

# Raphaël Royauté

Researcher

UMR EcoSys, INRAE

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## PROFESSIONAL APPOINTMENTS

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Researcher (2022-current), INRAE, UMR EcoSys, Pôle Sol&Tox, Palaiseau, France

Postdoctoral Researcher (2021-2022), Senckenberg Biodiversity and Climate Research Center, Frankfurt, Germany (Adviser: Thomas Mueller)

Invited Researcher (2019-2020), LMU Munich, Department Biology II (Host: Niels Dingemans)

Postdoctoral Researcher (2014-2019), North Dakota State University, Fargo, (Advisor: Ned Dochtermann)

PhD (2014), McGill University, Montréal, QC, Canada (Advisers : Chris Buddle and Charles Vincent)

Diplôme d'Agronomie Approfondi (2008), École Nationale Supérieure Agronomique de Toulouse, Toulouse, France. (M.Sc. level degree with specialization in Environmental Sciences)

Classes Préparatoires aux Grandes Écoles BCPST (2005), Lycée Thiers, Marseille, France (B.Sc. level degree with specialization in Biology, Chemistry, Physics and Earth Sciences)

## GRANTS AND FUNDING

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- Grants

- ANR JCJC, Eco-Evolutionary dynamics in earthWORMs exposed to pesticide mixtures (EEWORM). Total awarded: 390 k€
- Pari Scientifique INRAE AES. Effets des Pesticides sur les Interaction interspécifiques au sein d'une Chaîne trophique simplifiée (EPIC). Total awarded: 75 k€.(co-PI)
- German Science Foundation. *Density-dependent selection as a driver of life-history and behavioural evolution*. Not funded (PI).
- Bee Challenge Grant. Crowdfunding for summer undergraduate assistant (Experiment.com). *Does insecticide exposure affect solitary bee nesting behavior?* Summer 2017. Total funded: 3.4 k€. (co-PI)
- National Science Foundation (IOS preproposal). *Development, feedback, and maternal effects on behavioral variation*. 2015. Not funded (PI)

- Fellowships

- Margaret Duporte Fellowship, McGill University. 2010-2012. Total awarded: 15.3 k\$.

- Prizes and awards

- Marie Skłodowska-Curie Actions Seal of Excellence for the "ContaminAnts" and "ResiliAnts" proposals, given to proposals with a > 85% score (2016 & 2017)
- York Environment Fellowship Development Award. Travel grant to work on a Marie Curie Fellowship Application at the University of York. 2016. Total awarded: £800.
- Entomological Society of Canada. Graduate Student Showcase. 2013. Total awarded: \$100.
- Entomological Society of Canada President's Prize. Poster presentation runner up. 2013.
- Quebec Center for Biodiversity Sciences Symposium. Best Oral Presentation. 2012. Total awarded: \$350.
- International Society for Behavioural Ecology. Travel grant for presentation of a poster. 2012. Total awarded: 2 k\$

- Entomological Society of Canada President's Prize. Oral presentation runner up. 2011.
- Melville DuPorte Award. Société d'Entomologie du Québec. Best Oral Presentation. 2009. Total awarded: \$200.

PUBLICATION RECORD (ORCID: [0000-0002-5837-633X](https://orcid.org/0000-0002-5837-633X), [Google Scholar](#))

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- 19 Peer-reviewed publications including 10 as lead author
- 4 preprints
- 800 citations
- h-index : 14

#### STUDENT SUPERVISION

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- 1 PhD student (starting October 2023)
- 8 MSc students
- 23 BSc students

#### PROFESSIONAL SERVICE

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- Reviewer journals: *Animal Behavior*, *American Naturalist*, *Behavioural Ecology*, *Behavioural Ecology and Sociobiology*, *Evolution*, *Frontiers in Ecology and Evolution*, *Journal of Evolutionary Biology*, *Methods in Ecology and Evolution*, *Oecologia*, *Oikos*, *Proceedings B.* and *The Journal of Arachnology*.
- NSERC Discovery Grant external reviewer (2023, 1 review)
- Animal Behavior Society: Graduate Student Research Grant Reviewer (2015 & 2016)
- Organization of the "XIèmes Journées TEBIS" on functional traits of soil organisms in Palaiseau (November 2023)
- Organization of the Biodiversity and Behaviour Symposium at the 2012 Entomological Society of Canada Joint Annual Meeting. Edmonton, AB.
- Member of the fundraising committee for the Society for Open and Reliable and Transparent Ecology and Evolutionary Biology (SORTEE) (since 2021)

#### TEACHING EXPERIENCE

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##### Courses

- Department of Biological Sciences;  
North Dakota State University  
Instructor of record: *Animal Behavior* Fall 2014/15
- Department of Natural Resource Sciences; McGill University, Montréal, QC, Canada
  - As a teaching assistant:
    - Teaching Assistant and Guest Lecturer: *Ethology* Fall 2011/12
    - Teaching Assistant: *St Lawrence Ecosystems* Fall 2010