Florencia Grattarola – Curriculum Vitae

CONTACT
INFORMATION

Department of Spatial Sciences
Czech University of Life Sciences in Prague
Kamycka 129, 16500 Praha - Suchdol
E-mail: grattarola@fzp.czu.cz
Web: flograttarola.com
Phone: (+420) 774 975 962 ORCID: 0000-0001-8282-5732

EDUCATION

Ph.D., Life Sciences 2017–2021

Evolution and Ecology Research Group, School of Life Sciences, **University of Lincoln**, United Kingdom. Dissertation: *Biodiversity informatics and macroecological patterns of biodiversity: Uruguay as a model region.* Advisor: Daniel Pincheira-Donoso.

M.Sc., Biological Sciences (Genetics) 2013–2015

Department of Biodiversity and Genetics, Clemente Estable Biological Research Institute. School of Science, **Universidad de la República**, Montevideo, Uruguay. Dissertation: *Contributions of molecular ecology to the study of mammals in Uruguay.* Advisors: Susana González and Mariana Cosse.

B.Sc. (Hons), Biological Sciences 2006–2012

School of Science, **Universidad de la República**, Montevideo, Uruguay. Advisor: Mariana Cosse.

PROFESSIONAL
EXPERIENCE

Postdoc Apr. 2021–present

Department of Spatial Sciences, **Czech University of Life Sciences**, Prague, Czech Republic.

Intern Jan. 2021 – Apr. 2021

Knowledge Management, Conserving Land and Seascapes Team, **UN Environmental Programme - World Conservation Monitoring Centre**, Cambridge, UK.

Demonstrator Aug. 2018 – Dec. 2020

School of Life Sciences, **University of Lincoln**, Lincoln, UK.

Project Manager Jun. 2017 – Jul. 2017

Vida Silvestre Uruguay NGO, Montevideo, Uruguay.

Research Assistant Nov. 2016 – Mar. 2017

Department of Animal Genetics, School of Veterinary, **Universidad de la República**, Montevideo, Uruguay.

Field Assistant Oct. 2016 – Nov. 2016

Project Rural Futures, **Technische Universität Berlin**, Uruguay.

Lab Technician Nov. 2015 – Oct. 2016
Department of Genetics, **Rural Association of Uruguay**, Montevideo, Uruguay.

Research Assistant Nov. 2015 – Oct. 2016
Institute of Hygiene, School of Medicine, **Universidad de la República**, Montevideo, Uruguay. Bioinformatics of Salmonella

Research Assistant 2012–2015
Department of Biodiversity and Genetics, **Clemente Estable Biological Research Institute**, Montevideo, Uruguay.

Teaching Assistant 2012–2014
Extension Unit, School of Science, **Universidad de la República**, Montevideo, Uruguay.

PEER-REVIEWED
ARTICLES

1. Pincheira-Donoso D., Harvey L.P., <u>Grattarola F.</u>, 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]

2. <u>Grattarola F.</u>, 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]

3. <u>Grattarola F.</u>, Mai, P., ... & Pincheira-Donoso D. (2020) Biodiversidata: A novel dataset for the vascular plant species diversity in Uruguay. ***Biodiversity Data Journal***, 8: e56850. [link]

4. <u>Grattarola F.</u> & Rodríguez-Tricot L. (2020) Mammals of Paso Centurión, an area with relics of Atlantic Forest in Uruguay. ***Neotropical Biology and Conservation***, 15(3): 267–283. [link]

5. D'Alessandro B., Pérez Escanda V., Balestrazzi V., <u>Grattarola F.</u>, ... & 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]

6. <u>Grattarola F.</u>, Botto, G., ... & Pincheira-Donoso D. (2019) Biodiversidata: an open-access biodiversity database for Uruguay. ***Biodiversity Data Journal***, 7: e36226. [link]

7. <u>Grattarola F.</u> & 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]

8. Bergós L., <u>Grattarola F.</u>, Barreneche J.M., Herández D., & González S. (2018) Fogones de Fauna: an experience of participatory monitoring of wildlife in rural Uruguay. ***Society & Animals***, 26(2), 171-185. [link]

9. Chouhy M., Santos C., Gaucher L., <u>Grattarola F.</u>, ... & 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]

10. Cosse M., <u>Grattarola F.</u> & Mannise N. (2017) A novel real-time Taq-Man™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]

11. <u>Grattarola F.</u>, 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]

12. <u>Grattarola F.</u>, Cosse M. & González S. (2015) A novel primer set for mammal species identification from feces samples. ***Conservation Genetic Resources***, 7: 57–59. [link]

SERVICE FOR JOURNALS

Reviewer for: *Biodiversity Data Journal, Global Ecology and Biogeography, Journal of Biogeography*

CITATION METRICS

Accessed 11 Mar 2022:

Google Scholar: 67 citations, h-index = 5.

STUDENTS

Enzo Cavalli, BSc (Honours) in Biological Sciences, School of Science, **Universidad de la República** (Advisor, finished in 2019)

LECTURING

Modern Mammals - Universidad de la República, Uruguay   2017-2019
Lecture in the graduate course of Palaeontology, for 15-20 students. Invited by Dr. Richard Fariña. [link to slides]

Management and analysis of camera trap records using R software - Ministry of Environment, Uruguay   2018
Course for NGOs, researchers and government people. Taught together with Juan M. Barreneche and Gabriel Perazza. [link to syllabus]

Introduction to Python - Universidad de la República, Uruguay 2016–2017
Lecture at posgraduate course of Introduction to command line and programming for bioinformatic analysis, for 25-30 students in Biological Sciences. Invited by Dr. Andrís Iriarte. [link to syllabus]

Society & Nature - Universidad de la República, Uruguay   2016–2017
Graduate course for ca. 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]

GRANTS,
FUNDING

NatGeo Explorer   2021–2022
1-year grant, 'NaturalistaUY: the iNaturalista community in Uruguay'.
National Geographic Society, United States.

Ph.D. International Fellowship   2017–2020
3-year grant at the Univeristy of Lincoln, Lincoln, UK. National Agency
for Research and Innovation (ANII) Uruguay POS_EXT_2016_1_136663

Post-graduate National Fellowship   2013–2015
2-year grant at the Universidad de la República, Montevideo, Uruguay. National Agency for Research and Innovation (ANII) Uruguay POS_NAC_2012_1_8976

Internship for Post-graduate Students   2015
3-month at the Universidad Federal de Minas Gerais, Belo Horizonte,
Brazil. Association of Universities of the Montevideo Group (AUGM)
Uruguay

Internship for Post-graduate Students   2013
1-month at the Mississippi State University, Starkville, United States.
PEDECIBA, Uruguay

Undergraduate Fellowship.   2010–2011
1-year grant at the Universidad de la República, Montevideo, Uruguay. National Agency for Research and Innovation (ANII) Uruguay BE_INI_2010_1961

SKILLS

Software: R, Python, Windows, Linux, Bash, ArcGIS, QGIS, JAGS, HTML,
CSS, SQL, Markdown, Hugo-R, jekyll, WordPress, GBIF IPT, DarwinCore
standard, InkScape and Adobe suites.

Lab: DNA extraction, PCR, RT-PCR, Taqman probe, analysis of mitochondrial, nuclear and hypervariable markers (microsatellites and SNPs), population genetics, landscape genetics and phylogenetics, NGS sequencing (Illumina and IonTorrent), alignment, annotation, comparative genomics.

Field: non-invasive wildlife monitoring, camera-traps, bat sensor EchoMeter,
AudioMoth acoustic logger, mammal track identification.

Statistics: GLM, hierarchical (mixed-effects) models, machine learning, Bayesian
inference, data visualization.

Languages: English; Portuguese (excellent); Spanish (native).

REFERENCES

Dr. **Petr Keil**, Czech University of Life Sciences, Czech Republic. ☎+420 776 371 840. keil@fzp.czu.cz

Dr. **Daniel Pincheira-Donoso**, Queen's University Belfast, UK. ☎+44(0) 28 9097 2967. d.pincheira-donoso@qub.ac.uk

Dr. **Lauren Weatherdon**, UN Environment Programme World Conservation Monitoring Centre, UK. ☎+44(0) 12 2327 7314. lauren.weatherdon@unep-wcmc.org

Prof. **Susana González**, Clemente Estable Biological Research Institute, Uruguay. ☎+598 24861417. sugonza9@yahoo.com