

## Florencia Grattarola – Curriculum Vitae

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### CONTACT INFORMATION

Department of Spatial Sciences  
Czech University of Life Sciences in Prague  
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### 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](#).

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### PROFESSIONAL EXPERIENCE

**Postdoc** 2021–present  
Department of Spatial Sciences, **Czech University of Life Sciences**, Prague, Czech Republic.

**Intern** 2021  
Knowledge Management, **UN Environmental Programme - World Conservation Monitoring Centre**, Cambridge, UK.

**Demonstrator** 2018–2020  
School of Life Sciences, **University of Lincoln**, Lincoln, UK.

**Research assistant** 2017  
Department of Animal Genetics, School of Veterinary, **Universidad de la República**, Montevideo, Uruguay.

**Project Manager** 2017  
Wildlife Uruguay NGO, Montevideo, Uruguay.

**Field Assistant** 2017  
Project Rural Futures, **Technische Universität Berlin**, Uruguay.

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

**Research Assistant** 2015–2016

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.

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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., 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](#)]
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. [\[link\]](#)

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SERVICE FOR  
JOURNALS

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

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CITATION  
METRICS

Accessed 11 Mar 2022:

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

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STUDENTS

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

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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. Andrés 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. [\[link to S&N Group\]](#)

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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 University 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

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## 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).

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## REFERENCES

Dr. **Petr Keil**, Czech University of Life Sciences, Czech Republic. ☎+420 776 371 840. [keil@fzp.czu.cz](mailto:keil@fzp.czu.cz)

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

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

Prof. **Susana González**, Clemente Estable Biological Research Institute, Uruguay. ☎+598 24861417. [sugonza9@yahoo.com](mailto:sugonza9@yahoo.com)