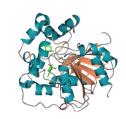


Machine Learning, Computational, AI and IT Tools and Methodologies in Biocatalysis November 19th 2021, 14.00-16.00 CET





• Chairs: Jennifer Littlechild (University of Exeter); Roland Wohlgemuth (Lodz University of Technology)

PROGRAMME: (25 min. lecture, 5 min. discussion)

• 14.00-14.30 Prof. Dr. Janet Thornton, European Bioinformatics Institute (EMBL-EBI) Wellcome Genome Campus Hinxton, Cambridge, United Kingdom

Title: Implications and Applications of AlphaFold

• 14.30-15.00 Dr. Bas Vroling, Bio-Prodict & Centre for Molecular and Biomolecular Informatics (CMBI), Radboud University Medical Center, Nijmegen, The Netherlands

Title: Advanced sequence representations for machine learning-based protein engineering

• 15.00-15.30 Prof. Dr. Zbynek Prokop, Loschmidt Laboratories, Department of Experimental Biology and RECETOX, Faculty of Science, Masaryk University, and International Clinical Research Center, St. Anne's University Hospital Brno, Brno, Czech Republic

Title: Discovery and engineering of biocatalysts powered by microfluidics, molecular modelling and artificial intelligence

• 15.30-16.00 Prof. Dr. Jean-Louis Reymond, Department of Chemistry, Biochemistry and Pharmaceutical Sciences, University of Bern, Switzerland

Title: A molecular transformer approach for predicting biotransformations