

1st Hands-on Computational Enzyme Design

February 2-5, 2020, Brno, Czech Republic



Introduction

Computational tools can dramatically accelerate the discovery and design of improved enzymes. This course will introduce a wide range of **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 Nov. 30, 2019	850 €	1650 €
Late Till Dec. 16, 2019	1150 €	2250 €

Fee includes: workshop materials, welcome reception, graduation dinner, all main meals, city and Mendel museum guided tours.

★ Limited number of participants ★



Program

Main topics

- Mining novel enzymes
- Design of substrate specificity
- Design of catalytic activity
- Design of protein stability
- Design of protein solubility

Covered software tools

- AutoDock, Caver, CaverDock
- CalFitter, FireProt, Enzyme Miner
- Hotspot Wizard, Rosetta
- SoluProt, Solubis, Yasara

Workshop format

- Theory lectures
- Hands-on practicals
- Personalized user studies

Organizers

Loschmidt Laboratories, Masaryk University
ELIXIR.CZ

Enantis Ltd.

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Register now!

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