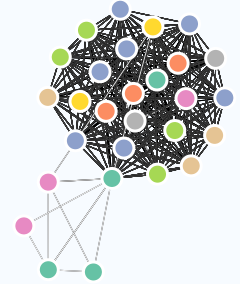


ADRIÀ AULADELL

Microbial ecologist | Data Scientist

Specialized in the analysis of microbiome data through high throughput sequencing. Highly skilled in biostatistics and bioinformatics mainly through R. I enjoy contributing to open-source projects and spreading knowledge by creating meaningful and appealing visualizations.



EDUCATION

- 2022**
|
2017
● **PhD, Microbiology**
Marine Sciences Institute (CSIC) 📍 Barcelona
 - Thesis title: Seasonality of marine prokaryotes using taxonomic and functional diversity approaches.
 - Short stay (Feb-Mar 2020) in Barberán Lab, University of Arizona.
- 2016**
|
2015
● **MSC in Bioinformatics for the Health Sciences**
Pompeu Fabra University 📍 Barcelona
 - Master thesis: Interannual seasonal dynamics of aerobic anoxygenic photoheterotrophs in the NW Mediterranean.
- 2014**
|
2010
● **Degree in Microbiology**
Autonomous University of Barcelona 📍 Bellaterra
 - Bachelor thesis: Recombinant *Vibrio cholerae* ghost as a delivery vehicle for vaccinating against *Staphylococcus aureus*.

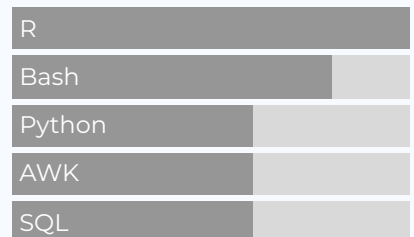
RESEARCH EXPERIENCE

- ongoing**
|
2023
● **Postdoc Researcher**
Institut Biologia Evolutiva (IBE-CSIC) 📍 Barcelona
 - Metatranscriptome analysis of abundant marine protists
- Sept 2015**
|
March 2015
● **Temporary researcher - teacher**
Tecnológico de Antioquia 📍 Medellín
 - Environmental microbiology course taught to students from environmental engineering degree and research in multiple projects.
- 2015**
|
2014
● **Research Assistant**
Chair UNESCO of Sustainability 📍 Terrassa
 - Participation in the project "Regeneration And Reuse Of Runoff And Drainage Water In Agricultural Plots By Combined Natural Water Treatment Systems (REAGRITECH)" as a researcher.

CONTACT

- ✉ adriaaulamart@gmail.com
- 📄 github.com/adriaaula
- 🌐 aauladell.netlify.app

CODING SKILLS



2014



Research Assistant

Centre de Recerca en Sanitat Animal

📍 Bellaterra

- Isolation of resistant strains and phenotype characterization. Study of resistance genes and pathogen genes by PCR.



SELECTED PUBLICATIONS

2023



Seasonality of biogeochemically relevant microbial genes in a coastal ocean microbiome

Environmental Microbiology

- Adrià Auladell, Isabel Ferrera, Lidia Montiel Fontanet, Célio Dias Santos Júnior, Marta Sebastián, Ramiro Logares, Josep M Gasol

2022



Global diversity and distribution of aerobic anoxygenic phototrophs in the tropical and subtropical oceans

Environmental Microbiology

- Carlota R Gazulla, Adrià Auladell, Clara Ruiz-González, Pedro C Junger, Marta Royo-Llonch, Carlos M Duarte, Josep M Gasol, Olga Sánchez, Isabel Ferrera

2022



Seasonal niche differentiation among closely related marine bacteria

The ISME Journal

- Adrià Auladell, Albert Barberán, Ramiro Logares, Josep M. Gasol and Isabel Ferrera

2020



Performance of the melting seawater-ice elution method on the metabarcoding characterization of benthic protist communities

Environmental Microbiology Reports

- Albert Reñé, Adrià Auladell, Guillaume Reboul, David Moreira and Purificación López-García

2020



Differential recruitment of opportunistic taxa leads to contrasting abilities in carbon processing by bathypelagic and surface microbial communities

Environmental Microbiology

- Marta Sebastián, Irene Forn, Adrià Auladell, Markel Gómez-Letona, M. Monserrat Sala, Josep M. Gasol and Celia Marrasé

2020



Seasonal impact of grazing, viral mortality, resource availability and light on the group-specific growth rates of coastal Mediterranean bacterioplankton

Scientific Reports

- Olga Sánchez, Isabel Ferrera, Isabel Mabrito, Carlota R. Gazulla, Marta Sebastián, Adrià Auladell *et. al.*

2019



Long-term seasonal and interannual variability of marine aerobic anoxygenic photoheterotrophic bacteria.

The ISME Journal

- Adrià Auladell, Pablo Sánchez, Olga Sánchez, Josep M. Gasol, and Isabel Ferrera



CONFERENCES

- 2020 ● **Seasonality and niche differentiation between closely related bacteria in a marine coastal environment**
ISME UniteDiversity 📍 Virtual
- 2019 ● **Seasonality of biogeochemically relevant genes in the NW Mediterranean coastal microbiome**
16th Symposium of Aquatic Microbial Ecology 📍 Potsdam
- 2019 ● **Seasonality of functionally relevant genes in the NW Mediterranean coastal microbiome**
Meeting of the Iberian Ecological Society (SIBECOL) 📍 Barcelona



TRAINING, COURSES, SEMINARS

- 2022 ● **Effective communication**
Marine Sciences Institute (CSIC) 📍 Barcelona
· Course to gain assertivity and abilities to communicate needs efficiently.
- 2020 ● **Past, present and future role of women in marine sciences**
Instituto Español de Oceanografía (IEO) 📍 Málaga
· Seminar of the impact of feminism in marine sciences.
- 2018 ● **Resolving microbial communities at strain-level resolution**
University of Exeter 📍 Penryn
· Workshop to deepen the knowledge of methods of strain differentiation.
- 2018 ● **Ecology through the omics lens**
Marine Sciences Institute (CSIC) 📍 Barcelona
· Workshop discussing the main contributions of omics to ecology.



TEACHING EXPERIENCE

- 2019 ● **Coordination of bachelor's degree final project**
Ecology of Marine Microbes Group 📍 Marine Sciences Institute (CSIC)
· Nuria Valldeoriola (Universitat Pompeu Fabra, 2019)
- 2018 | 2017 ● **Co-coordination of master thesis students**
Ecology of Marine Microbes Group 📍 Marine Sciences Institute (CSIC)
· Sergio Estruch (Universitat de Barcelona, 2017)
· Daniel Romano (Universitat de Barcelona, 2017)



PROJECTS

2022
|
2018



ICM young researchers

Ecology of Marine Microbes Group

📍 Marine Sciences Institute (CSIC)

- Co-coordinator and founder
- Association of young scientists to promote knowledge-sharing and discuss social issues in the institution.

2016



Barcelona Unseminars in Bioinformatics

📍 Pompeu Fabra University

- Organizer and founder
- Informal seminars to discuss hot topics such as data visualization, data management and improve oral talks.