Daniel **Estévez-Barcia**

Population Genetics Researcher

Greenland Institute of Natural Resources

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I am a resourceful, organized, and critical population geneticist and evolutionary biologist. My career has given me good skills in communication, science writing, project development and learning capacity.

Projects

Ecologic speciation with gene flow: evolution of preference during mating in simpatry

University of Vigo

Funding: Ministry for Economy and Competitiveness, Government of Spain

February 2015 –> July 2016

- Role: PhD researcher

Greenland halibut and coastal societies (NORSUSTAIN)

Greenland Institute of Natural Resources

Funding: Nordic Council of Ministers

October 2019 –> December 2022

- Role: researcher

Peer-reviewed Publications

1. Estévez, D., Galindo, J., & Rolán-Alvarez, E. (2021). Negative frequency-dependent selection maintains shell banding polymorphisms in two marine snails (Littorina fabalis and Littorina saxatilis). *Ecol. Evol.*, *February*, 6381–6390. https://doi.org/10.1002/ece3.7489
2. Estévez, D., Kozminsky, E., Carvajal-Rodríguez, A., Caballero, A., Faria, R., Galindo, J., & Rolán-Alvarez, E. (2020). Mate Choice Contributes to the Maintenance of Shell Color Polymorphism in a Marine Snail via Frequency-Dependent Sexual Selection. *Front. Mar. Sci.*, *7*(December), 1–15. https://doi.org/10.3389/fmars.2020.614237
3. Ng, T. P. T., Rolán-Alvarez, E., Dahlén, S. S., Davies, M. S., Estévez, D., Stafford, R., & Williams, G. A. (2019). The causal relationship between sexual selection and sexual size dimorphism in marine gastropods. *Anim. Behav.*, *148*, 53–62. https://doi.org/10.1016/j.anbehav.2018.12.005
4. Estévez, D., Ng, T. P. T., Fernández-Meirama, M., Voois, J. M., Carvajal-Rodríguez, A., Williams, G. A., Galindo, J., & Rolán-Alvarez, E. (2018). A novel method to estimate the spatial scale of mate choice in the wild. *Behav. Ecol. Sociobiol.*, *72*(12). https://doi.org/10.1007/s00265-018-2622-3
5. Fernández-Meirama, M., Estévez, D., Ng, T. P. T., Williams, G. A., Carvajal-Rodríguez, A., & Rolán-Alvarez, E. (2017). A novel method for estimating the strength of positive mating preference by similarity in the wild. *Ecol. Evol.*, *7*(9), 2883–2893. https://doi.org/10.1002/ece3.2835
6. Rolán-Alvarez, E., Carvajal-Rodríguez, A., Coo, A. de, Cortés, B., Estévez, D., Ferreira, M., González, R., & Briscoe, A. D. (2015). The scale-of-choice effect and how estimates of assortative mating in the wild can be biased due to heterogeneous samples. *Evolution (N. Y).*, *69*(7), 1845–1857. https://doi.org/10.1111/evo.12691
7. Rolán-Alvarez, E., Saura, M., Diz, A. P., Rivas, M. J., Alvarez, M., CortéS, B., Coo, A. de, Estévez, D., & Iglesias, L. (2012). Can sexual selection and disassortative mating contribute to the maintenance of a shell color polymorphism in an intertidal marine snail? *Curr. Zool.*, *58*(3), 463–474. https://doi.org/10.1093/czoolo/58.3.463

Other Publications

1. Nogueira, A., & Estévez-Barcia, D. (2020). *Results for Greenland halibut survey in NAFO Divisions 1C-1D for the period 1997-2017, and 2019* (p. 40). Northwest Atlantic Fisheries Organization.

Activity as referee

Ethology, Ecology and Evolution

ISSN: 0394-9370

Aquaculture International

ISSN: 0967-6120

Hydrobiologia

ISSN: 0018-8158

Molecular Ecology

ISSN: 0962-1083

Superior Education

BSc Biology — *University of Vigo*

Subjects: Evolution; Physics; Mathematics; Chemistry; Geology; Soil Science; Basic field techniques; Basic laboratory techniques; Statistics; Biochemistry; Botany; Zoology; Microbiology; Histology; Cytology; Genetics; Clinical Analysis and Diagnose; Biodiversity Management; Animal Production; Microbial Production; Quality Management; Project Design and Execution; Community Ecology; Genes and Evolution; Biological Enhanced Skill Training; Molecular Biology of the Gene; Conservation Biology; Principles of Animal Physiology; Ocean Biology; Science and the Media; Degree Project. Qual. 7.7/10

07/2013

MSc Marine Biology — *Bangor University*

Subjects: Marine Ecology Skills; Marine Fisheries; Habitat Ecology/Coastal Survey; Marine Vertebrates; Marine Invertebrates; Research Design & Planning; Research Project/Dissertation. Qual. 8.4/10

07/2014

PhD on Marine Science, Technology and Management — *University of Vigo*

Result: First class qualification

05/2018

Training

Workshop on Genomics — *Cesky Krumlov, Czech Republic*

International assembly of experts

01/2018

- 39 hours

Molecular approaches, methods and techniques in animal ecology — *Donosti, Spain*

University of the Basque Country

07/2017

- 30 hours

Presentations in Congresses and Symposia

Poster: A protected polymorphism for shell colour in a natural population of a marine snail — *Congress of the European Society for Evolutionary Biology, Lausanne, Switzerland*

European Society for Evolutionary Biology

08/2015

Presentation: Un polimorfismo protegido en poblaciones naturales de Littorina fabalis (Turton, 1825) — *V congreso de la SESBE, Murcia, Spain*

Spanish Society of Evolutionary Biology

01/2016

Presentation: Frequency dependent sexual selection is contributing to the colour polymorphysm maintenance in the marine snail Littorina fabalis (Turton, 1825) — *International Symposium of Littorinid Biology and Evolution, Stromstad, Sweden*

Centre for Marine Evolutionary Biology, University of Gothenburg

08/2017

Poster: Mechanisms for genetic variation maintenance in the intertidal snail Littorina fabalis (Turton, 1825) — *Congress of the European Society for Evolutionary Biology, Groningen, The Netherlands*

European Society for Evolutionary Biology

08/2017