



Curriculum Vitae

Mariana Câmara dos Reis

(Date of birth: January 31th, 1993)

MSc in Ecology and Natural Resources

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Station Biologique de Roscoff

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Academic training

2017 - current: **PhD student at Université Pierre et Marie Curie. Laboratory of Adaptation et Diversité en Milieu Marin, UMR7144. Station Biologique de Roscoff (France). Advisors: Dr. Christian Jeanthon and Dr. Colombar de Vargas**

2015-2017: **Master degree in Ecology and Natural Resources from the Universidade Federal de São Carlos (Brazil). Advisor: Prof. Hugo Sarmento**

Title of thesis: *Spatiotemporal dynamics of the bacterioplankton in an Amazonian floodplain system*

2011-2015: **License degree in Biology from the Universidade Federal de Juiz de Fora - Brazil**

Awards & Honors

2012: **Best presentation of panels of General Biology. REIS, M. C.; LOBAO, L. M. ; MELO, M. L. ; GARCIA, L. ; VIDAL, L. O. ; ROLAND, F.** Bacterial morphology in four reservoirs with different trophic states In: XXXV Semana de Biologia da UFJF e XVIII Mostra de Produção Científica, 2012, Juiz de Fora, Brazil

2012: **Best oral presentation.** MELO, M. L.; LOBAO, L. M.; GARCIA, L.; **REIS, M. C.** ; VIDAL, L. O.; ROLAND, F. Bacterial respiration response to temperature increasing in a hydroelectric reservoir. In: XXXV Semana de Biologia da UFJF e XVIII Mostra de Produção Científica, 2012, Juiz de Fora, Brazil

Participation in research projects

2015: **"Clim-FABIAM (Climate changes and Floodplain lake biodiversity in the Amazon Basin: how to cope and help the ecological and economic sustainability)** (Project Coordinator: Marie Paule Bonnet, UnB) funded by 'Programme Modélisation et scénarios de la biodiversité', FRB (French Foundation for Research on Biodiversity)

2015: **"Biodiversity and microbial processes in aquatic ecosystems"**. (Project Coordinator: Hugo Sarmento, UFSCar) FAPESP

2012-2013: **"Limnology and planktonic Metabolism controlling greenhouse gases transfer rates"**. (Project Coordinator: Fabio Roland, UFJF) Eletronorte and CEPEL

Scientific expeditions and sampling cruises

June 2015: Responsible for bacterial production and respiration incubations in the expedition to reservoirs of São Paulo (Barra bonita, Promissão, Nova Avaendava and Três Irmãos), Brazil. (Biodiversity and microbial processes in aquatic ecosystems Project).

May 2015: Responsible for collect DNA samples for prokaryotic diversity in the Clim FABIAM V expedition (Clim FABIAM project) – Sampling the Curuai floodplain system – Amazon (Brazil)

June 2014: Responsible for collect DNA samples for prokaryotic diversity in the Clim FABIAM III expedition (Clim FABIAM project) – Sampling the Curuai floodplain system – Amazon (Brazil)

December 2012: Responsible for collect water samples for physical and chemical analyses in the expedition to the Xingó reservoir, Alagoas – Brazil (Limnology and planktonic Metabolism controlling greenhouse gases transfer rates)

August 2012: Responsible for collect water samples for physical and chemical analyses in the expedition to the Três Marias reservoir, Minas Gerais – Brazil (Limnology and planktonic Metabolism controlling greenhouse gases transfer rates)

Peer-reviewed publications

Vidal, L.O., Abril, G., Artigas, L.F., Melo, M.L., Bernardes, M.C., **Reis, M.C.**, Lobão, L.M., et al. (2015). Hydrological pulse regulating the bacterial heterotrophic metabolism between Amazonian mainstems and floodplain lakes. *Frontiers in microbiology* 6. doi: 10.3389/fmicb.2015.01054

Publications under reviewing process

Reis, M.C., Bagatini, I.L., Vidal, L.O., Bonnet, M.P., Marques, D.M., Sarmento, H. Flood pulse regulation of bacterioplankton community composition on an Amazonian floodplain lake system (to be submitted)

Presentations in Symposia & Workshops

1. **REIS, M. C.**, BAGATINI, I. L., VIDAL, L. O., BONNET, M. P., SARMENTO, H. Spatiotemporal dynamics of Bacterioplankton in an Amazon Floodplain System. Oral presentation. In: XVI Congresso Brasileiro de Limnologia, 2017, Rio de Janeiro/RJ
2. **REIS, M. C.**, VIDAL, L. O., BAGATINI, I. L., BONNET, M. P., SARMENTO, H. Bacterioplankton spatiotemporal dynamics reflects the complexity of the Amazon hydrologic network. Poster presentation. In:

International Conference of Ecohydrology for Security of Aquatic Ecosystems and Societies, 2017, Campos dos Goytacazes/RJ

3. **REIS, M. C.**, SILVA, T. P., GAMALIER, J., ZARANTONELLO, V., ROLAND, F., MELO, R. C. N., VIDAL, L. O. Cell death of cultivable bacteria in two Amazonian aquatic ecosystems subjected to temperature increase. Poster presentation. In: XV Congresso Brasileiro de Limnologia, 2015, Maringá/PR. XV Congresso Brasileiro de Limnologia, 2015
4. SANTOS, M. C. P., QUADRA, G., MILLEN, G., JOSUÉ, I. I. P., MELO, J., **REIS, M. C.**, RESENDE, N., MARCOLA, Y., ROLAND, F., ALMEIDA, R., RUST, F., BARROS, N. O. Methan emission in Manacás Lake, JUIZ DE FORA, MG. Poster presentation. In: XV Congresso Brasileiro de Limnologia, 2015, Maringá/PR. XV Congresso Brasileiro de Limnologia, 2015
5. **REIS, M. C.**, SILVA, T. P., MELO, M. L., ROLAND, F., MELO, R. C. N., VIDAL, L. O. Bacteria associated with particles in two Amazonian aquatic ecosystems. Poster presentation. In: I Simpósio Internacional de Ecologia e Conservação, Belo Horizonte, MG 2014
6. **REIS, M. C.**, LOBAO, L. M., MELO, M. L., VIDAL, L. O., ROLAND, F. Contribution of bacterial morphotypes to carbon budget in reservoirs. Poster presentation. In: XIV Congresso Brasileiro de Limnologia, 2013, Bonito/MS. XIV Congresso Brasileiro de Limnologia, 2013
7. **REIS, M. C.**; LOBAO, L. M., PAIVA, R. R., JOSUÉ, I. I. P., VIDAL, L. O., ROLAND, F. Effect of the copepod *Notodiaptomus iheringi* on the bacterioplankton of Manacás lake - campus UFJF. Oral presentation. In: XXXVI Semana de Biologia da UFJF e XIX Mostra de Produção Científica, 2013, Juiz de Fora. Anais da XXXVI Semana de Biologia da UFJF, 2013
8. **REIS, M. C.**, GARCIA, L., LOBAO, L. M., VIDAL, L. O., ROLAND, F. Carbon flow through the bacterioplankton in hydroelectric reservoirs. Poster presentation. In: XVIII Seminário de Iniciação Científica da UFJF, 2012, Juiz de Fora. XVIII Seminário de Iniciação Científica da UFJF, 2012
9. **REIS, M. C.**, LOBAO, L. M., MELO, M. L., GARCIA, L., VIDAL, L. O., ROLAND, F. Bacterial morphology in four reservoirs with different trophic states. Poster presentation. In: XXXV Semana de Biologia da UFJF e XVIII Mostra de Produção Científica, 2012, Juiz de Fora. Anais da XXXV Semana de Biologia da UFJF, 2012
10. MELO, M. L., LOBAO, L. M., GARCIA, L., **REIS, M. C.**, VIDAL, L. O., ROLAND, F. Bacterial respiration response to temperature increasing in a hydroelectric reservoir. Oral presentation. In: XXXV Semana de Biologia da UFJF e XVIII Mostra de Produção Científica, 2012, Juiz de Fora. Anais da XXXV Semana de Biologia da UFJF, 2012

Participation in courses and workshops

- 2018: 16S metagenomic data analysis formation (Duration: 29 hours). Organized by ABIMS platform and IFREMER. May 2018, Roscoff, France.
- 2018: International Course Ecology and Diversity of Marine Microorganisms (ECODIM X). Between 8 and 27 January. Dichato, Chile.
- 2017: II Summer course in Bioinformatics (Duration: 70 hours). Universidade Estadual Paulista, Jaboticabal, Brazil.
- 2016: Carbon cycling in aquatic systems. Professor Sebastian Sobek (Duration: 45 hours). Universidade Federal de Juiz de Fora, Brazil.
- 2016: Workshop: Helping Brazilian researchers write academic papers in English (Duration: 4 hours). Universidade Federal de São Carlos, Brazil. Speaker Jane Coury
- 2016: Workshop: Tips on presenting academic papers & networking at international conferences (Duration: 4 hours). Universidade Federal de São Carlos, Brazil. Speaker Jane Coury
- 2016: Workshop: Writing scientific papers in English successfully: A complete roadmap (Duration: 4 hours). Universidade Federal de São Carlos, Brazil. Speaker Professor Osvaldo Novais de Oliveira Jr

Language skills

Spoken and written: Portuguese (mother language) / English.

Miscellaneous

Expertise in the use of the Software R (packages vegan, BiodiversityR, ggplot2, MASS, stats, labdsv, GUnifrac)

Expertise in molecular techniques (DNA extraction, amplification, and library preparation for Illumina sequencing)

Expertise in Bacterioplankton Ecology

Expertise in bacterial culture

Expertise in field work and experimental work.

Basic knowledge in bioinformatics (Python, Linux framework).
