

## 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

*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. 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 Simposium*. 2019. Rio Claro, São Paulo, Brazil.

## TEACHING EXPERIENCE

**Oregon State University**, Corvallis, Oregon, USA

*Graduate Teaching Assistant*, Principles of Biology, 2022 ~ 2023

- 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

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.