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Marc J. Lajeunesse

Professional Appointments

- 2010 – ongoing **Assistant Professor.** Department of Integrative Biology,
University of South Florida. Tampa FL, USA.
- 2008 – 2010 **Post Doctoral Fellow.** National Evolutionary Synthesis Center (NESCent),
Duke University. Durham NC, USA.

Education

- 2008 **Ph.D. (Ecology),** *Cornell University.* Ithaca NY, USA.
(Advisor: Anurag Agrawal)
- 2002 **M.Sc. (w/ Distinction, Biology),** *Carleton University.* Ottawa ON, Canada.
(Advisor: Mark Forbes)
- 2000 **B.Sc. (Honours, Biology),** *Carleton University.* Ottawa ON, Canada.

Publications (total citations: 1118, h-index: 16, i10-index: 18)

Journal Articles & Book Chapters

(chapters marked with *, undergraduate co-authors underlined)

- 2016 **Lajeunesse, M.J.** (2016) Facilitating systematic reviews, data extraction, and meta-analysis with the *metagear* package for R. *Methods in Ecology and Evolution* 7, 323–330.
- Liu, L., Wang, X., **Lajeunesse, M.J.**, Miao, G., Piao, S., Wan, S., Wu, Y., Wang, Z., Yang, S., Li, P. and Deng, M. (2016) A cross-biome synthesis of soil respiration and its determinants under simulated precipitation changes. *Global Change Biology* 22, 1394–1405.
- Janicke, T., Haederer, I.K., **Lajeunesse, M.J.** and N. Anthes. (2016) Darwinian sex roles confirmed across the animal kingdom. *Science Advances* 2, e1500983.
- 2015 **Lajeunesse, M.J.** (2015) Bias and correction for the log response ratio in ecological meta-analysis. *Ecology* 96, 2056–2063.
- Ferguson, A.R., Huber, D.R., **Lajeunesse, M.J.** and P.J. Motta. (2015) Feeding performance of king mackerel, *Scomberomorus cavalla*. *Journal of Experimental Zoology* 323A, 399–413.

- 2015 * **Lajeunesse, M.J** and G. Fox. (2015) Statistical approaches to the problem of phylogenetically correlated data. In G.A. Fox, S. Negrete-Yankelevich, and V.J. Sosa, editors. *Ecological Statistics: Contemporary Theory and Application* (pp. 261–283). Oxford University Press, Oxford, UK.
- 2014 Patel, B.B., Andrade, C.M., **Lajeunesse, M.J.** and Geerken, R. (2014) Unusual finding of an intact moth during routine colonoscopy. *ACG Case Reports Journal* 1, 119.
- 2013 * **Lajeunesse, M.J.** (2013) Power statistics for meta-analysis: test for mean effects and homogeneity. In J. Koricheva, J. Gurevitch, and K. Mengersen, editors. *Handbook of Meta-analysis in Ecology and Evolution* (pp. 348–363). Princeton University Press, Princeton, New Jersey, USA.
- * **Lajeunesse, M.J.** (2013) Recovering missing or partial data from studies: a survey of conversions and imputations for meta-analysis. In J. Koricheva, J. Gurevitch, and K. Mengersen, editors. *Handbook of Meta-analysis in Ecology and Evolution* (pp. 195–206). Princeton University Press, Princeton, New Jersey, USA.
- * **Lajeunesse, M.J.**, Rosenberg, M.R. and Jennions, M.D. (2013) Phylogenetic nonindependence and meta-analysis. In J. Koricheva, J. Gurevitch, and K. Mengersen, editors. *Handbook of Meta-analysis in Ecology and Evolution* (pp. 284–299). Princeton University Press, Princeton, New Jersey, USA.
- * Curtis, P.S., Mengersen, K., **Lajeunesse, M.J.**, Rothstein, H.R. and Stewart, G.B. (2013) Extraction and critical appraisal of data. In J. Koricheva, J. Gurevitch, and K. Mengersen, editors. *Handbook of Meta-analysis in Ecology and Evolution* (pp. 52–60). Princeton University Press, Princeton, New Jersey, USA.
- * Lortie, C.J., Lau, J. and **Lajeunesse, M.J.** (2013) Graphical presentation of results. In J. Koricheva, J. Gurevitch, and K. Mengersen, editors. *Handbook of Meta-analysis in Ecology and Evolution* (pp. 339–347). Princeton University Press, Princeton, New Jersey, USA.
- * Schmid, C.H., Stewart, G.B., Rothstein, H.R., **Lajeunesse, M.J.** and Gurevitch, J. (2013) Software for statistical meta-analysis. In J. Koricheva, J. Gurevitch, and K. Mengersen, editors. *Handbook of Meta-analysis in Ecology and Evolution* (pp. 174–194). Princeton University Press, Princeton, New Jersey, USA.
- 2012 Chamberlain, S.A., Hovick, S.M., Dibble, C.J., Rasmussen, N.L., Van Allen, B.G., Maitner, B.S., Ahern, J.R., Bell-Dereske, L.P., Roy, C.L., Meza-Lopez, M., Carrillo, J., Siemann E., **Lajeunesse, M.J.** and Whitney K.D. (2012) Does phylogeny matter? Assessing the impact of phylogenetic information in ecological meta-analysis. *Ecology Letters* 15, 627–636.
- Parker, J.D., Burkepile, D.E., **Lajeunesse, M.J.**, and Lind, E.M. (2012) Phylogenetic isolation increases plant success despite increasing susceptibility to generalist herbivores. *Diversity and Distributions* 18, 1–9.
- Parachnowitsch, A.L. and **Lajeunesse, M.J.** (2012) Adapting with the enemy: local adaptation in plant–herbivore interactions. *New Phytologist* 193, 294–296.
- Robinson, S.A., **Lajeunesse, M.J.** and Forbes, M.R. (2012) Sex differences in mercury contamination of birds: testing multiple hypotheses with meta-analysis. *Environmental Science & Technology* 46, 7094–7101.

- 2011 **Lajeunesse, M.J.** (2011) On the meta-analysis of response ratios for studies with correlated and multi-group designs. *Ecology* 92, 2049–2055.
- Carmona, D., **Lajeunesse, M.J.** and Johnson, M.T.J. (2011) Plant traits that predict resistance to herbivores. *Functional Ecology* 25, 358–367.
- Lajeunesse, M.J.** (2011) *phyloMeta*: a program for phylogenetic comparative analyses with meta-analysis. *Bioinformatics* 27, 2603–2604.
- 2010 **Lajeunesse, M.J.** (2010) Achieving synthesis with meta-analysis by combining and comparing all available studies. *Ecology* 91, 2561–2564.
- 2009 Garamszegi, L.Z., Calhim, S., Dochtermann, N., Hegyi, G., Hurd, P.L., Jørgensen, C., Kutsukake, N., **Lajeunesse, M.J.**, Pollard, K.A., Schielzeth, H., Symonds, M.R.E. and Nakagawa, S. (2009) Changing philosophies and tools for statistical inferences in behavioral ecology. *Behavioral Ecology* 20, 1363–1375.
- Lajeunesse, M.J.** (2009) Meta-analysis and the comparative phylogenetic method. *American Naturalist* 174, 369–381.
- 2008 Agrawal, A.A., **Lajeunesse, M.J.** and Fishbein, M. (2008) Evolution of latex and its constituent defensive chemistry in milkweeds (*Asclepias*): a phylogenetic test of plant defense escalation. *Entomologia Experimentalis et Applicata* 128, 126–138.
- 2007 **Lajeunesse, M.J.** (2007) Ectoparasitism of damselflies by water mites in Central Florida. *Florida Entomologist* 90, 643–649.
- 2006 Beirinckx, K., Van Gossum, H., **Lajeunesse, M.J.** and Forbes, M.R. (2006) Sex biases in dispersal and philopatry: insights from a meta-analysis based on capture–mark–recapture studies of damselflies. *Oikos* 113, 539–547.
- Johnson, M.T.J., **Lajeunesse, M.J.** and Agrawal, A.A. (2006) Additive and interactive effects of plant genotypic diversity on arthropod communities and plant fitness. *Ecology Letters* 9, 24–34.
- Note: Ranked 'Exceptional' by the Faculty of 1000.**
- 2004 **Lajeunesse, M.J.**, Forbes, M.R. and Smith, B.P. (2004) Species and sex biases in ectoparasitism of dragonflies by mites. *Oikos* 106, 501–508.
- 2003 **Lajeunesse, M.J.** and Forbes, M.R. (2003) Variable reporting and quantitative reviews: a comparison of three meta-analytical techniques. *Ecology Letters* 6, 448–454.
- Lajeunesse, M.J.** and Forbes, M.R. (2003) A comparison of structural size and condition in two female morphs of the damselfly *Nehalennia irene* (Hagen) (Zygoptera : Coenagrionidae). *Odonatologica* 32, 281–287.
- 2002 **Lajeunesse, M.J.** and Forbes, M.R. (2002) Host range and local parasite adaptation. *Proceedings of the Royal Society of London, Series B.* 269, 703–710.

Currently In Review

- In review Wallace, B., Dietz, G., **Lajeunesse, M.J.**, Dahabreh, I.J., Schmid, C.H., Trikalinos, T.A. and J. Gurevitch. OpenMEE: Intuitive, open-source software for meta-analysis in ecology and evolutionary biology.

In review

Brace, A.J., **Lajeunesse, M.J.**, Ardia, D.R., Hawley, D.M., Adelman, J.S., Buchanan, K.L., Fair, J.M., Grindstaff, J.L., Matson, K.D. and L.B. Martin. Life history and body mass drive costs of immune response.

Richardson, J.C. and **M.J. Lajeunesse**. Exploring historic shifts in body size among invasive and native *Anolis* lizards.

Rúa, M.A., Antoninka, A., Antunes, P.M., Chaudhary, V.B., Gehring, C., Lamit, L.J., Piculell, B.J., Bever, J.D., Zabinski, C., Meadow, J.F., **Lajeunesse, M.J.**, Milligan, B.G., Gardes, M., Karst, J., and J.D. Hoeksema. Home-field advantage? Evidence of local adaptation among plants, soil, and mycorrhizal fungi through meta-analysis.

Software Development

2015 **Lajeunesse, M.J.** *metagear*. An R package for facilitating systematic reviews, data extraction, and meta-analysis. Released 05/20/15.

Summary. Functionalities for facilitating systematic reviews, data extractions, and meta-analyses. It includes a GUI (graphical user interface) to help screen the abstracts and titles of bibliographic data; tools to assign screening effort across multiple collaborators/reviewers and to assess inter-reviewer reliability; tools to help automate the download and retrieval of journal PDF articles from online databases; automated data extractions from scatter-plots; PRISMA (Preferred Reporting Items for Systematic Reviews and Meta-Analyses) flow diagrams; simple imputation tools to fill gaps in incomplete or missing study parameters; generation of random effects sizes for Hedges' *d*, log response ratio, odds ratio, and correlation coefficients for Monte Carlo experiments; covariance equations for modelling dependencies among multiple effect sizes (e.g., effect sizes with a common control); and finally summaries that replicate analyses from widely used but no longer updated meta-analysis software.

Source code, manual, and binaries are freely available on:

Vignette: http://lajeunesse.myweb.usf.edu/metagear/metagear_basic_vignette.html

CRAN: <http://cran.r-project.org/web/packages/metagear/index.html>

GitHub: <https://github.com/cran/metagear>

2013 **B. Wallace, J. Gurevitch, and M.J. Lajeunesse.** *OpenMEE*. Open-source, cross-platform software for ecological and evolutionary meta-analysis. Released 11/9/13.

Summary. *OpenMEE*: Open Meta-analyst for Ecological and Evolutionary Biology aims to address the need for advanced, easy-to-use software for meta-analysis and meta-regression. *OpenMEE* has a cross-platform easy-to-use graphical user interface (GUI) that provides researchers entrance to the broad and diverse advanced statistical functionalities offered in R, without requiring knowledge of R programming. *OpenMEE* offers a suite of advanced meta-analysis and meta-regression methods for synthesizing continuous and categorical data, including meta-regression with multiple covariates, phylogenetic analyses, simple missing data imputation, and other options. *OpenMEE* also supports data importing and exporting, graphing of data and estimation results, and summary table generation.

Source code, manual, and Windows and Macs versions are freely available on:

Host website: <http://www.cebm.brown.edu/openmee/>

GitHub: <https://github.com/gdietz/OpenMEE>

- 2011 **Lajeunesse, M.J.** *phyloMeta*. Open-access software for phylogenetically-independent meta-analysis. Released 05/12/11.
- Summary.** *phyloMeta* is an easy to use console program for integrating phylogenetic information into meta-analysis. It is designed to help ecologists, evolutionary biologists and conservation biologists analyze effect size data extracted from published studies in a comparative phylogenetic context. This software estimates phylogenetic versions of all the traditional meta-analytical statistics used for: pooling effect sizes with weighted regressions; evaluating the homogeneity of these effect sizes; performing moderator tests akin to ANOVA style analyses; and analyzing data with fixed- and random-effects models. *phyloMeta* is developed in C/C++ and can be used via command line in MS Windows environments.
- Source code, manual, and software are freely available on:**
- Host website and download: <http://lajeunesse.myweb.usf.edu/publications.html>
 GitHub: <https://github.com/NESCent/phyloMeta>
 For use in R: <http://recology.info/2011/04/phyloMeta-from-r-udpate/>

Research Funding & Service

Grants

- In review National Science Foundation, Division of Environmental Biology, Population and Community Ecology: “Preliminary Proposal: Global Climate Change and Research Synthesis: An Overhaul and Retooling of Meta-Analysis for Biotic Impacts of Global Warming” (PI: M.J. Lajeunesse). NSF Proposal: 1532387.
- National Science Foundation, Macrosystems: “Collaborative Research: MSB-FRA: Global climate change, phenological shifts, and effects on species interactions across scales” (PI’s: J. Rohr and A. Dell, co-PI: M.J. Lajeunesse). NSF Proposal: 1638655.
- 2016 College of Arts & Sciences Office of Research and Scholarship Equipment Grant, *University of South Florida* (PI: M.J. Lajeunesse; **Total awarded: \$3,950 US**).
- 2014 National Science Foundation, Division of Environmental Biology, Population and Community Ecology: “Workshop to advance theory and use of meta-analysis in ecology in the U.S. and China” (PI: M.J. Lajeunesse; **Total awarded: \$94,202 US**). NSF DEB-1451031.
- 2013 National Science Foundation, Division of Biological Infrastructure, Advances in Biological Informatics: “Collaborative Research: ABI Development: Making Advanced Statistical Tools Accessible for Quantitative Research Synthesis and Discovery in Ecology and Evolutionary Biology”. PI’s: Marc J. Lajeunesse (*USF*), Jessica Gurevitch (*Stony Brook*), and Byron Wallace (with Co-PI’s: Christopher H. Schmid and Thomas A. Trikalinos at *Brown University*, Center for Evidence Based Medicine). **Total awarded: \$901,638 US (\$193,890 US to Lajeunesse)**. NSF ABI-1262545.
- awarded in 2008, 2009, and 2010 National Evolutionary Synthesis Center, Postdoctoral Research Grant, \$5,000 US (**total awarded: \$15,000**; declined 3rd year of funding)
- awarded in 2007 and 2006 *Cornell University*, School of Graduate Studies Travel Grant, \$600 US in 2007, and \$200 US in 2006 (**total awarded: \$800**)
- 2006 Andrew W. Mellon Student Research Grant, College of Agriculture and Life Sciences, *Cornell University*, **\$1,200 US**
- awarded in 2006 and 2005 Department of Ecology and Evolutionary Biology, Summer Research Grant, *Cornell University*, \$618 US in 2006, and \$500 US in 2005 (**total awarded: \$1,118**)

- 2005 National Science Foundation, IGERT, Small Research Grant in Biogeochemistry and Environmental Biocomplexity, *Cornell University*, **\$2,000 US**
- 2005 Sigma XI (Cornell Chapter) Research Support Grant, **\$600 US**

Invited Pre-proposals

- 2013 NSF DEB, Population and Community Ecology: “Preliminary Proposal: Global Climate Change and Research Synthesis: An Overhaul and Retooling of Meta-Analysis for Biotic Impacts of Global Warming” (PI: M.J. Lajeunesse)

Invited Review Panels

- 2015 *National Science Foundation*, Advances in Biological Informatics Panel
- 2006 NSF IGERT review committee member for the graduate-student Biogeochemistry and Environmental Biocomplexity research grants (*Cornell University*)

Awards

Fellowships & Scholarships

- 2008 National Evolutionary Synthesis Center Postdoctoral Fellowship (*Duke University*, Durham NC), 2008 to 2011, \$119,000 US (declined 3rd year of funding)
- 2008 National Sciences and Engineering Research Council of Canada (NSERC) Postdoctoral Scholarship, 2008 to 2010, \$80,000 CND (declined)
- 2003 Natural Sciences and Engineering Research Council of Canada (NSERC), Postgraduate Scholarship B, 2003 to 2005, \$42,000 CND (declined 2nd year)
- Natural Sciences and Engineering Research Council of Canada (NSERC), University of Toronto Fellowship, \$2,500 CND
- Kathleen & Donald Strong Hull Fellowship (*University of Toronto*), \$5,900 CND
- Ontario Graduate Student Postgraduate Scholarship (OGS), 2003 to 2005, \$30,000 CND (declined)

Travel Awards

- 2007 American Society of Naturalists, Graduate Student Travel Award, \$800 US
- 2002 Canadian Society of Zoologists Travel Award, \$200 CND

Other Awards

- 2006 Teaching Award for “Persistent Dedication in Facilitating the Cornell University Teaching Assistant Development Workshops” (Centre for Learning and Teaching, *Cornell University*), \$100 US
- 2002 University Medal for Outstanding Graduate Work – Master’s Level, *Carleton University*
- Note: Only one medal is awarded at each convocation ceremony (when merited) to a graduating student for outstanding academic achievement.**
- 2000 Award for best B.Sc. Honours Thesis poster in Dept. Biology undergraduate symposia (*Carleton University*), \$150 CND

Invited Workgroups & Seminars

Research Workgroups (* indicate currently active workgroups)

- under review *Centre de synthèse et d'analyse sur la biodiversité (CESAB)* workgroup on “Global Evaluation of the Impacts of Storms on freshwater Habitat and structure of phytoplankton Assemblages” lead by O. Anneville (INRA: National Institute of Agronomic Research). **M.J. Lajeunesse** as *Statistical Development* project leader. Aix-en-Provence, France.
- 2013– 2015 *National Evolutionary Synthesis Center (NESCent)* workgroup on “Advancing knowledge of evolutionary and ecological immunology” lead by C. Kelly (Université du Québec à Montréal). Durham, NC.
- 2012– 2015 *National Evolutionary Synthesis Center (NESCent)* workgroup on “Working group to solve problems in model selection and phylogeny in mixed multi-factor meta-analysis” lead by J. Hoeksema (*University of Mississippi*) and J. Bever (*Indiana University*). Durham, NC.
- 2006– 2008 *National Center for Ecological Analysis and Synthesis (NCEAS)* workgroup on “Meta-analysis in Ecology: Lessons, Challenges and Future” lead by J. Koricheva (*Royal Holloway University of London*) and J. Gurevitch (SUNY, *Stony Brook*). Santa Barbara, CA. Note: see our website <http://www.nceas.ucsb.edu/meta>

Invited Seminars (* indicate symposia talks)

- 2016 **Lajeunesse, M.J.** *Stony Brook University*, Department of Ecology and Evolution. Stony Brook, NY,.
- 2015 **Lajeunesse, M.J.** *University of South Florida*, Department of Integrative Biology. Tampa, FL.
- 2013 * **Lajeunesse, M.J.** Among species variation: causes and consequences, Research coordination network in eco-immunology (NCNE, NSF Collaborative Network meeting). Blossin, Berlin.
- * **Lajeunesse, M.J.** SRSM 2013 (Society for Research Synthesis Methods Annual Meeting). *Brown University*. Providence, RI.
- Lajeunesse, M.J.** *University of Central Florida*, Department of Biology. Orlando, FL.
- Lajeunesse, M.J.** *University of South Florida*, Department of Global Health. Tampa, FL.
- 2011 **Lajeunesse, M.J.** *Rice University*, Department of Ecology and Evolutionary Biology. Houston, TX.
- 2010 **Lajeunesse, M.J.** *University of South Florida*, Department of Integrative Biology. Tampa, FL.
- Lajeunesse, M.J.** *The National Evolutionary Synthesis Center*. Durham, NC.
- 2009 **Lajeunesse, M.J.** *The National Evolutionary Synthesis Center*. Durham, NC.
- 2008 **Lajeunesse, M.J.** *Cornell University*, Department of Ecology and Evolutionary Biology. Ithaca, NY.

- 2008 * **Lajeunesse, M.J.** *International Society for Behavioral Ecology* (Ithaca, NY).
Symposia: Advances in statistical philosophy and experimental design in behavioural ecology.
- * **Lajeunesse, M.J.** *Tree Thinking Symposia*, 2008. Ithaca, NY.
- 2006 **Lajeunesse, M.J.** *Laurentian University*, Biology Department. Sudbury, ON
- 2005 **Lajeunesse, M.J.** *Laboratory of Ornithology, Cornell University*. Ithaca, NY
- 2002 **Lajeunesse, M.J.** *Carleton University*, Department of Biology. Ottawa, ON.

Teaching & Mentoring Qualifications

(for course syllabi see: <http://lajeunesse.myweb.usf.edu/teaching.html>)

Undergraduate Course Instruction (* indicate graduate courses)

Spring/2015,
Fall/2013, Fall/2012,
and Fall/2011

Parasitology (BSC 4933 034), *University of South Florida*. An upper-level (senior) course about the diversity, ecology, and evolution of parasites.

Student Evaluations on Overall Rating of the Instructor			
Semester/year	Lajeunesse	Department Average	College Average
Spring/2015	4.78/5.0 (20 evals from 65 students)	4.2/5.0	4.2/5.0
Fall/2013	4.6/5.0 (38 evals from 89 students)	4.1/5.0	4.1/5.0
Fall/2012	4.96/5.0 (41 evals from 62 students)	4.2/5.0	4.2/5.0
Fall/2011	4.92/5.0 (42 evals from 70 students)	4.1/5.0	4.1/5.0

Spring/2014

* ***Research Synthesis and Meta-analysis*** (BSC 6932 055), *University of South Florida*. A graduate-level course about how to devise, collect data, analyse published research.

Student Evaluations on Overall Rating of the Instructor			
Semester/year	Lajeunesse	Department Average	College Average
Spring/2014	4.8/5.0 (3 evals from 7 students)	4.2/5.0	4.2/5.0

Fall/2013, Fall/2012,
and Fall/2011

Parasitology Lab (BSC 4933 036), *University of South Florida*. An upper-level (senior) laboratory course exploring the diversity and ecology of parasites.

Fall/2013	5.0/5.0 (1 evals from 6 students)	4.1/5.0	4.1/5.0
Fall/2012	4.99/5.0 (17 evals from 18 students)	4.1/5.0	4.1/5.0
Fall/2011	4.79/5.0 (15 evals from 17 students)	4.35/5.0	4.33/5.0

Fall/2015,
Fall/2014,
Spring/2013, and
Spring/2012

Medical and Applied Entomology (BSC 4933 049), *University of South Florida*. An upper-level (senior) course about the diversity of insect, the diseases they vector, and their management.

Fall/2015	4.89/5.0 (12 evals from 34 students)	4.2/5.0	4.1/5.0
Spring/2014	4.83/5.0 (6 evals from 14 students)	4.1/5.0	4.1/5.0
Fall/2013	4.6/5.0 (37 evals from 83 students)	4.1/5.0	4.1/5.0
Spring/2012	4.97/5.0 (30 evals from 46 students)	4.49/5.0	4.33/5.0

Spring/2016 and
Spring/2011

BIO II: Biological Diversity (BSC 2011), *University of South Florida*. The main intro-bio (freshman) course that surveys biological systems at the organismal level: focusing on evolution, speciation, history of life, diversity and ecology.

Spring/2016	TBA		
Spring/2011	4.8/5.0 (70 evals from 117 students)	4.2/5.0	4.2/5.0

Spring/2008 and
Spring/2006

Evolutionary Biology – Writing in the Majors, *Cornell University*. A senior-level satellite course for students enrolled in *Evolutionary Biology* that focused on developing writing skills in evolution. Students enrolled: 12 (Spring/2008) and 17 (Spring/2006).

Invited Teaching Workshops Organized

June 25-26, 2015

American Society of Naturalists (ASN) Short Workshop: Introduction to Meta-Analysis and Systematic Reviews, 2015. Guarujá, Brazil. Co-Instructed with Jessica Gurevitch (*SUNY Stony Brook*).

Note: This is an ASN sponsored workshop offered prior to the *Evolution 2015* conference in Guarujá, Brazil. Participants: 11.

See: http://lajeunesse.myweb.usf.edu/ASN_workshop_2015.html

May 11–14, 2014

Introduction to Meta-analysis in Ecology and Evolutionary Biology: CESAB Summer Course 2014. Aix-en-Provence, France. Co-Instructed with Jessica Gurevitch (*SUNY Stony Brook*).

Note: CESAB is the French center for biodiversity analysis and synthesis (the French equivalent to NCEAS). Participants: 24.

June 5–10, 2009

An Introduction to Meta-analysis in Ecology and Evolutionary Biology: NESCent Summer Course 2009. Durham, NC. Co-Instructed with Jessica Gurevitch (*SUNY Stony Brook*) and Kerrie Mengersen (*University of Queensland*).

Note: Participants included 15 graduate students, 5 postdocs, and 4 profs.

Other Small Workshops and Teaching Modules Organized

May 4–9, 2009

Meta-analysis: a primer. Odonatology workshop. Seili, Finland. Sponsored by University of Turku and Academy of Finland. Co-Instructor with Mark Forbes (*Carleton University*).

Note: I mostly developed the teaching material for this workshop and was not involved in its instruction.

Feb. 2008,
Sept. and Jan. 2007,
Aug. 2006

Graduate Student Professional Development Workshop (College of Agriculture and Life Sciences, *Cornell University*). Co-ordinating microteaching scenarios (filming teaching assistants during class) and analysis of teaching for new TA's across all biology related departments.

Mar. 2007

Teaching Assistant Development Workshop (Centre for Learning and Teaching, *Cornell University*). Gave a workshop on: “Dealing with students during office hours”

Sept. 2007

Teaching Assistant Development Workshop (Centre for Learning and Teaching, *Cornell University*). Gave a workshop on: “Facilitating learning in the laboratory”.

Sept. 2006

Graduate Student Development Workshop (Centre for Learning and Teaching, *Cornell University*). Gave a workshop on: “Managing stress and achieving balance”.

Spring/2004 *C++ for Biologists, Programming Workshop (University of Toronto)*. Taught and mentored 7 graduate students in the Departments of Zoology and Botany on C/C++.

Skill Development in Undergraduate Education

- 2006 *Internship in Education (EDUC 620, Dept. of Education, Cornell University)*. A fifteen-week course on learning and applying constructivist models for teaching undergraduates (supervised by David Way).
- 2006 *Writing in the Majors Teaching Seminar (WRIT 701, John S. Knight Institute for Writing in the Disciplines, Cornell University)*. A six-week course on teaching strategies in advanced writing instruction of undergraduates (supervised by Keith Hjortshoj).
- 2005 *Graduate Student Professional Development Workshop (College of Agriculture and Life Sciences, Cornell University)*. Attended a five day workshop on microteaching analysis and criticism.

Graduate Students Supervised

Daniel Zydek, Ph.D. (expected graduation Aug. 2017)
Nicholas Ogburn, Ph.D. (expected Aug. 2018)
Meredith Kraus, M.S. (expected Aug. 2017)

Graduate Student Committees

Brittany Sears, Ph.D. (2014)
Neal Halstead, Ph.D. (2015)
Amber Brace, Ph.D. candidate (expected 2015)
Jeremy Cohen, Ph.D. candidate (expected 2016)
Nicole Ortega, Ph.D. candidate (expected 2016)
Christy Foust, Ph.D. candidate (expected 2016)
Jason Richardson, Ph.D. candidate (expected 2018)

Undergraduate Honors theses Supervised

2013/2014 Cara Bocon, Thomas Koster
2012/2013 Amy Davis, Khaled Matar
2011/2012 Jamie Hodes

Undergraduate Research Credit Supervised

2015-ongoing Bryan MacNeill, Justin Zloty, Lauren Grant
2013/2014 Derek Curtiss, Polsha Jules, Payal Patel
2012/2013 Michael Cox, Alison Giron, Polsha Jules, Jason Richardson, Kristen Burton, Morgan Rodney, Maria Rodriguez, Juliana Bruner, Bionqua Lynch, Kelsey Mikolajczyk, David Toro, Derek Curtiss, Nalani Rothrock, Jessica Fox, Lindsay Impemba, Tiffany Agius
2011/2012 Brandon Larkin, Joshua Wright, Jamie Hodes, Sejada Kastrati, Justin Pizza, Jason Richardson
2010/2011 Zahira Babwani

SCHOLARLY SERVICE

Conference Presentations and Posters (posters indicated with * and undergraduate researchers underlined)

- 2016 Zydek, D.J. and **Lajeunesse, M.J.** *ESA Ecology Conference 2016*. Fort Lauderdale, FL, USA. [AUGUST 12, 2016]
- Krauss, M. and **Lajeunesse, M.J.** *ESA Ecology Conference 2016*. Fort Lauderdale, FL, USA. [AUGUST 12, 2016]
- * MacNeill, B. and **Lajeunesse, M.J.** *ESA Ecology Conference 2016*. Fort Lauderdale, FL, USA. [AUGUST 12, 2016]
- * Zloty, J. and **Lajeunesse, M.J.** *USF Undergraduate Research and Arts Colloquium*. Tampa, FL, USA.
- MacNeill, B. and **Lajeunesse, M.J.** *USF Undergraduate Research and Arts Colloquium*. Tampa, FL, USA.
- 2015 **Lajeunesse, M.J.** *Evolution 2015*. Guaruja, Brazil.
- Zydek, D.J. and **Lajeunesse, M.J.** *Evolution 2015*. Guaruja, Brazil.
- Ogburn, N. and **Lajeunesse, M.J.** *Evolution 2015*. Guaruja, Brazil.
- Rúa, V.A., Antoninka, A., Antunes, P.M., Chaudhary, V.B. Gehring, C., Lamit, L.J., Piculell, B.J., Bever, J., Zabinski, C., Meadow, J.F., **Lajeunesse, M.J.**, Milligan, B., Gardes, M., Karst, J. and Hoeksema, J.D. *8th International Conference on Mycorrhiza (ICOM)*. Flagstaff, AZ, USA.
- Hoeksema, J.D., Bever, J.D., Chakraborty, S., Chaudhary, V.B., Housworth, E.A., Kaonongbua, W., **Lajeunesse, M.J.**, Meadow, J.F., Milligan, B., Piculell, B.J., Rúa, M.A., Umbanhowar, J., Viechtbauer, W. and Zee, P.C. *8th International Conference on Mycorrhiza (ICOM)*. Flagstaff, AZ, USA.
- * Zydek, D.J. and **Lajeunesse, M.J.** *USF's 7th Annual Graduate Student and Post-Doctorate Research Symposium*. Tampa, FL, USA.
- * MacNeill, B. and **Lajeunesse, M.J.** *13th Annual Raymond N. Castle Student Research Conference*. Tampa, FL, USA.
- * Zloty, J. and **Lajeunesse, M.J.** *USF Undergraduate Research and Arts Colloquium*. Tampa, FL, USA.
- * MacNeill, B. and **Lajeunesse, M.J.** *USF Undergraduate Research and Arts Colloquium*. Tampa, FL, USA.
- 2014 * Bocon, C. and **Lajeunesse, M.J.** *USF Undergraduate Research and Arts Colloquium*. Tampa, FL, USA.
- * MacNeill, B. and **Lajeunesse, M.J.** *USF Undergraduate Research and Arts Colloquium*. Tampa, FL, USA.

Note: Bryan MacNeill won the Best Use of Research Literature Award for this poster presentation.

- 2014 Hoeksema, J.D., Bever, J.D., Chakraborty, S., Chaudhary, V.B., Housworth, E.A., Kaonongbua, W., **Lajeunesse, M.J.**, Meadow, J.F., Milligan, B., Piculell, B.J., Rúa, M.A., Umbanhowar, J., Viechtbauer, W. and Zee, P.C. *ESA Ecology Conference*. Sacramento, CA, USA.
- 2013 Richardson, J.C. and **Lajeunesse, M.J.** *36th Annual Florida Herpetology Conference*. Gainesville, FL, USA.
- 2011 **Lajeunesse, M.J.** *Evolution 2011*. Norman, OK, USA.
- 2009 **Lajeunesse, M.J.** *Evolution 2009*. Moscow, ID, USA.
- 2007 **Lajeunesse, M.J.** *Evolution 2007*. Christchurch, New Zealand.
- 2007 Forbes M.R., Robb, T., **Lajeunesse, M.J.** and Smith, B.P.. *XIth International Congress of Acarology*. Amsterdam, Netherlands.
- 2006 **Lajeunesse, M.J.** and Forbes, M.R. *XIth International Congress of Parasitology*. Glasgow, Scotland.
- Lajeunesse, M.J.** *Evolution 2006*. Stony Brook, LI, USA.
- 2005 **Lajeunesse, M.J.** *ESA Ecology Conference*. Montreal, QC, Canada.
- Lajeunesse, M.J.** *29th Annual Ontario Ecology & Ethology Colloquium*. Ottawa, ON, Canada.
- 2004 **Lajeunesse, M.J.** *ESA Ecology Conference*. Portland, OR, USA.
- Lajeunesse, M.J.** *28th Annual Ontario Ecology & Ethology Colloquium*. Mississauga, ON, Canada.
- * **Lajeunesse, M.J.** *Gordon research conference: plant–herbivore interactions*. Ventura, CA, USA.
- 2002 **Lajeunesse, M.J.** and Forbes, M.R. *Canadian Society of Zoologists Annual Meeting, 2002*. Lethbridge, AB, Canada.
- Lajeunesse, M.J.** and Forbes, M.R. *26th Annual Ontario Ecology & Ethology Colloquium*. Kingston, ON, Canada.

Ad hoc Reviewer (since 2010)

American Naturalist, Axios Review, Bioinformatics, Ecology, Ecology Letters, Ecosphere, Ecological Monographs, Evolution, Frontiers in Ecology and the Environment, Functional Ecology, Journal of Ecology, Methods in Ecology and Evolution, Molecular Ecology, Nature Climate Change, NSF grant reviews (DEB and DBI), Oecologia, Oikos, PLOS One, Science, Science of the Total Environment, Sinauer Associates (Inc., Publishers)

OUTREACH

- 2014 Faculty mentor and poster presentation judge for USF's *12th Annual Undergraduate Research Symposium and Celebration* (Tampa, FL).
- 2013 Presenter for the *Great American Teach-in 2012* at Alafia Elementary (Valrico, FL).
- 2011 Faculty mentor and poster presentation judge for USF's *9th Annual Undergraduate Research Symposium and Celebration* (Tampa, FL).

- 2010 Member of the organizational committee for *Darwin Day 2010* public open house. Co-sponsored by NESCent and the N.C. Museum of Natural Sciences. (Raleigh, NC).
- 2009 Society for the Study of Evolution and the Society of Systematic Biologists *Undergraduate Diversity Mentorship* of two undergraduates attending the *Evolution 2009* conference. Moscow, ID.
- 2007 Organized a three-week outreach course on insect diversity for a first-grade class in Fall Creek Elementary as part of the *Graduate Student School Outreach Project* (GSSOP, *Cornell University*).
- 2006 Presenter of plant-insect interactions display during the 3rd Annual Insectapalooza (*Department of Entomology* public open house, *Cornell University*).
- 2000, 2001, 2002, 2003 Presenter of parasitism and entomology research during the '00, '01, '02 and '03 *Queen's University Biological Station* public open house (Chaffey's Locks, ON).