

GIOVANNI A. CRESTANI

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<https://gacrestani.com>

EDUCATION

Oregon State University, Corvallis, Oregon, USA
PhD, Integrative Biology, expected September 2027
Advisor: Prof. Dr. Molly K. Burke

Universidade Federal de Santa Catarina, Florianópolis, Brazil
Licentiate in Biological Sciences, June 2022.

Thesis: “Um fluxo de análise quantitativa de dados de transcriptômica de células únicas no contexto de células-tronco pluripotentes induzidas. (2022)”
Advisor: Prof. Dr. Edroaldo Lummertz da Rocha.

RESEARCH IN PROGRESS

“Genomics of experimental evolution for postponed reproduction in *Drosophila melanogaster*”, to be presented at TAGC24 and submitted for publication on 2024.

SELECTED AWARDS

Scholarly Presentation Award, January 2024

· Award granted to support graduate students in presenting their work at outstanding conferences.

Integrative Biology Research Awards, November 2023

· Award granted to graduate students to fund their research and present their work at meetings.

Provost's Distinguished Scholarship, September 2022

· Award granted to meritorious new students on a graduate program at Oregon State University.

CONFERENCE PRESENTATIONS

Crestani, G. A.; Walsh, K.; Moran, A.; Dugo, H. S.; Shahrestani, P. and Burke, M. K. Genomics of experimentally-evolved postponed reproduction in *Drosophila melanogaster*. TAGC24. Washington, D.C., USA.

Crestani, G. A.; Walsh, K.; Moran, A.; Dugo, H. S.; Shahrestani, P. and Burke, M. K. Experimental evolution for postponed reproduction improves longevity and immune defense in *Drosophila melanogaster*. *Evolution* 2023. Albuquerque, NM, USA.

Crestani, G. A.; Matteoli, F. P.; Liedke, A. M .R.; Schneider, M. R. and Giachini, A. J. High-throughput sequencing of groundwater bacterial communities from petroleum hydrocarbon. *Applied Microbiology Symposium*. 2019. Rio Claro, São Paulo, Brazil.

TEACHING EXPERIENCE

Oregon State University, Corvallis, Oregon, USA

Graduate Teaching Assistant, Principles of Biology, 2022 ~ 2024

· Received 5.8/6.0 average rating for teaching effectiveness from student evaluations

Curriculum Development Fellow, Principles of Biology, Spring 2023

Universidade Federal de Santa Catarina, Florianópolis, Brazil

Student Tutor, Radiation and Cells Biophysics, Fall 2020 ~ Winter 2021

RESEARCH EXPERIENCE

Oregon State University, Corvallis, Oregon, USA

Graduate Research Assistant, Summer 2023, Winter 2024 & 2025

Advisor: Prof. Dr. Molly K. Burke

Burke Lab

Universidade Federal de Santa Catarina, Florianópolis, Brazil

Undergraduate researcher, Summer & Fall 2016

Advisor: Prof. Dr. Hernan Terenzi

Laboratory of Structural Molecular Biology

Undergraduate researcher, Summer & Fall 2016

Advisor: Prof. Dr. Mario Steindel

Laboratory of Protozoology

Undergraduate researcher, Winter & Spring 2017

Advisor: Prof. Dr. Luciane M. Perazzolo

Laboratory of Immunology Applied to Aquaculture

Undergraduate researcher, Summer & Fall 2018

Advisor: Prof. Dr. Admir José Giachini

Laboratory of Microbial Diversity

Undergraduate researcher, Fall 2019 ~ Summer 2020

Advisor: Prof. Dr. Alfeu Zanotto Filho

Laboratory of Pharmacology and Biochemistry of Cancer

Undergraduate researcher, Fall 2020 ~ Winter 2022

Advisor: Prof. Dr. Edroaldo Lummertz da Rocha

Lummertz da Rocha Lab

RESEARCH AFFILIATIONS

Member, American Society of Naturalists, since March 2023

Member, Society for the Study of Evolution, since March 2023

Member, Genetics Society of America, since November 2023

ACADEMIC SERVICE

Member, IBGSA Invited Speaker Committee Member - 2022~2023

- Worked with a team that coordinated a departmental talk given by an invited external scholar.

Chair, IBGSA Invited Speaker Committee Chair - 2023~2024

- Led the team in coordinating a departmental talk given by an invited external scholar.

RELEVANT PROFESSIONAL EXPERIENCE

Intern, REMA, Spring 2019 ~ Fall 2019

- Worked on sample collection of hydrocarbon-contaminated groundwater
- Performed metagenomic analysis on soil bacteria, fungi & archaea data
- Developed automation tools with Python, and implemented git workflows

Biohacking Fellow, Exosphere Academy, Feb 2018 - Jun 2018

- Worked on developing learning material related to Biotechnology, Molecular Biology and Microbiology for the upcoming course

OTHER EDUCATION

Biohacking at Exosphere Academy, 2017

· Exosphere Academy guides the student through a process of self-knowledge and immersion in emergent technologies with a high impact on society.

Data Analytics and IA Culture at Aquarela Advanced Analytics, 2017

· An introduction to Data Analytics and IA with focus on social problems and their data-driven solutions

Data Science with R Career Track - Coursera (MOOC)

Data Science with Python Career Track - Datacamp (MOOC)

Deep Learning Integrated Courses, from deeplearning.ai - Coursera (MOOC)

Learning How to Learn, from McMaster University - Coursera (MOOC)

Open Source Software Development Methods, from The Linux Foundation, Coursera (MOOC)

Managing an Agile Team, from University of Virginia - Coursera (MOOC)

LANGUAGES

Portuguese: native.

English: fluent.

Spanish: reading knowledge.