

# 2<sup>nd</sup> Hands-on Computational Enzyme Design

May 3-4, 2021, ONLINE EDITION



## Introduction

Computational tools can dramatically accelerate the discovery and design of improved enzymes. This course will introduce a number of user friendly **web-based computational tools** for redesigning enzyme properties and will provide intensive **practical training**. The developers of those tools will run this highly interactive course. Participants will be able to use the software tools **independently** at the end of the course. Prior experience in modelling is not required and experimentalists are welcome to participate.



## Registration fees

	Academia	Industry
Early Till March 15, 2021	280 €	530 €
Late Till April 26, 2021	380 €	690 €

**Fee includes:** theoretical materials, protocols, tips and tricks, advanced exercises, personalized hands-on sessions, troubleshooting, certificate

★ Limited number of participants ★



## Program

### Main topics

- Mining of novel enzymes
- Design of protein solubility
- Design of enzyme activity and specificity
- Design of protein stability

### Web-tools covered

- EnzymeMiner
- Hotspot Wizard
- SoluProt, SolubiS
- Caver Web, CaverDock
- LoopGrafter
- FireProt, FireProt<sup>ASR</sup>, FireProt<sup>DB</sup>, CalFitter

### Workshop format

- Theoretical lectures
- Hands-on sessions
- User-personalized exercises



## Organizers

- Loschmidt Laboratories, Masaryk University (Czech Republic)
- Enantis Ltd.
- ELIXIR.CZ

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