

A LEADING AND COLLABORATIVE POLE IN COMPUTATIONAL BIOLOGY IN EUROPE

Fostering
Computational
Biology Research
and Innovation
in Lisbon



ABOUT

OLISSIPO is an international research project funded by the European Commission within its H2020 Research and Innovation programme “Spreading Excellence and Widening Participation – Twinning”.

OLISSIPO will enhance the competences in Computational Biology at INESC-ID in Lisbon, towards the creation of an international pole of excellence in multi-disciplinary science in Portugal.

MAIN OBJECTIVES

- Enhance INESC-ID research profile and innovation competence in Computational Biology
- Provide training to staff and Early Stage Researchers to build critical mass at the interface of computer science and health research
- Establish a leading pole of excellence in Computational Biology in Europe
- Support regional initiatives under the SMART specialization strategy for Lisbon and Portugal
- Strengthen and expand the collaborative network between the Twinning partners

INESC-ID

Coordination

Principal Investigator: **Prof. Susana Vinga**

Portugal



EMBL

Principal Investigator: **Dr. Wolfgang Huber**

International Organisation



ETH Zurich

Principal Investigator: **Prof. Niko Beerenwinkel**

Switzerland



Inria

Principal Investigator: **Dr. Marie-France Sagot**

France



Project Duration: January 2021 – December 2023

Budget: 900 K€

The OLISSIPO institutions will reinforce their expertise in theoretical modeling, computer science and statistical learning and with direct impact on biology, medicine and health applications.

TOPICS:

- Single-cell analysis, modeling and simulation
- Mathematical modeling of inter-cell and communities' interactions
- Computational phylogenetics of cells and communities
- Translational bioinformatics, data management and software development

"The OLISSIPO project will allow our INESC-ID team to improve their scientific profile in computational biology and significantly strengthen our international collaborations towards building a solid seed for exciting future activities."

Susana Vinga, Principal Investigator (INESC-ID)

"OLISSIPO will not only help us improve project management and administration skills to generate income, visibility, and competitive advantages for the institution, but it will also create a realistic and innovative research strategy to find our true potential."

Sara Tanqueiro, Project Manager (INESC-ID)

"For me, as an ESR, being part of this project is an empowering experience, because this allows me to not only participate in different workshops and conferences boosting my knowledge on computational biology, but also to share my research results and meet fellow peers across the world."

Carolina Peixoto, PhD in Bioengineering (Instituto Superior Técnico/INESC-ID)
Early Stage Researcher (ESR)

WORK PACKAGES

Staff exchanges

Joint events

Dissemination, Communication & Outreach

Enhancing Early Stage Researchers' proficiency

Training in Project Management

ACTIVITIES & EVENTS

Scientific Internships

Workshops and Courses

Summer and Winter Schools

OLISSIPO Twin Seminars

Presence in the Media

Outreach Activities for the wide Public



CONTACTS

PROJECT

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MORE INFORMATION

Subscribe to our newsletter and check upcoming events at:

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