

FLORENCIA GRATTAROLA

Postdoc Researcher

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BIO

I am a Uruguayan biologist (PhD) doing research in macroecology and biodiversity informatics. Currently, I am a post-doc researcher at the Czech University of Life Sciences at the [MOBI Lab](#), focused on the study of spatial and temporal patterns of biodiversity. I am also the founder of [Biodiversidata](#) (Uruguayan Consortium of Biodiversity Data), a member of the [JULANA NGO](#), the admin for [NaturalistaUY](#) (the iNaturalist site for Uruguay), and a [NatGeoExplorer](#).

EDUCATION

2013 – 2017	Ph.D., Life Sciences Evolution and Ecology Research Group, School of Life Sciences. Dissertation: Biodiversity informatics and macroecological patterns of biodiversity: Uruguay as a model region. Advisor: Daniel Pincheira-Donoso	University of Lincoln, United Kingdom
2013 – 2015	M.Sc., Biological Sciences (Genetics) Department of Biodiversity and Genetics, Clemente Estable Biological Research Institute. Dissertation: Contributions of molecular ecology to the study of mammals in Uruguay. Advisors: Susana González and Mariana Cosse	Universidad de la República, Uruguay
2006 – 2012	B.Sc. (Hons), Biological Sciences Department of Biodiversity and Genetics, Clemente Estable Biological Research Institute. Advisor: Mariana Cosse	Universidad de la República, Uruguay

PROFESSIONAL EXPERIENCE

04/2021 – present	Postdoc Range dynamics of Neotropical carnivores in the MOBI Lab, Department of Spatial Sciences.	Czech University of Life Sciences (Czech Republic)
01/2021 – 04/2021	Intern Knowledge Management internship in the Conserving Land and Seascapes Team	UN Environmental Programme - World Conservation Monitoring Centre (Cambridge, UK)
08/2018 – 12/2020 part time	Demonstrator Demonstrating for courses of Zoology, Paleontology, and Biological Anthropology at the School of Life Sciences	University of Lincoln (Lincoln, United Kingdom)
01/2017 – 07/2017 part time	Project Manager Co-coordination of the project 'Conservation in private protected areas of Uruguay'	Vida Silvestre NGO (Montevideo, Uruguay)
11/2016 – 03/2017	Research Assistant Bioinformatics and genomics at the Department of Animal Genetics, School of Veterinary	Universidad de la República (Montevideo, Uruguay)
10/2016 – 11/2016	Field Assistant Sampling plots of vascular plants for the project 'Rural Futures'	Technische Universität Berlin (Uruguay)
11/2015 – 10/2016 part time	Technician Livestock pedigree data management	Rural Association of Uruguay (Montevideo, Uruguay)
11/2015 – 10/2016 part time	Research Assistant Bioinformatics and comparative genomics of Salmonella at the Institute of Hygiene, School of Medicine	Universidad de la República (Montevideo, Uruguay)
01/2012 – 12/2015	Research Assistant Research and teaching at the Department of Biodiversity and Genetics	Clemente Estable Biological Research Institute (Montevideo, Uruguay)
05/2012 – 04/2014 part time	Teaching Assistant Organization of outreach activities at the Extension Unit, School of Science	Universidad de la República (Montevideo, Uruguay)

PEER-REVIEWED ARTICLES

12. Pincheira-Donoso D., Harvey L.P., Grattarola F., Winter M., Jara M., Cotter S.C., Tregenza T. & Hodgson D.J. (2021) The multiple origins of sexual size dimorphism in global amphibians. **Global Ecology and Biogeography**, 30(2): 443-458. [link]
11. Grattarola F., Martínez-Lanfranco, J.A., ... & Pincheira-Donoso D. (2020) Multiple forms of hotspots of tetrapod biodiversity and the challenges of open-access data scarcity. **Scientific Reports**, 10(1): 1-15. [link]
10. Grattarola F., Mai, P., ... & Pincheira-Donoso D. (2020) Biodiversidata: A novel dataset for the vascular plant species diversity in Uruguay. **Biodiversity Data Journal**, 8: e56850. [link]
9. Grattarola F. & Rodríguez-Tricot L. (2020) Mammals of Paso Centurión, an area with relicts of Atlantic Forest in Uruguay. **Neotropical Biology and Conservation**, 15(3): 267-283. [link]
8. D'Alessandro B., Pérez Escanda V., Balestrazzi V., Grattarola F., ... & Betancor L. (2020) Comparative genomics of *Salmonella enterica* serovar Enteritidis ST-11 isolated in Uruguay reveals lineages associated with particular epidemiological traits. **Scientific Reports**, 10: 3638. [link]
7. Grattarola F., Botto, G., ... & Pincheira-Donoso D. (2019) Biodiversidata: an open-access biodiversity database for Uruguay. **Biodiversity Data Journal**, 7: e36226. [link]
6. Grattarola F. & Pincheira-Donoso D. (2019) Data-sharing in Uruguay, the vision of collectors and data users. **Boletín de la Sociedad Zoológica del Uruguay**, 28(1): 1-14. [link]
5. Bergós L., Grattarola F., Barreneche J.M., Hernández D., & González S. (2018) Fogones de Fauna: an experience of participatory monitoring of wildlife in rural Uruguay. **Society & Animals**, 26(2), 171-185. [link]
4. Chouhy M., Santos C., Gaucher L., Grattarola F., ... & Perazza, G. (2017) At the frontiers of knowledge: the quest for an integral training course on society-nature. **Integralidad Sobre Ruedas**, 4(1): 62-77. [link]
3. Cosse M., Grattarola F. & Mannise N. (2017) A novel real-time TaqMan™PCR assay for simultaneous detection of Neotropical fox species using noninvasive samples based on cytochrome C oxidase subunit II. **Mammal Research**, 62(4): 405-411. [link]
2. Grattarola F., Hernández D., ... & Rodríguez-Tricot R. (2016) First record of jaguarundi (*Puma yagouaroundi*) (Mammalia: Carnivora: Felidae) in Uruguay, with comments about participatory monitoring. **Boletín de la Sociedad Zoológica del Uruguay**, 25(1): 85-91. [link]
1. Grattarola F., Cosse M. & González S. (2015) A novel primer set for mammal species identification from feces samples. **Conservation Genetic Resources**, 7: 57-59. [link]

GRANTS, FUNDING

2022	Capacity Enhancement Support Programme	Global Biodiversity Information Facility (GBIF)
	£14,000 Project 'Extending knowledge on biodiversity data quality and publication in the Spanish-speaking community' CESP2021-007 [link]	
2021 – 2022	Citizen Science for Species Discovery Grant	National Geographic Society
	£25,000 Project 'Naturalista UY – The iNaturalist community for Uruguay' (Uruguay)	
2019	College of Science Grant for Postgraduate Students	University of Lincoln
	£750 Attend the conference 'Biodiversity Next' (Leiden, The Netherlands)	
2019	Travel Grant for Postgraduate Students	University of Lincoln
	£500 Attend the course 'Advancing in statistical modelling for evolutionary biologists and ecologists using R' (Glasgow, Scotland)	
2018	Mobility Fund for Postgraduate Research Students	Santander - University of Lincoln
	£500 Deliver the 'First meeting of the members of Biodiversidata' (Montevideo, Uruguay)	
2018	Travel Grant for Early Career European Researchers & Scientists	Research Data Alliance (RDA)
	£1,500 Attend the '11th RDA Plenary Meeting' (Berlin, Germany)	
2017 – 2020	Ph.D. International Fellowship	National Agency for Research and Innovation (ANII)
	£49,000 Postgraduate Fellowship POS_EXT_2016_1_136663 (Lincoln, United Kingdom)	
2017	Travel Grant for Postgraduate Students	Centro Brasileiro-Argentino de Biotecnologia (CBAB/CABBIO)
	£1,800 Attend the Course 'Bioinformatics Tools for RNA-Sequence Data Analysis' at Laboratório Nacional de Computação Científica (Petrópolis, RJ, Brasil)	

2015	Internship Grant for Postgraduate Students Association of Universities of the Montevideo Group (AUGM) £1,500 Internship stay at the Laboratório de Biodados, Universidade Federal de Minas Gerais (UFMG) (Belo Horizonte, Brazil)
2013	Internship Grant for Postgraduate Students PEDECIBA (PEDECIBA) £1,500 Internship stay at Bioinformatics at the Department of Biochemistry and Molecular Biology, University of Mississippi (Starkville, United States)
2013 – 2015	Postgraduate National Fellowship National Agency for Research and Innovation (ANII) £8,500 Postgraduate Fellowship POS_NAC_2012_1_8976 (Montevideo, Uruguay)
2012	Travel Grant Latin American Network for Conservation Genetics (REGENEC) £1,500 Attend the 'VIII Genetic Workshop for Conservation: new tools and new concepts' (Chillán, Chile)
2012	Mobility Grant Association of Universities of the Montevideo Group (AUGM) £2,000 A semester at Universidade Estadual de Jaboticabal (UNESP) (Jaboticabal, SP, Brazil)
2011 – 2012	Postgraduate National Fellowship National Agency for Research and Innovation (ANII) £2,000 Initiation in Research Fellowship BE_INI_2010_1961 (Montevideo, Uruguay)

STUDENTS

Enzo Cavalli, BSc (Honours) in Biological Sciences, School of Science, **Universidad de la República**. Project: 'Effects of livestock on the mammal community of Paso Centurión, Cerro Largo'. Advisor, finished in 2019.

Rodrigo Montiel, BSc (Honours) in Biological Sciences, School of Science, **Universidad de la República**. Project: 'Biodiversity informatics and community science in Uruguay'. Advisor, ongoing.

LECTURING

2017 – 2019 two editions	Modern Mammals School of Science, Universidad de la República (Uruguay) Lecture in the graduate course of Palaeontology, for 15-20 students. Invited by Dr. Richard Fariña. [link to slides]
2018	Management and analysis of camera trap records using R Ministry of Environment (Uruguay) Course for NGOs, researchers and government people. Taught together with Juan M. Barreneche and Gabriel Perazza. [link to syllabus]
2016 – 2017 two editions	Introduction to Python Universidad de la República, Uruguay Lecture at posgraduate course 'Introduction to command line and programming for bioinformatic analysis', for 25-30 students in Biological Sciences. Invited by Dr. Andris Iriarte. [link to syllabus]
2013 – 2017 four editions	Relationships between Society and Nature Universidad de la República, Uruguay Graduate course for 10-20 students of Anthropology, Biology, Geography and Social Sciences. Taught together with Carlos Santos, Javier Taks, Magdalena Chouhy, Andrea Garay, Lucía Bergós and Gabriel Perazza. [link to S&N Group]
2014	Conservation biology, environmental education and community involvement Universidad de la República, Uruguay Lecture at posgraduate course 'Conservation biology' for 15-20 students in Biological Sciences. Invited by Dr. Susana González.
2014	Introduction to Biology Universidad de la República, Uruguay Discussion group for the course Introduction to Biology School or 15-20 undergraduate students of Biological Sciences. Taught together with Dr. Juan Cristina.

SERVICE FOR JOURNALS

Biodiversity Data Journal.
Global Ecology and Biogeography
Journal of Biogeography

CITATION METRICS

Google Scholar (04/2022)
75 citations, h-index = 5

ACADEMIC MEMBERSHIPS

2021 – International Biogeography Society.
2020 – GBIF Biodiversity Open Data Ambassador.
2019 – Organization for Women in Science for the Developing World (OWSD).
2018 – British Ecological Society (BES).
2018 – Research Data Alliance (RDA) - SHARC Interest Group.
2013 – Interdisciplinary Group on Society-Nature Relationships (RETEMA).
2012 – Latin American Network for Conservation Genetics (REGENEC).
2010 – Zoological Society of Uruguay (SZU).

TALKS

- 2021 **As a naturalist in my country, where are there more opportunities to fill in information gaps?** Online
Grattarola F.* & Barreneche J.M. / LatinR Conference
- 2021 **Roundtable: Activism through digital media** Montevideo, Uruguay
Grattarola F.* / 4th Conference on Digital Citizenship
- 2021 **The value of open education policies to promote environmental education** Online
Grattarola F.* / CILAC Latin American Open Science Forum [video]
- 2020 **Hotspots of biodiversity and the challenges of open-data scarcity** Online
Invited Grattarola F.* / Seminar of the Department of Spatial Sciences, Czech University of Life Sciences Prague
- 2019 **Biodiversity hotspots in Uruguay: real or fabricated?** Belfast, Northern Ireland
Grattarola F.* & D. Pincheira-Donoso / British Ecological Society Annual Meeting
- 2019 **Biodiversidata: a collaborative initiative towards open data availability in Uruguay** Leiden, The Netherlands
Grattarola F.* & D. Pincheira-Donoso / Biodiversity Next Conference
- 2019 **Biodiversity data in Uruguay: a long way to go** Leiden, The Netherlands
Invited Grattarola F.* / Biodiversity Informatics 101 Workshop at Biodiversity Next Conference
- 2019 **Biodiversity hotspots in Uruguay** Lincoln, United Kingdom
Invited Grattarola F.* & D. Pincheira-Donoso / School of Life Sciences Postgraduate Symposium, University of Lincoln
- 2019 **iNaturalist as a tool to enhance the conservation of biodiversity in Uruguay** Maldonado, Uruguay (online)
Grattarola F.* / Rufford Conference Uruguay
- 2017 **Landscape genetics of the crab-eating fox *Cerdocyon thous* (Carnivora: Canidae)** Montevideo, Uruguay
Grattarola F.*, Bartesaghi L., Hernández D., Soutullo A., Mannise N., González S. & Cosse M. / IV Uruguayan Zoology Congress
- 2016 **Humans and fauna in Paso Centurión (Cerro Largo) from an interdisciplinary perspective** La Paloma, Uruguay
Chouhy M.*, Garay A., Bergós L., Gaucher L., Perazza G., Grattarola F. & Santos C. / III Interdisciplinary Conference on Biodiversity and Ecology
- 2016 **Democratization of information in the context of territorial management** Montevideo, Uruguay
Gaucher L.*, Hernández D., Grattarola F., Rodríguez-Tricot L., Duarte A., Perazza G. & González, S. / III Interdisciplinary Conference on Biodiversity and Ecology
- 2016 **Molecular detection of species and sex determination in road killed foxes in Uruguay** Lavras, Brazil
Mannise N.*, Cosse M., Grattarola F., Repetto L. & González S. / First Ibero-American Congress on Biodiversity and Road Infrastructure

SCI COMM

- 2022 **Scientific Pokemon Go**
Podcast episode by Soledad Machado for Medios Públicos [episodel]
- 2020 **Biodiversidata began to digitize the herbarium of the National Museum of Natural History**
Press note by Leo Lagos for La Diaria [article]
- 2021 **iNaturalist - What is it and what can it do for our project?**
Talk with students of the Polo Educativo Tecnológico Arrayanes (Park Rangers) [slides]

- 2020 **Getting started with iNaturalist - Project RACATÚ**
Online talk with primary school students from rural school N102 of Berachi (Cerro Largo, Uruguay)
- 2020 **Uruguayans are wanted to participate in a platform that helps scientists**
Press note by Analía Filosi for Diario El País [article]
- 2019 **iNaturalist: a bet on citizen science**
Talk at Museum of Natural History Torres de la Llosa
- 2019 **iNaturalist a citizen science tool to improve biodiversity knowledge in Uruguay**
Radio interview by Juan Vique in Radio Uruguay [radiocut]
- 2019 **The Uruguayan Consortium of Biodiversity Data, Biodiversidata, published the first open data set**
Press note by Leo Lagos for La Diaria [article]
- 2019 **Series 'Gender and IT' - Pan Ceibal**
Online talk with students from Canelones, Paysandú, Tacuarembó and Treinta y Tres' primary schools in Uruguay
- 2019 **Biodiversidata: Biodiversity Open Data**
Online talk at the Third Edition of 'Datos y Cogollos: Open Data in Uruguay'. La Diaria Media Lab (Montevideo, Uruguay)
- 2019 **Exhibition 'A Computer of One's Own'**
Art exhibition about pioneer women in Computer Science at CSSconf and JSConf (Berlin, Germany)
- 2018 **Big data in biodiversity**
Radio interview with Federico Weinstein in the science segment of the program Justicia Infinita, Radio Océano (93.9 FM) (Montevideo, Uruguay)
- 2017 **The Marsh Seed eater**
Video production for PROBIDES organization [video]
- 2016 **Drawn news: First record of a jaguarundi in Uruguay**
Video production for JULANA NGO [video]

REFERENCES

Petr Keil	Czech University of Life Sciences, Czech Republic keil@fzp.czu.cz phone +420 776 371 840
Daniel Pincheira-Donoso	Queen's University Belfast, UK d.pincheira-donoso@qub.ac.uk phone +44(0) 28 9097 2967
Lauren Weatherdon	UN Environment Programme World Conservation Monitoring Centre, UK lauren.weatherdon@unep-wcmc.org phone +420 776 371 840
Susana González	Clemente Estable Biological Research Institute, Uruguay sugonza9@yahoo.com phone +598 24861417

