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Ph.D. candidate in Biology — Evolution, Ecology &amp; Behavior

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Indiana University Bloomington, Department of Biology

**Education**

- 2015–present Ph.D. candidate, Evolution, Ecology & Behavior. Co-advisors: Dr. Michael Wade and Dr. Jen A. Lau. Biology Dept., IU Bloomington. GPA: 4/4
- 2010–2013 M.Sc. in Plant Science, Neotropical Environment Option.  
Co-advisors: Dr. Jacquie C. Bede and Dr. Donald M. Windsor.  
McGill U. and Smithsonian Tropical Research Institute. GPA: 4/4
- 2006–2009 B.Sc. in Biology by problem-based learning, specialty in Ecology.  
Advisor: Dr. Yves Mauffette. U. of Québec at Montréal. GPA: 3.96/4.3
- 2003–2006 Baccalauréat in Science, specialty in Life and Earth Sciences.  
National Center for Distance Learning (CNED), Rennes, France.

**Personal information**

Nationalities: Canadian and French.

Languages: English, French, advanced Spanish, and beginner Portuguese &amp; Italian.

**Fellowships, awards and grants**

2019–2020	Doctoral scholarship, Fonds de Recherche du Québec Nature et technologies.	56 000\$
2015–2018	Doctoral scholarship, Natural Sciences and Engineering Research Council.	63 000\$
2015–2018	Doctoral scholarship, Alexander-Graham-Bell NSERC ( <i>declined, Canada only</i> ).	(105 000\$)
2015–2018	Doctoral scholarship, FRQNT ( <i>declined, because award cannot be cumulated</i> ).	(60 000\$)
2015	Short-term fellowship, Smithsonian Tropical Research Institute.	3 000\$
2014–2017	Doctoral scholarship, FRQNT ( <i>declined because non-deferrable</i> ).	(60 000\$)
2014	Young explorer's grant, National Geographic.	5 000\$
2014	Germaine Cousin grant, Entomological Society of France.	1 000€
2012	Travel award for local conference, Macdonald Campus Graduate Student Society.	150\$
2012	Fellow travel award, Smithsonian Tropical Research Institute, Panama.	1 500\$
2012	Graduate excellence fellowship, McGill Plant Science Department.	800\$
2012	Melville-Duporte prize for best student presentation at SEQ conference.	-
2012	Travel award, Office Québec-Amériques pour la jeunesse OQAJ-LOJIQ.	467\$
2011–2012	Master's scholarship, Alexander Graham Bell NSERC.	17 500\$
2011	Graduate excellence fellowship, McGill Plant Science Department.	2 000\$
2011	Graduate Research Enhancement and Travel Awards, McGill.	272\$
2011	Student award, Entomological Society of Quebec.	1 000\$
2010–2011	Master's scholarship, FRQNT.	15 000\$
2010	Recruitment fellowship, F. of Agriculture and Environmental Sciences, McGill.	5 000\$
2010	Recruitment fellowship, Smithsonian Tropical Research Institute, Panama.	2 500\$
2010	Recruitment fellowship, Provost's Graduate, McGill.	1 500\$
2008	Undergraduate Student Research Award, NSERC.	5 625\$
2007	Scholarship for student project, UQAM Science Student's Association.	500\$



## Peer-reviewed publications

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- Dury, G. J.**, A. P. Moczek, D. B. Schwab. (2020) Maternal and larval niche construction interact to shape development, survival, and population divergence in the dung beetle *Onthophagus taurus*. *Evolution & Development* 22 (5), 358–369
- Dury, G. J.**, M. J. Wade. (2020) When mother knows best: a population genetic model of transgenerational versus intragenerational plasticity. *Journal of Evolutionary Biology* 33(1): 127–137.
- Parker, E. S., **G. J. Dury**, A. P. Moczek. (2019) Transgenerational developmental effects of species-specific, maternally transmitted microbiota in *Onthophagus* dung beetles. *Ecological Entomology* 44: 274–282
- Dury, G. J.**, J. C. Bede, D. M. Windsor. (2014) Preemptive circular defence of immature insects: definition and occurrences of cycloaexy revisited. *Psyche*, 2014:13.
- Sekerka, L., D. Windsor, **G. J. Dury**. (2014). *Cladispa* Baly: revision, biology and reassignment of the genus to Spilophorini (Coleoptera: Chrysomelidae: Cassidinae). *Systematic Entomology* 39(3): 518–530.
- Windsor D. M., **G. J. Dury**, F. A. Frieiro-Costa, S. Lanckowsky, J. M. Pasteels. (2013) Subsocial Neotropical Doryphorini (Chrysomelidae, Chrysomelinae): new observations on behavior, host plants and systematics. *In*: Jolivet P., J. Santiago-Blay, M. Schmitt (Eds.) *Research on Chrysomelidae* 4. *ZooKeys* 332: 71–93.

## Other publications

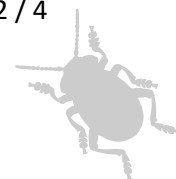
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- Dury, G.** (principal author) and other collaborators. *Chrysidia rhipheus* in *Wikipedia*, considered Featured article [http://en.wikipedia.org/wiki/Chrysidia\\_rhipheus](http://en.wikipedia.org/wiki/Chrysidia_rhipheus)
- Dury G.**, M. Lerclerc. (2015) Les araignées : belles et fascinantes. *Les Explorateurs*, 134:6–8.
- Dury, G.** (2014) Les coccinelles des Açores - Stage LOJIQ dans l'archipel portugais. *Antennae*, 21(3):12–13
- Lerclerc, M., **G. Dury**. (2014) Qui es-tu? Que fais-tu? Insectes. *Les Explorateurs*, 120:18–19
- Dury, G.**, M. Leclerc. (2011) Au pays du scarabée sacré. *Now'ailes*, 21(2):15.
- Dury, G.**, M. Leclerc. (2012) Le monde de Martin Vallières... *Now'ailes*, 22(1):10.
- Bédard, S., F. Desautels, **G. Dury**. (2009). Parasites et allergies. *Le Point Biologique*, 3: 28–33.

## Teaching experience

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| 2021, spring    | Teaching assistant for the course L111 Foundations of Biology given by Dr. Spencer Hall at Indiana University Bloomington.  |
| 2015–present    | Outreach on insects, the life cycle of dung beetles and evolution of mammal skulls in classrooms, at Bug Fest, and at Science Fest in Bloomington, Indiana.   |
| 2018–2020, fall | Teaching assistant for the course B307 Biodiversity given by Dr. E. William Ruf at Indiana University Bloomington.  |
| 2016, fall      | Teaching assistant for the course Z373 Entomology given by Dr. Armin Moczek at Indiana University Bloomington.  |
| 2013, spring    | Teaching assistant for the course GEOG 404 Environmental Management, given by Dr. Thomas C. Meredith of McGill, in Panama.  |
| 2012            | Mentoring of two undergraduate students in molecular techniques, Marc Hersh and Sophie Krolkowski; DNA extraction, PCR and gel extraction, etc.   |
| 2012, spring    | Teaching assistant for the course AGRI 550 Sustainable Tropical Agriculture, given by Dr. Kushalappa Ajjamada of McGill, in Panama. Nomination by professor and students for the T.A. excellence award. |
| 2010, fall      | Teaching assistant for the course FMT Soil Preparation, given by Dr. Caroline Begg at the Natural Resource Department, McGill.  |



## Research experience

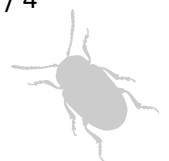
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- 2019, summer Fieldwork in evolutionary biology, collecting eastern subterranean termites (*Reticulitermes flavipes*) at Indiana University Bloomington.
- 2015–2018 Research on, and experience rearing, dung beetles of the genus *Onthophagus*, in Dr. Armin Moczek's laboratory at Indiana University Bloomington.
- 2015, summer Laboratory work in metabolomics at the Smithsonian Tropical Research Institute & Instituto de Investigaciones Científicas y Servicios de Alta Tecnología (INDICASAT), Panama.
- 2014, summer Fieldwork in entomology and metabolomics in French Guiana for National Geographic independent research project on leaf beetle maternal care.
- 2013, fall Internship on lady beetles (*Scymnus interruptus* and *S. nubilis*, Coccinellidae) somatic and reproductive investment, under the supervision of Dr. António Onofre Soares, University of Azores in Portugal.
- 2011, summer Fieldwork in entomology in Panama and Ecuador for master's degree.
- 2010–2012 Laboratory work in molecular techniques for master's degree; DNA extraction, PCR and gel extraction, DNA sequencing, DNA sequence analysis, computer programs for Maximum Likelihood and Bayesian phylogenetic analyses, vector graphics, etc. at McGill University.
- 2008, summer Research internship on the feeding behaviour of the forest tent caterpillar (*Malacosoma disstria*), supervised by Dr. Yves Mauffette at UQAM, with NSERC funding.

## Presentations

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- Dury, G. J.**, D. M. Windsor, J. C. Bede. (2012) Multiple origins of “cycloaexy” in Neotropical leaf beetles inferred from a molecular phylogeny. *In*: Arthropod behaviour and biodiversity symposium at the 2012 annual conference of the Entomological Society of Canada, Edmonton, (AB, Canada), November 3–7.
- Dury, G. J.**, D. M. Windsor, J. C. Bede. (2012) Évolution de défense circulaire de groupe chez des chrysomèles Néotropicales en utilisant une phylogénie moléculaire. *In*: 139th annual conference of the Entomological Society of Quebec, Boucherville (QC, Canada), November 1–2.
- Dury, G.**, J. Bede, D. Windsor. (2011) Evolution of larval aggregation in Neotropical Chrysomeline leaf beetles. *In*: 2011 annual symposium of the Entomological Society of Canada, Halifax, (NS, Canada), November 6–9.
- Dury, G.**, J. Bede, D. Windsor. (2011) Évolution de l'agrégation larvaire et de la cycloaexie chez les chrysomèles Néotropicales (Chrysomelinae). *In*: 138th annual conference of the Entomological Society of Quebec, Orford (QC, Canada), October 13–14.
- Dury, G.**, J. Bede, D. Windsor. (2011) Evolution of larval aggregation in Neotropical Chrysomeline leaf beetles. *In*: NEO 10th annual symposium, Smithsonian Tropical Research Institute, Panama (PA, Panama), August 8th.
- Dury, G.**, F. Lorenzetti, D. Ennis, E. Despland, Y. Mauffette. (2010) Le rôle du sucrose dans les décisions alimentaires d'un insecte herbivore : le cas de la livrée des forêts. *In*: 35th annual symposium of the Quebec Society for the Biological Study of Behaviour (SQÉBEC), Ste-Anne-de-Bellevue (QC, Canada), November 5–7.
- Dury, G.**, H. Trottier, Y. Mauffette. (2009) Le bec sucré de la livrée des forêts (*Malacosoma disstria*). *In*: 136th annual conference of the Entomological Society of Quebec (SEQ), St-Jean-Sur-Richelieu (QC, Canada), November 5–6.



## Posters

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**Dury, G.,** D. Windsor, J. Pasteels, J. Bede. (2014) Defensive toxins of Neotropical chrysomeline beetles better show phylogenetic origin than host-plant associations. *In: SIP 15*, (Neuchâtel, Switzerland), August 17–22.

**Dury, G.,** J. Bede, D. Windsor. (2013) Multiple Origins of “Cycloaexy” in Leaf Beetles (Chrysomelidae: Chrysomelinae) Inferred from a Molecular Phylogeny. *In: Smithsonian Tropical Research Institute fellow symposium, Panama (PA, PA)*, March 15.

## Professional and entomological affiliations

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2011–present Entomological Society of Canada (ESC).  
2009–present Entomological Society of Quebec (SEQ).  
2009–2015 Amateur Entomologist Association of Quebec (AEAQ).  
2008–2012 Quebec Society for the Biological Study of Behaviour (SQÉBEC).  
1993–2015 Friends of the Montreal Insectarium.

## Committees and service

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2020 Co-chair of the EEB Organization Representing Graduate students (EEB ORG) at Indiana University  
2019–present Wildlife rehabilitation volunteer at WildCare Inc.  
2019 Founding member of the EEB ORG at Indiana University.  
2019 Reviewed manuscript submitted to *Ecological Applications*.  
2018–present Proofreading and editing of French abstracts for *The American Naturalist*.  
2018 Student representative on the Web Content committee at the ESC.  
2012–2019 Member of the student committee of the ESC.  
2015–2017 Chair of the Web Content committee at the ESC.  
2017 Reviewed manuscripts submitted to the *ZooKeys* and the *Journal of Ethology*.  
2016 Interim Webmaster for the Entomological Society of Canada (ESC).  
2012–2014 Member of the *ad hoc* committee to revise the mission of the ESC.  
2012 Co-organizer of the symposium on Arthropod Behaviour and Biodiversity at the 2012 annual symposium of the ESC.  
2011–2015 Student representative on the Web Content committee at the ESC.  
2011–2013 Student representative at the Entomological Society of Quebec.  
2011 Member of the organising committee of the 138th annual meeting of the Entomological Society of Quebec.  
2011–2014 Correspondent for the journal *Antennae* at MacDonald campus of McGill University.  
2010–2014 Member of the administrative board of the Friends of the Montreal Insectarium.  
2007–2009 Internal affairs officer for the RÉÉBUQAM (biology student's association at UQAM).  
2009 Member of the organising committee of the 17th edition of the Quebec Interuniversity Biology Games (Biogames).  
2006–2009 Member of the environmental committee of the AESS (Science Sector's Student Association), at UQAM.

## Recommendation letters available upon request

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