

Monday, 13.09.2021	
8:15-8:30	Welcome
8:30-9:00	Thierry Langer – University of Vienna Adventures in Computer-Assisted Molecular Design
9:00-9:30	Stefan Boresch – University of Vienna Setting up MD Simulations of Biomolecules
9:30-10:00	Chris Oostenbrink – BOKU Vienna Applications of free energy calculations from molecular dynamics simulations
10:00-10:30	Break
10:30-11:00	Andrea Cavalli – University of Bologna Dynamic docking and free energy estimation approaches to drug discovery
11:00-11:30	Daria Goldmann – KNIME Predicting bioactivity in KNIME Analytics Platform
11:30-12:00	Marcus Gastreich – BioSolveIT Navigating Septillion-Sized Chemical Spaces
12:00-12:30	Matt Segall – Optibrium Multi-parameter Optimisation in Drug Discovery: Targeting compounds with a high chance of success
12:30-13:30	Lunch Break
13:30-15:00	Workshops (running in parallel) BioSolveIT beginners, StarDrop beginners, KNIME beginners
15:00-15:30	Break
15:30-17:00	Workshops (running in parallel) BioSolveIT advanced, StarDrop advanced, KNIME advanced
17:00-17:30	Break
17:30-18:00	Virtual Vienna Tour

Tuesday, 14.09.2021	
8:30-9:00	Gerhard Ecker – University of Vienna Integrated approaches for toxicity prediction
9:00-9:30	Andrea Volkamer – Charité Universitätsmedizin Berlin <i>In silico</i> Tools to Support Risk Assessment of Small Molecules
9:30-10:00	Johannes Kirchmair – University of Vienna <i>In silico</i> prediction of drug metabolism
10:00-10:30	Break
10:30-11:00	Manuel Pastor – Universitat Pompeu Fabra Application of knowledge-based computational methods in Toxicology
11:00-11:30	Philipp Jäger – Boehringer-Ingelheim Integrative data approaches for smart PROTAC designs
11:30-12:00	Gunther Stahl – OpenEye Virtual Screening - from small to LARGE scale - from local to the cloud
12:00-12:30	Stephan Ehrlich – Schrödinger Structure-based screening of large chemical libraries
12:30-13:30	Lunch Break
13:30-15:00	Workshops (running in parallel) Schrödinger beginners, Open Eye, eTransafe Flame
15:00-15:30	Break
15:30-17:00	Workshops (running in parallel) Schrödinger advanced, Open Eye
17:00-17:30	Break
17:30-19:00	Career Session (Panel discussion) Margot Ernst (Medical University of Vienna), Daria Goldmann (KNIME), Alexander Hillisch (Bayer AG), Martin Kotev (Evotec), Floriane Montanari (Bayer AG), Doris Schütz (IRIC - University of Montreal), Alžběta Türková (Uppsala University); Moderation: Gerhard Ecker (University of Vienna)

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Wednesday, 15.09.2021	
8:30-9:00	Margot Ernst – Medical University of Vienna Homology modeling in the gray zone of low sequence similarity
9:00-9:30	Wolfgang Sippl – Martin Luther University of Halle-Wittenberg Structure based design of selective ligands for epigenetic targets
9:30-10:00	Gerhard Wolber – Freie Universität Berlin In silico pharmacology: Pyrod and dynophores as powerful computational microscopes to decode receptor function
10:00-10:30	Break
10:30-11:00	Barbara Zdrazil – University of Vienna Deciphering the molecular basis of ligand-recognition and selectivity in hepatic Organic Anion Transporting Polypeptides
11:00-11:30	F. Javier Luque – University of Barcelona / Pharmacelera From simple solvation models to applications in target druggability and screening of drug-like compounds
11:30-12:00	Sharon Bryant – Inte:Ligand De-Risking Compound Structures for Neurotoxicity: The NeuroDeRisk Inte:Ligand Profiler
12:00-12:30	Andrew Henry – Chemical Computing Group MOEsaic: Guiding Multi-Parameter Optimization in Ligand-Based Design
12:30-13:30	Lunch Break
13:30-15:00	Workshops (running in parallel) CCG, Ligand:Scout beginners, Pharmacelera
15:00-15:30	Break
15:30-17:00	Workshops (running in parallel) Ligand:Scout advanced, CCDC
17:30	Poster Session 1 Posters 1-36

Thursday, 16.09.2021	
8:30-9:00	Dužanka Janežič – University of Primorska Protein Binding Sites Tools for Innovative Drug Design
9:00-9:30	Alexander Hillisch – Bayer AG Design and Preclinical Characterization Program Towards BAY 2433334, an Oral Factor XIa Inhibitor for the Prevention and
9:30-10:00	Claire Colas – University of Vienna Structure based ligand discovery methods applied to Solute Carrier Transporters
10:00-10:30	Break
10:30-11:00	Floriane Montanari – Bayer AG An introduction to explainable AI for small molecules
11:00-11:30	Daniela Digles – University of Vienna Analysing Solute Carrier (SLC) substrates with KNIME
11:30-12:00	Stuart Firth-Clark – Cresset Using Spark™ and Flare™ to design and prioritize novel molecules in a drug design project
12:00-12:30	Lorena Zara – Discngine Learn how to navigate the vast and rich protein structural space with 3decision
12:30-13:30	Lunch Break
13:30-15:00	Workshops (running in parallel) Cresset beginners, Discngine beginner 1, eTransafe UNIVIE Modeling Tools
15:00-15:30	Break
15:30-17:00	Workshops (running in parallel) Cresset advanced, Discngine beginner 2 (group 1)
17:00-17:30	Break
17:30	Poster Session 2 Posters 37-72

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Friday, 17.09.2021	
8:30-9:00	Abhik Mukhopadhyay – CCDC Ligand based virtual screening in Drug discovery
9:00-9:30	Klaus-Jürgen Schleifer – BASF Learning from Ligands
9:30-10:00	Gerhard Hessler – Sanofi Computational Design of macrocyclic compounds
10:00-10:30	Break
10:30-10:45	Oliver Wieder – University of Vienna Improved lipophilicity and aqueous solubility prediction with composite graph neural networks.
10:45-11:00	Theresa Noonan – Freie Universität Berlin (EUROPIN Student) Inhibiting Bacterial Ribosomal Assembly as a Novel Antibiotic Approach
11:00-11:15	Theres Friesacher – University of Vienna Molecular Dynamic Simulations of Ion Channels: Investigating a Rare Disease Mutation through the Computational Microscope
11:15-11:30	Dominique Sydow - Charité Universitätsmedizin Berlin KISim: Subpocket-Enhanced Kinase Similarity Assessment for Off-Target Prediction
11:30-11:45	Barbara Füzi – University of Vienna (EUROPIN Student) Pathway and network studies of toxic compounds
11:45-12:00	Doha Naga – Hofmann La Roche / University of Vienna Automated machine learning in drug discovery
12:00-12:15	Stefan Kohlbacher – University of Vienna QPhAR: Quantitative Pharmacophore Activity Relationship
12:15-12:30	Christian Permann – University of Vienna Greedy 3-Point Search (G3PS) - A novel algorithm for pharmacophore alignment
12:30-13:30	Closing & Lunch Break
13:30-16:30	Presentations from EUROPIN Students & Applicants See agenda below
16:30-18:00	Workshops Discngine beginner 2 (group 2)

Friday, 17.09.2021 – Presentations from EUROPIN students	
13:30 - 13:45	Szymon Pach – Freie Universität Berlin Tracing interactions of SARS Cov2 spike protein in complex with animal ACE2 orthologs
13:45 - 14:00	Nguyen Trung Ngoc – Freie Universität Berlin ACE2-variants indicate potential SARS-CoV-2 susceptibility in animals: data analysis
14:00 - 14:15	Pablo Rodríguez Belenguer – Pompeu Fabra University Combining machine learning models for improving their predictive quality and usefulness in biomedical applications
14:15 - 14:30	Kristina Puls – Freie Universität Berlin Mechanistic investigation and development of tailored modulators of the Kappa opioid receptor
14:30 - 14:45	Nejra Granulo – University of Vienna The macrocyclic landscape of SLCs
14:45 - 15:00	Alexander Wolf – Freie Universität Berlin <i>In silico</i> modelling of human Cytochrome P450 enzymes
15:00 - 15:15	Break
15:15 - 15:30	Aljoša Smajić – University of Vienna Decentralized machine learning approaches for toxicity predictions
15:30 - 15:45	Francesca Galvani – University of Parma Multiscale simulations for the design of new drug-like compounds
15:45 - 16:00	Jiahui Huang – University of Vienna Structure landscape analysis and functional mapping of mutations on SLC transporters
16:00 - 16:15	Gian Marco Elisi – University of Parma Free-energy simulations on melatonin receptors ligands
16:15	Closing