



LAURA MARÍN FERNÁNDEZ

Senior Scientist specialized in molecular biology

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[LinkedIn](#)

Nantes

Skills

Molecular biology (plasmid construction, mutagenesis, sequence analysis)

Analytical techniques (HPLC, FACS, SPR)

Strain engineering

It tools: Benchling, Clone Manager

Collaborative

Results oriented

Logical problem solver

Team and project management

Multilingual scientific communication

Languages

Spanish: Native

French: C2

English: C2

Italian: B2

Education

PhD in Biology

University of Oviedo (Spain)

2010-2015

Advanced Studies Diploma

Asturias Oncology Research Institute (Spain)

2008-2010

Bachelor's Degree in Biology

University of Oviedo (Spain)

2002-2008

Profile

I support innovative biotechnology teams by combining deep expertise in molecular biology with technical ingenuity, analytical problem-solving, and hands-on experience engineering microbial strains

Work experience

2025

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2022

FOx Biosystems

Field applications scientist (molecular interactions)

- Performed pre-sales demonstrations to illustrate the performance and advantages of the technology.
- Supported clients in the design, implementation, analysis, and interpretation of their experiments.
- Created documentation (manuals, application notes).

2022

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2021

University of Nantes

Temporary Lecturer and Researcher Assistant

- Taught practical and theoretical classes in molecular biology and biochemistry.
- Lead research on inactivation of adhesion proteins in *E. coli* for vaccine development.
 - Designed and implemented strategies for site-directed mutagenesis, expression, purification, and characterization of proteins in bacterial systems.

2021

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2019

CNRS

Research scientist

- Developed proof of concept for a cholera vaccine.
 - Designed and carried out protein and metabolic engineering experiments in *E. coli* and *V. cholerae*.

2018

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2015

University of Paris Sud

Postdoctoral researcher

- Conducted research on biosynthesis of new bioactive molecules through synthetic and combinatorial biology in *Streptomyces*.

2015

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2010

University of Oviedo

PhD student

- Designed and expressed biosynthetic pathways in *Streptomyces*, enabling for the first time *de novo* production of 12 flavonoids and resveratrol.
 - Designed and executed protein engineering, metabolic, and transcriptional optimization experiments.