



FACULTY OF
SCIENCE
Charles University

Department of Physical and Macromolecular chemistry

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Department of Physical and Macromolecular Chemistry
invites you for a seminar
and
Professor public lecture

From Amino Acids to Proteins - from Simplicity to Complexity

Lecture hall CH 3, Faculty of Science, Hlavova 8, Praha 2
on October 20th, 2021 at 14:00

speaker: Assoc. Prof. Jiri Vondrasek, Ph.D.

Institute of Organic Chemistry and Biochemistry, Czech Academy of Sciences



Quantum chemistry and Bioinformatics contributed enormously to our current knowledge about structure of Proteins. The lecture will address evolution of methods which were successfully applied on the problem of Protein Structure Prediction resulting in advanced AI algorithms represented by program AlphaFold2. New achievements in structural molecular biology will be presented together with discussion about possible scenarios of further development of the field.

Organizers: Prof. Tomáš Obšil, Prof. Jiří Čejka, Dr. Jan Přečh