



# M. FÁTIMA LUCAS

## Chief Executive Officer

## SUMMARY

Computational chemist with 15+ years experience in determining the effects of structural changes in protein activity. Proven ability to successfully lead research teams. Expert computer-aided protein designer. Major strengths include a professional attitude, passion for research, leadership, and excellent verbal and written communication skills.



C/ Jordi Girona, 1-3, 08034 Barcelona, Spain



flucas@zymvol.com



<https://es.linkedin.com/in/fatimalucas>

## EDUCATION

**2003-2007**

**Ph.D. Computational Chemistry**  
University of Porto, Portugal

**2000-2002**

**M.Sc. Computational Chemistry**  
University of Porto, Portugal

**1994-2000**

**B.Sc. Chemistry**  
University of Porto, Portugal

## EXPERTISE

Biotechnology

Communication

Leadership

Protein engineering

Molecular modeling

## INTERESTS

Old books • Painting • Biotechnology

## EXPERIENCE

### CO-FOUNDER & CEO - ZYMVOL

**2017-**

Introducing innovative technology in European protein engineering market. Solidifying the company's position by building alliances and partnerships with other organizations as well as winning new business. High-level decision making on policy and strategy. Financial and personnel management.

### SENIOR RESEARCHER - ANAXOMICS BIOTECH

**2015-2016**

Coordinated the computational efforts within the INDOX European project (<http://www.indoxproject.eu> - total budget 7.7M€). Developed novel computer-aided protein engineering strategies. Managed research progress and presented results (deliverables, publications, project meetings, conferences).

### SENIOR RESEARCHER- BARCELONA SUPERCOMPUTING CENTER

**2013-2016**

Managed BSC's participation within the INDOX project. Develop automated computational protocols for protein engineering. Managed a team of 5 Ph.D. candidates. Contributed to European Research Council project "PELE – *a la carte* drug design" (total budget 1.4M€) Secured MINECO grant as co-PI 138k €. Published 23 research papers.

### RESEARCHER - BARCELONA SUPERCOMPUTING CENTER

**2008-2013**

Developed new strategies for ligand migration in proteins and induced-fit docking. Implemented new tools for quick sampling of DNA-ligand interaction. Planned and designed the research strategy. Wrote and secured 2 competitive personal research grant.

### POSTDOCTORAL RESEARCHER - UNIVERSITÀ DELLA CALABRIA

**2007-2008**

Studied the interaction of platinum based anti-cancer drugs with water using quantum methods. Published 6 manuscripts.

SCIENTIST | ENTREPRENEUR | ARTIST