

**Miguel Gómez Llano**

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**Professional Appointments**

Feb 2020 – Postdoctoral fellow. Department of Biological Sciences, University of Arkansas  
Jan 2018 – Postdoctoral researcher. Department of Biology, Lund University  
Apr 2017 – Visitor researcher. Department of Natural Sciences, Manchester Metropolitan University

**Education**

2018 – Ph.D. Organismal and Evolutionary Biology. The University of Manchester  
2013 – M.Sc. Ecology. Autonomous University of Madrid  
2009 – B.A. Biology. National Autonomous University of Mexico (UNAM)

**Published Articles**

- Svensson, E., Gomez-Llano, M. and J. Waller. 2020. Natural and sexual selection on phenotypic plasticity favour thermal canalization. *PNAS* 117 (47): 29767-29774
- Gomez-Llano, M., Scott, E., and Svensson, E. The importance of pre- and postcopulatory sexual selection in adaptation to increasing temperatures. *In press Current Zoology*
- Gomez-Llano, M., Narasimhan, A., and Svensson, E. 2020. Parasites load reveal condition-dependent sexual selection for local adaptation in the wild. *The American Naturalist* 196(3)  
\*Invited to talk about this research in “Explein mi” radio show
- Gomez-Llano, M. and B. Velarde. 2019. Environmental public policies and citizenship. *In: Citizenship and Environment in Mexico*. El Colegio de la Frontera Norte.  
\*Book chapter in spanish
- Svensson, E., Goedert, D., Gomez-Llano, M., Spagopoulou, F., Nava-Bolaños, A., and Booksmythe, I. 2018. Sex differences in local adaptation: what can we learn from reciprocal transplant experiments? *Phil. Trans. R. Soc. B* 373: 20170420
- Gomez-Llano, M., Bench, H. and Svensson, E. 2018. Ecology relaxes sexual conflict: heterospecific males reduce sexual harassment and increase female survival. *Evolution* 72(4): 906-915
- Svensson, E., Gomez-Llano, M., Bench, H. and Rivas, A. 2018. Frequency dependence opposes ecological drift in spite of niche similarity of interaction species. *The American Naturalist* 191(6): 691-703  
\*Highlighted in ‘Science Daily’

Gomez-Llano, M., Navarro-López, E. & Gilman, T. (2016). The coevolution of sexual imprinting by males and females. *Ecology and Evolution* 6(19): 71131-7125

Llusia, D., Gomez, M., Penna, M. & Márquez, R. 2013. Call Transmission Efficiency in Native and Invasive Anurans: Competing Hypotheses of Divergence in Acoustic Signals. *PloS ONE*, 8(10): e77312

#### **Submitted Articles (manuscript available upon request)**

Gomez-Llano, M., Germain, R., Kyogoku, D., McPeck, M. and A. Siepielski. When ecology fails: sexual selection as a species coexistence mechanism. *In review in TREE*

#### **Articles in Preparation (manuscript available upon request)**

Gomez-Llano, M., Nilén, S., Moodie, I. and E. Svensson. Sexual conflict promotes species coexistence by causing negative frequency dependence and rare species advantage. Target journal: *Nature Ecology and Evolution*

#### **Grants & Awards**

2019 - British Ecological Society. Travel grant (\$650)

2018 - Royal Physiographen Society. Research grant (\$17,000)

2018 - Olle Engqvist Byggmästare Foundation. Postdoctoral scholarship (\$62,300). Granted to PI

2013 - National Environmental Research Council (UK). Doctoral training studentship (\$66,580). Granted to PI

2009 - Dr. Gustavo Baz Prada. National Autonomous University of Mexico Award

#### **Teaching and Mentoring**

Mentoring	Aaditya Narasimhan. <i>Indian institute of Science Education and Research</i> . 2019. Now PhD student in Monash University Eve Scott. <i>The University of Manchester</i> . 2019. Now Masters student in Sheffield University Iain Moodie. <i>University of Stirling</i> . 2019. Now Masters student in Groningen University. Sofié Nilén. <i>Lund University</i> . 2018. Now Master student in Lund University Hanna Bensh. <i>Lund University</i> . 2017. Now PhD student in Kalmar University Rory Beresford. <i>The University of Manchester</i> . 2016. Now PhD student in Lisbon University
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Teaching Assistant	<i>Field course in Alpine ecology and animal behaviour</i> . The University of Manchester. 2017
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*Animal behaviour South Africa field course.* The University of Manchester. 2015-2017

*Experimental design module.* The University of Manchester. 2016

*Developmental Biology.* The University of Manchester. 2014-2016

## **Presentations**

Invited talks	University of Valencia. 2020 Manchester Metropolitan University. 2017
Talks	American Naturalist stand-alone annual meeting. 2021 Lund University. 2018 ESEB. 2017 British Ecological Society Annual Meeting. 2016 Lund University. 2015
Posters	ESEB. 2019 Talking Evolution, Max Plank Institute for Evolutionary Biology. 2018 Evolution in Sweden. 2016 Postgraduate conference, University of Manchester. 2015 ESEB. 2015

## **Working Groups and Professional Service**

Working group	European Society for Evolutionary Biology Special Topic Network: Linking Local Adaptation and Sex Differences ( <i>Coordinated by Hanna Kokko, Florence Debarre, Tim Connallon and Erik Svensson</i> )
Workshops	Using phylogenetic trees to study trait evolution and perform comparative analyses. Lund University. 2018 Evolution of Mating Systems. Konnevesi Research Station, University of Jyväskylä. 2014 Introduction to mathematical modelling for the environmental and biological sciences. University of Stirling. 2014
Editor	Proceedings of the Royal Society: B. (Preprint Editorial Office)
Grant reviewer	British Ecological Society
Foreign abstract editor.	The American Naturalist
Reviewer	Evolution, Proc. R Soc. B, Journal of Evolutionary Biology, Journal of Animal Ecology, OIKOS, Ecology and Evolution, Animal Behaviour, Ecological Research
Courses	Using Geiger, Phytools, and other Computational Tools to Study Macroevolution on Phylogenies. Transmitting science. 2018 Advancing in statistical modelling for evolutionary biologists and ecologists using R. PR Statistics. 2017