

Claudia Pascual Tomàs

 Clodykey |  Claudia Pascual Tomàs |  claudiapascualtomas99@gmail.com |  +34 695820807

SUMMARY

Highly motivated molecular biologist with solid experience in biotechnology, microbial biocatalysis, genetic engineering, and bioprocess optimization. Currently completing a Master's Degree in Bioinformatics and Biostatistics at UOC, strengthening competencies in programming, statistical modeling, and computational biology. Transitioning from academia to industry to apply combined wet lab and computational expertise in data driven environments such as genomics, molecular diagnostics, and biotech R&D.

WORK EXPERIENCE

Research Associate De Novo Synthetic Biology Lab. CSIC, i2SysBio / July 2023 - Dec 2024
– Genetic engineering, bioreactor management, protocol optimization.
– Research reporting, conference preparation, student supervision.

Trainee Researcher Oral Microbiome Lab, FISABIO Salud Pública / Nov 2022 - May 2023
– Sample processing, nucleic acid extraction, PCR, anaerobic cultures.
– Massive sequencing workflows, data analysis, reporting

Researcher in training GEHUMEN, Universitat de València / Feb 2022 - July 2022
– Semiquantitative RT PCR, protein extraction and quantification.
– Contributed to research on potential treatments for Friedreich's Ataxia.

Laboratory Technician Penta Laboratorios S.L. / July 2021- Aug 2021
– Management of biological samples and sanitary reports.

EDUCATION

2025 - present MSc in Bioinformatics and Bioestadistics at **UOC**
2021 - 2023 MSc in Molecular, Cellular Biology and Genetics at **UV** (GPA: 8.15/10)
Achieved "Sobresaliente" in Seminars on research work.
2017 - 2021 BSc in Biology at **UA** (GPA: 7.11/10)
Awarded "Matrícula de Honor" in Physics.
Achieved "Sobresaliente" in Biology Projects, Cell cultures and tissue engineering and Applied Genetics.

PUBLICATIONS/CONFERENCES

- Scientific illustrator for the teaching innovation project "Gamification of Immunology Content for Learning Based on Popular Games" (Redes-I3CE Program for Research in University Teaching, 2020–2021). Results published in the Journal of the Spanish Society of Immunology, 40(3).
- NRF2 as a target for Friedreich's Ataxia. C. Pascual Tomàs. Presented at VI Congress of the Master in Research in Molecular, Cellular and Genetic Biology (22 April 2022, Burjassot)
- Study of the Nasopharyngeal Microbiota Associated with Health and Disease in Respiratory Infections Linked to Streptococcus pneumoniae Infection, A. Adrados Planell, M. Cisneros Pérez, C. Pascual Tomàs, D. Henares, M. Ferrer, C. Muñoz Almagro, Á. Mira. Presented at XXIX Congress of the Spanish Microbiology Society (20-23 July 2023, Burgos)

SKILLS

Software use and Bioinformatics Office Package (Advanced), UGENE (Advanced), Staden package (Medium), ImageJ (Medium), Benchling and SnapGene (Advanced)
Python (Medium): Numpy, Pandas, Matplotlib, SciPy, Biopython
R Studio (Advanced): Shiny, Caret, Bioconductor, DESeq2, limma, edgeR, ggplot...

Languages Native Spanish, Native Valencian, B2 English