GASTÓN IGNACIO JOFRE RODRÍGUEZ

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## Education

**2012-Present**

International Graduate student in Biology, Texas A&M University, College Station.

**2017**

College Classroom Teaching: Integration of Research, Teaching, and Learning, Center for the Integration of Research Teaching and Learning (CIRTL), Texas A&M University.

**2006-2012**

Bachelor of Science in Biology, Faculty of Sciences, National Autonomous University of Mexico (UNAM), Mexico City, Mexico. *Thesis:* Fight motivation and force assessment in hermit crabs, *Calcinus californiensis,* occupying different shell types.

## Academic positions

**2018, 2019-date**

NSF research assistant, Texas A&M University.

**2012-2017**

CONACyT fellow, at Texas A&M University.

**2013-2019 (Spring semesters)**

Teaching Assistant for Animal Physiology Biol 388. Texas A&M University.

**2012-2018 (Fall semesters)**

Teaching Assistant for Chordate Anatomy Biol 318. Texas A&M University.

**2017 (Summer semester)**

Teaching Assistant for Integrated Human Anatomy and Physiology Biol 320. Texas A&M University.

## Awards and Fellowships

**May 2019**. Lawrence S. Dillon Distinguished Graduate Student Award in the Biological Sciences, Texas A&M University, Department of Biology.

**June 2012**.National Council of Science and Technology (CONACyT), Mexico, Graduate Research Fellowship.

**June-2013.** Rosemary Grant Award for Graduate Student Research, Society for the Study of Evolution (SSE), US.

**May 2015**. Student Research Grant, Animal Behavior Society (ABS).

**February-2016**. Dr. Anand Narayanan International student award, Texas A&M University, Department of Biology.

**October-2016.** Second place poster in the category of Sex and Gender Studies at the Second Annual Symposium Sex in the Post-Genome Era, Texas A&M Institute for Genome Sciences and Society (**TIGSS**).

## Publications

Alcaraz, G. and Jofre, G.I. *Aggressiveness compensates for low muscle strength and metabolic disadvantages in shell fighting: an outcome of the individual's past*. Behavioral Ecology and Sociobiology, 2017. **71**: 87.

Jofre, G.I. M. Schumer, P. Andolfatto, G.G. Rosenthal. *Genome-wide patterns of introgression across clinal hybrid zones in swordtails (Teleostei: Xiphophorus).* In prep.

Jofre, G.I., G.G. Rosenthal. *Outlier analysis in genomic studies of admixed populations: a simulation-based evaluation.* In prep.

**Presentations at International Meetings**

G.I. Jofre Rodríguez, M. Schumer, P. Andolfatto, G.G. Rosenthal, Genome-wide patterns of introgression across clinal hybrid zones in swordtails (Teleostei: Xiphophorus), 8th Conference of Poeciliid Biologists, Mexico City, Mexico. September, 2019

G.I. Jofre Rodríguez, M. Schumer, P. Andolfatto, G.G. Rosenthal, Genome-wide patterns of introgression across clinal hybrid zones in swordtails (Teleostei: Xiphophorus), Society for the Study of Evolution (**SSE**), Providence, RI. June 2019.

G.I. Jofre Rodríguez**,** Genomic techniques to analyze selection in natural hybrid swordtails. Genomics symposium, 3th Latin-American Ichthyology Symposium. Morelia, Mexico. November 2014.

**January-2014**

G.I. Jofre Rodríguez, R. Cui, M. Schumer, P. Andolfatto, G.G. Rosenthal, 2014 Sexual selection and trait introgression across a natural swordtail hybrid zone (Teleostei: *Xiphophorus*). Poster presented at the Society for Integrative and Comparative Biology (**SICB**), Austin, TX.

**March-2014**

G.I. Jofre Rodríguez, R. Cui, M. Schumer, P. Andolfatto, G.G. Rosenthal, 2014 Sexual selection and trait introgression across a natural swordtail hybrid zone (Teleostei: *Xiphophorus*). Ecological Integration Symposium. College Station, TX.

**August-2014**

G.I. Jofre Rodríguez, R. Cui, M. Schumer, P. Andolfatto, G.G. Rosenthal, 2014 Sexual selection and trait introgression across a natural swordtail hybrid zone (Teleostei: *Xiphophorus*). Poster presented at Animal Behavior Society (**ABS**), Princeton, NJ.

**July-2016**

G. I. Jofre Rodríguez, J. C. Blazier, A. Sedghifar, M. Schumer, P. Andolfatto, G.G. Rosenthal, 2016, Signatures of introgression in replicated natural hybrid zones, Poster presented at the Society for the Study of Evolution **(SSE)**, Austin, TX.

**October-2016**

G. I. Jofre Rodríguez, J. C. Blazier, A. Sedghifar, M. Schumer, P. Andolfatto, G.G. Rosenthal, 2016, Signatures of introgression in replicated natural hybrid zones, Poster presented at Sex in the Post-Genome era, College Station, TX.

**Academic organizations**

Society for the Study of Evolution
Animal Behavior Society

**Synergistic activities**

**2011-2012**

Ecological camping guide for elementary schools; “Grupo Vivir”, Mexico City, Mexico.

**2013- 2017**

Treasurer of the Ecology and Evolutionary Biology Student Organization (EEBISO). Texas A&M University.

**2019-date**

Executive Director for the Environmental development, Ecosystems, and Prevention of Cruelty to Animals. 2G Human Development. Mexico City, Mexico.

**2012-date**

Jornada de Ciencia y Desarrollo, STEM curriculum developer and teacher.

**Other skills and experiences**

**Spoken Languages**

Spanish, English, Italian

**August-2007**

Certified SCUBA diver by the Mexican Federation of Subaquatic Activities (FMAS), Acapulco-Mexico City, Mexico.

**June-2009**

Certified as Emergency Medical Technician by “Urgemed” Mexico City, Mexico.

**October-2015**

Wilderness First Aid training, Texas A&M University.