MS)
Teaching assistant 2019-2023 (5y) University of Lausanne Total: 409h	Practical courses (251h) Predicting species distribution (MS) Scientific writing (MS) Introduction to data analysis (BS) Botany (BS)
	Evaluation (158h) Master reports (MS) Oral examinations (BS)
Teaching assistant 2013-2016 (3y) University of Lyon Total: 192h	Short lectures (78h) Sustainable development (BS) Biodiversity conservation (BS)
	Practical courses (114h) Behavioural ecology (MS) Organismal (animal) biology (BS) Entomology (BS)

SCIENTIFIC COMMUNICATIONS

2026 Gippet JMW. The global wildlife trade: From species extinction to pathogens transmission. **Invited seminar – Current Topics in Zoology and Evolution seminar series, University of Basel** (Switzerland).

Gippet JMW, Carlson CJ, Klaftenberger T, Schweizer M, Eskew EA, Gore M, & Bertelsmeier C. Wildlife trade drives animal-to-human pathogen transmission over 40 years. **Biology 26 conference** – University of Neuchâtel (Switzerland).

2025 Gippet JMW. Using Artificial Intelligence to mine and interpret digital data: Insights from the wildlife trade. **InvaCulture international workshop** – České Budějovice (Czech Republic).

Gippet JMW, Villamizar M, Odobez J-M, Say-Sallaz E & Moulin J. Harnessing AI for human-wolf coexistence in the Swiss Alps (and beyond). **WWF Impulse Sessions** – Zurich (Switzerland).

2024 Gippet JMW, Carlson CJ, Klaftenberger T, Schweizer M & Bertelsmeier C. The global wildlife trade: from the perspectives of conservation biology and disease ecology. **Invited seminar – Research seminars in Environmental Biology, University of Fribourg** (Switzerland).

Gippet JMW, Schweizer M & Bertelsmeier C. Invasive and zoonotic species predominate in the global wildlife trade. **SFE² 2024 international conference** – Lyon (France).

Gippet JMW & Bertelsmeier C. When pests become pets: invasive species are favoured in the global pet trade. Poster, **IUSSI-Europe 2024 international conference** – Lausanne (Switzerland)

2023 Gippet JMW, Schweizer M & Bertelsmeier C. Invasive and zoonotic species predominate in the global wildlife trade. **TiBE 2023 international conference** – Vila do Conde (Portugal).

Gippet JMW, Sherpa Z, Gutierrez L, Arvela Cardona C & Bertelsmeier C. Les fourmis, de nouveaux animaux de compagnie... envahissants. **IUSSI section française 2023** – Toulouse (France).

Gippet JMW. Socio-ecological traps in the global wildlife trade. **Invited seminar** – **LEHNA seminars, University of Lyon** (France).

2022 Gippet JMW, Sherpa Z & Bertelsmeier C. Are social media data reliable for monitoring emerging pet trades. **INTECOL 2022 international conference** – Geneva (Switzerland).

2021 Gippet JMW & Bertelsmeier C. When pests become pets: invasive species are favoured in the global pet trade. **Invited seminar** – **Biology and diseases of wild animals, Lectures series, University of Zurich** (Switzerland).

2020 Gippet JMW & Bertelsmeier C. Invasiveness increases commercial success in the global pet trade. **Invited seminar** – **Journée suisse des Hyménoptères 2020, Berne** (Switzerland).

2019 Gippet JMW, Keller L & Bertelsmeier C. The online pet trade disperses highly invasive ant species and potential future invaders. **ESA 2019 international conference** – Louisville, Kentucky (USA).

2018 Gippet JMW & Bertelsmeier C. New opportunities for future ant invasions: Global trade in living ants as non-traditional pets. **Invited seminar** – **SLEG seminars, University of Lausanne** (Switzerland).

2016 Gippet JMW, Mondy N, Dumet A, Henri H, Gibert P, Ślipiński P, Pomorski JJ, Kowalewska K, Kaufmann B. Phenotypic shifts between urban and rural conspecifics: Responses to urbanization in the ant *Lasius niger*. Poster, **BioEnviS event** – Lyon (France).

Gippet JMW, Fenet S, Dumet A, Kaufmann B & Rocabert C. MoRIS: Model of Routes of Invasive Spread. Human-mediated dispersal, road network and invasion parameters. **IENE 2016 international conference** – Lyon (France).

2015 Gippet JMW, Dumet A, Mondy N & Kaufmann B. Impact de l'urbanisation sur la composition des communautés de fourmis. **IUSSI-section française 2015** – Tours (France).

Gippet JMW, Rocabert C, Fenet S, Dumet A & Kaufmann B. Modeling human mediated spread at the landscape scale: road network and invasion parameters. The example of the Invasive ant *Lasius neglectus*. **RMA 2015 international conference** – Bordeaux (France).

2014 Gippet JMW, Rocabert C & Kaufmann B. Modéliser la propagation d'origine humaine à l'échelle du paysage : réseau routier et paramètres d'invasion. **Colloque de lancement du GdR InvaBio** – Rennes (France).

TECHNICAL EXPERTISE

Fieldwork & Mapping	Arthropods sampling and identification (multiple methods) Field sampling design Geotagging (GPS/GNSS) GIS (Qgis, ArcGIS)
Lab work & experimentation	Common garden experiments (ants) Behavioural experiments (ants) Morphometry (stereomicroscope) DNA extraction
Data collection, analysis & visualisation	Advanced programming in R and Python Programmatic use of LLMs Digital data mining and processing Compilation & harmonisation of large databases Advanced statistical analysis in R Advanced scientific visualization in R and Python

EDITOR & REVIEWER ROLES

Editorial activity	- Ecology Letters (Data editor)
Manuscripts reviewing (5-10 reviews/year)	- Apidologie - Behavioral Ecology and Sociobiology - Biodiversity and Conservation - Biological Invasions - Conservation Biology - Diversity and Distributions - Ecology Letters - Global Ecology and Conservation - Insect Conservation and Diversity - Insectes Sociaux - Journal of Applied Ecology - Management of Biological Invasions - Methods in Ecology & Evolution - Myrmecological News - Oecologia - One Earth - Scientific Data - Scientific Reports
Reviewing for funding agencies	- Swiss National Science Foundation (SNSF – CH) - BIENVENÛE project (FR) - The Czech Science Foundation (GACR – CZ)

POPULAR SCIENCE & OUTREACH

I maintain regular engagement in public outreach activities, and my research on the global wildlife trade has received recurrent media coverage. From 2020 to 2023, I was part of the cast of the theatre piece *Société en chantier* (Théâtre de Vidy), taking on the role of a myrmecologist in approximately 40 performances and contributing to the communication of scientific concepts to diverse, non-specialist audiences.

Popular science, children (5-13yo)	- Mystères de l'UNIL (Atelier myrmecology) - Lausanne 2019-2021 - Journée Oser tous les Métiers (Atelier myrmecology) – Lausanne 2021-2023
Popular science, all public	- Sauvageons en ville (Urban biodiv. conference, focus on ants) – Lausanne, 2019 - Opération Fourmis (Citizen science tutorial) – Lausanne, 2019 - Climate change awareness-raising – Lausanne, 2021 (3 street events)

Acting

- Theatre piece "Société en Chantier" by Stephan Kaegi – Théâtre de Vidy – French & Swiss tour 2020-2023 – ~40 representations in Clermont-Ferrand, Mulhouse, Lille, Chambéry, Lausanne, Toulouse, Strasbourg, Rennes.
Role: Actor, satiric comparison of ant and human societies

Radio & TV

- RTS television - Temps présent (documentary) – 2021
- RTS radio – CQFD (live radio) – 2021
- RTS radio – La Matinale (interview) – 2023

Press interviews
(non-exhaustive)

- Ouest France (in French, 2015)
- Forbes (online only, 2021)
- Frankfurter Allgemeine Zeitung (in German, 2021)
- The conversation (online only, 2021)
- Natur Magazin (in German, 2023)
- Allez Savoir - UNIL magazine (in French, 2024)
- Libération (in French 2025)
- Vert, Le media (in French 2025)