

**RODRIGUEZ ROJAS, Luis Miguel**

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**Date of birth:** 12 / October / 1987

**Nationality:** Colombia

**Web site:** <https://rodriguez-r.com/>

**Publication Metrics (Jan/2025)**

**Source:** Google Scholar

Journal Articles: 70

Book Chapters: 4

Citations: 11,900

H-Index: 38

• **EDUCATION**

- 2016 PhD, Bioinformatics (minor: Biomedical Engineering)  
School of Biological Sciences, Georgia Institute of Technology, USA
- 2011 MSc, Applied Informatics (emphasis: Bioinformatics)  
Department of Informatics, University of Montpellier, France
- 2011 MSc, Microbiology  
Department of Biological Sciences, Los Andes University, Colombia
- 2009 BSc, Biology (dual emphasis: Conservation Ecology and Molecular Plant Pathology)  
Department of Biology, National University of Colombia, Colombia

• **ACADEMIC POSITIONS**

- 2021 – Assistant Professor  
Department of Microbiology and Digital Science Center, University of Innsbruck, Austria
- 2020 – 2020 Research Scientist  
Department of Microbiology and Digital Science Center, University of Innsbruck, Austria
- 2018 – 2020 Research Engineer I  
School of Civil and Environmental Engineering, Georgia Institute of Technology, USA
- 2017 – 2018 Postdoctoral Fellow  
School of Civil and Environmental Engineering, Georgia Institute of Technology, USA

• **TEACHING ACTIVITIES (SINCE 2020)**

- 2022 – Professor – *Special Topics in Ethics and Digitalization*, University of Innsbruck, Austria
- 2021 – Professor – *Introduction to Programming in R*, University of Innsbruck, Austria
- 2021 – Professor – *Molecular Biotechnology*, University of Innsbruck, Austria
- 2020 – Professor – *Molecular Data Analysis*, University of Innsbruck, Austria
- 2023 Invited lecturer – *EMBO Microbial metagenomics: a 360° approach*, European Molecular Biology Laboratory (EMBL), Heidelberg, Germany
- 2022 Invited lecturer – *Workshop on Genomic Techniques*, National Institute for Research on Biological Resources Alexander von Humboldt, Bogotá, Colombia
- 2021 Organizer and lecturer – *Bacterial Genomics Course, North-South-North Network on Xanthomonas*, Colombia, France, Austria, and USA (virtual)
- 2021 Lecturer – *Metagenomics Course*, Universidad de las Islas Baleares, Spain (virtual)

• **INVITED TALKS (SELECTION, SINCE 2022)**

- 2024 *The Fundamental Role of Sampling Coverage in the Study of Environmental Genomics*, Annual Meeting of the Chinese Association of Microbial Ecology (CAME), Qingdao, China
- 2024 *Three genomic Adaptations in Aquatic Prokaryotes: Towards a Census-Based Microbial Ecology with Genome-Resolved Metagenomes*. Versions of this talk were delivered at: Institute of Research for Development (IRD), Montpellier, France; University of Aalborg, Aalborg, Denmark; Shanghai Jiao Tong University, Shanghai, China; East China Normal University, Shanghai, China; and King Abdullah University of Science and Technology, Saudi Arabia
- 2023 *Studying Genomic Adaptations Under the Light of Microbial Ecology*, 10<sup>th</sup> Conference Mikrobiokosmos, Larissa, Greece
- 2023 *A Census-Based Microbial Ecology with Genome-Resolved Metagenomics*, Department of Microbiology and Molecular Medicine Conference, University of Geneva, Geneva, Switzerland
- 2023 *The SeqCode Registry: A Semi-Automated Platform for the Proposal and Exploration of Names of*

- Prokaryotes Described from Sequence Data*, Congress of European Microbiologists FEMS 2024, Hamburg, Germany
- 2023 *Genome-Based Classification of Archaea and Bacteria on the Basis of Multiple Reference Taxonomies with MiGA*, 1<sup>st</sup> International Symposium on Soil Sustainability and Environmental Health, Yangling, China
- 2023 *Quantifying Genetic Variation at the Edge of Metagenomic Resolution to Characterize in situ Population Dynamics*, The Local Pangenome 2024, Alicante, Spain
- 2022 *The SeqCode Registry: A Semi-automated Platform for the Proposal and Exploration of Names of Prokaryotes Described from Sequence Data*, Bergey's International Society for Microbial Systematics (BISMIS) Live, Online
- 2022 *Efficiently Searching and Taxonomic Identification of the Genomic Prokaryotic Diversity with the Microbial Genomes Atlas (MiGA 1.0)*, FEMS Conference on Microbiology, Belgrade, Serbia
- 2022 Invited panel member – *Roundtable: The Future of Microbial Taxonomy Under the SeqCode*, 18<sup>th</sup> International Symposium on Microbial Ecology (ISME18), Lausanne, Switzerland
- 2022 *Case Study: Hydrocarbon Degradation Under the Light of Microbial Ecology in an Oil Spill and Microbial Ecology in an Oil Spill: Impacts, Succession, and Evaluation of the Specialization-Disturbance Hypothesis*, Guidelines for the Evaluation of Oil Spill Impacts using Genomic Techniques, National Institute for Research on Biological Resources Alexander von Humboldt, Bogotá, Colombia
- 2022 *What's in a Name? Prokaryotic Nomenclature Meets Genomics in the SeqCode Registry*, 5<sup>th</sup> Symposium of the Austrian Microbiome Initiative (AMICI), Vienna, Austria

#### • REVIEWING ACTIVITIES

Frequent reviewer for multiple journals since 2018, including *Bioinformatics*, *Systematic and Applied Microbiology*, *PeerJ*, *International Journal of Systematic and Evolutionary Microbiology*, *Environmental Microbiology*, *The ISME Journal*, *Nature Communications*, *Nature Microbiology*, *mSystems*, *Frontiers in Microbiology*, *Genome Biology*, *Proceedings of the National Academy of Sciences*, *Microbiome*, and *Genomics*.

Frontiers in Microbiology Guest Associate Editor for the Systems Microbiology section and Review Editor for the Environmental Microbiomes section

#### • FELLOWSHIPS AND AWARDS

- 2023 Elected chair of the Registry and Nomenclature working group, SeqCode
- 2017 Best PhD Thesis Sigma Xi Award, Georgia Institute of Technology, USA
- 2016 ISME Travel Award, ISME 16, International Society for Microbial Ecology
- 2015 School of Biology Graduate Excellence Award, Georgia Institute of Technology, USA
- 2010 Fellowship granted by the Languedoc Region to outstanding international students, France
- 2009 Scientific Mission to the Institute of Research for Development (IRD), Evaluation-Orientation of Scientific Cooperation (ECOS) program, France
- 2004 Department of Biology “*Matrícula de Honor*” award, National University of Colombia

#### • MEMBERSHIPS OF SCIENTIFIC SOCIETIES

- 2024 – Scientific Manager, BioApp Doctoral College, University of Innsbruck
- 2023 – Executive Board member and Chair of Registry of Nomenclature, SeqCode
- 2022 – Board of Experts member from the Austrian Microbiome Initiative (AMICI)
- 2022 Steering Committee Member, SeqCode Initiative
- 2017 – Member, International Society for Microbial Ecology (ISME)
- 2018 – 2020 Policy Committee Member, South Eastern Branch – American Society for Microbiology (SEB-ASM), USA
- 2016 – 2020 Member, American Society for Microbiology (ASM), USA
- 2018 Associated Member, Sigma Xi Honor Society, USA