

From Research to Business

Maria Fátima Lucas
CEO

22/02/2022

Who we are

Origin

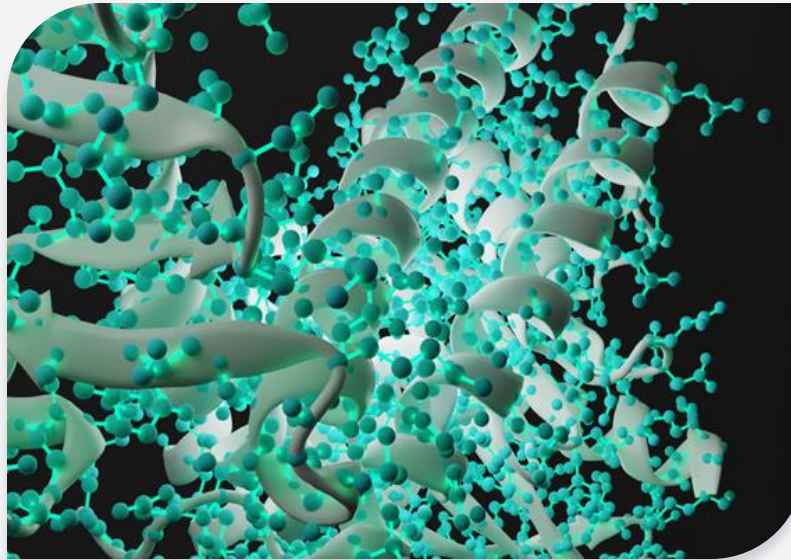
ZYMVOL is a research-driven company founded in 2017 in Barcelona, Spain

Core technology

Pioneers specialized in design, development and application of molecular modeling software to accelerate enzyme discovery and optimization

Services

Enzyme Search (ES)
In silico Design (ISD)
Diagnosis and Laboratory (D&L)



Our Team

After only 4 years, ZYMVOL has grown into a multidisciplinary team of 14 highly specialized experts with a strong track record in successful enzyme engineering, discovery and development.



CEO
**Maria F. Lucas,
PhD**



Head Communications
**Andrea Martínez
Bernardini, PhD**



Head of Legal
**Rosa
Abadie**



US Business Development
**Dennis Hutchison,
PhD**



Corporate Development
**Edouard Rozan,
PhD**



Senior Researcher
Jesús Seco, PhD



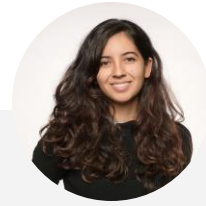
Senior Researcher
**Laura Masgrau,
PhD**



Senior Researcher
**Marina Cañellas,
PhD**



Administrative Manager
Ena Bhalla



Community Manager
Valeria González



US Business Development
**Mona Moghimi,
PhD**



Researcher
Lur Alonso, PhD

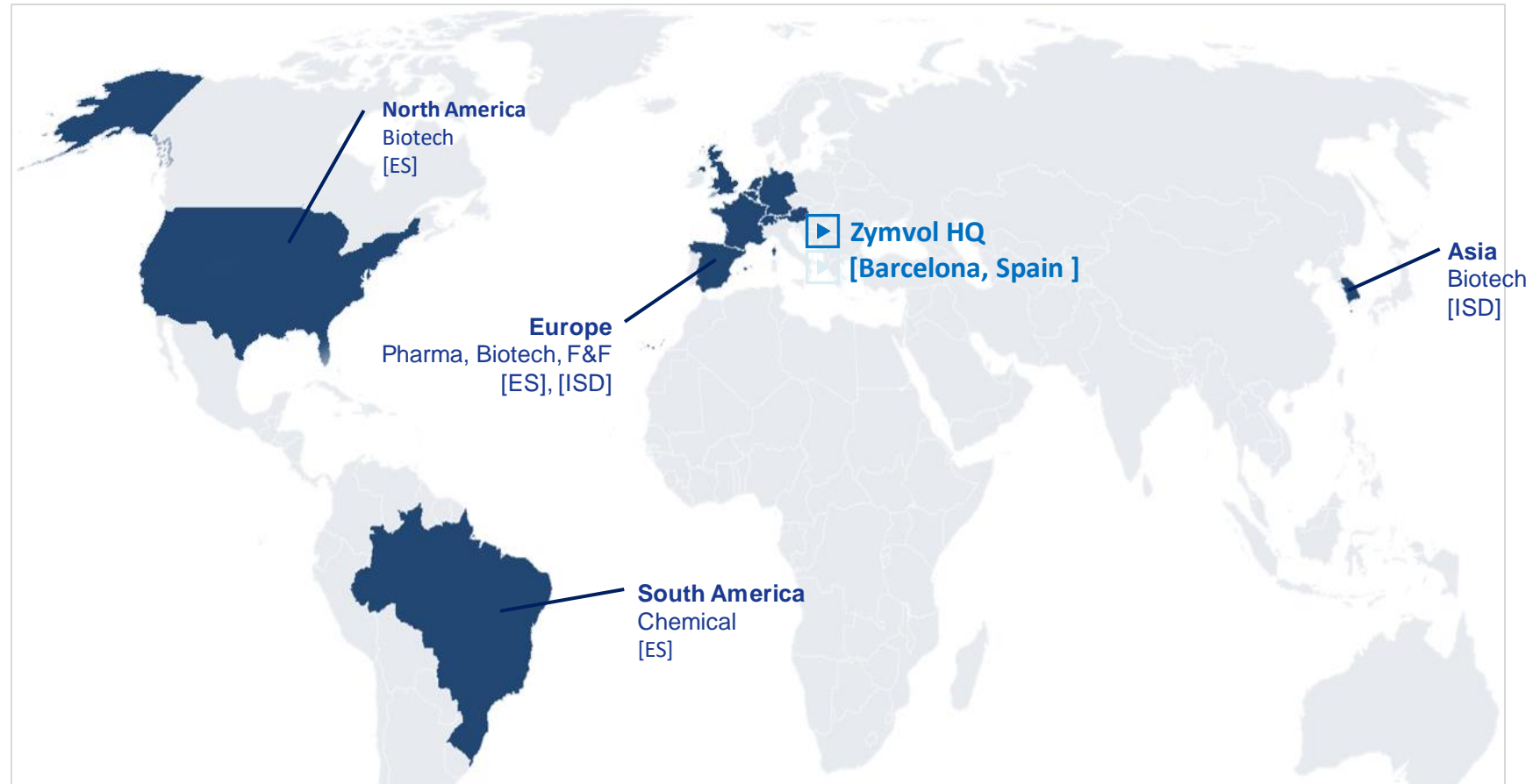


Senior Researcher
**Ryoji Takahashi,
PhD**



Senior Researcher
Ferran Sancho, PhD

Worldwide Network



[ES] Enzyme Search
[ISD] *In Silico* Design

Bacterial Enzymes and Bioprocesses for Lignin Valorization



B-LigZymes aims to solve key fundamental and technological challenges **for lignin biodegradation and valorization**

<https://www.itqb.unl.pt/b-ligzymes>



Identify and isolate **new** bacterial ligninolytic enzymes



Improve the performance and robustness of enzymes, relying on iterative experimental and computational protein **engineering** tools



Advance the **understanding** of ligninolytic enzymes at a molecular level, which will guide further optimization of biocatalytic systems



Set-up **enzymatic processes** for lignin depolymerization fractionation that lead to the production of chemicals and polymers from renewable resources



This project has received funding from the European Union's Horizon 2020 research and innovation programme under the Marie Skłodowska – Curie grant agreement No 824017

ZYMVOL

Consortium



Coordinator



UNIVERSIDADE NOVA
DE LISBOA

Academic Partners



university of
groningen



Università
Ca' Foscari
Venezia



TOR VERGATA
UNIVERSITÀ DEGLI STUDI DI ROMA

NC STATE
UNIVERSITY



CONICET



I N T E Q U I



Technische
Universität
Braunschweig

INQUIMAE



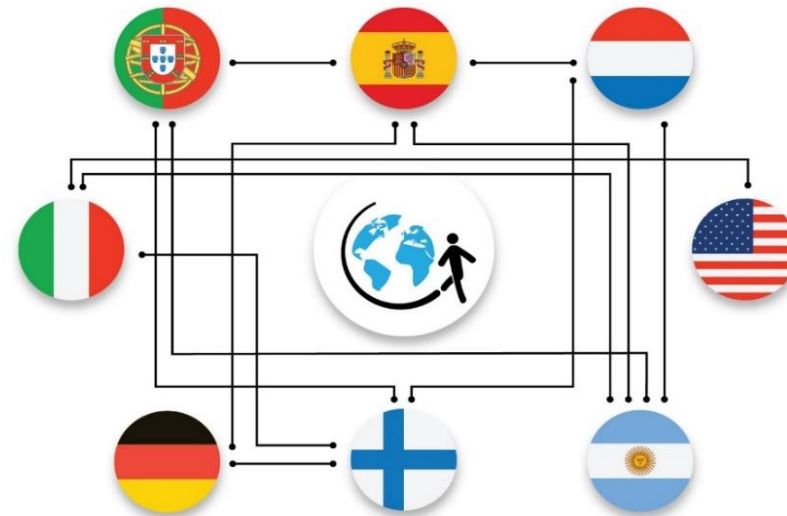
CONICET

FCEN - UBA



UNIVERSITÀ
DI PAVIA

Industrial Partners





H2020-MSCA-ITN-2020

Funded by the European Commission, the BioInspireSensing project is a trans-national network for training PhD students in investigating, building, and producing a new generation of bioinspired implantable sensors of pressure, temperature and acidity. New devices will be made of complex hybrid materials, composed of natural molecules and synthetic biopolymers, with the additional properties of being fully biocompatible and bioresorbable.

Reference: 955643

Start-End Date: 1 January 2021 - 31 December 2024

Grant Amount: 2,856,013€

Project Name: BIOINSPIRESENSING

Consortium: [Polytechnic University of Catalonia](#) (coordinator), [University of Teramo](#), [University of Warsaw](#), [4Dcell SAS](#), [University of Groningen](#), [VIB-KU Leuven](#), [University of Lausanne](#), [ZYMVOL BIOMODELING SL](#).



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BEST PRACTICES

- Make sure you plan ahead:
 - How will you find talent
 - How will you attract talent
 - Is the research well-aligned with the R&D plans of the company
 - How will the research make an impact