

**Drug Research Academy**  
**SUMMER SCHOOL 2022**  
**Poster session (2nd year PhD students)**

First name	Family name	Department	Poster no.	Time slot 1: 1st year students	Time slot 2: 3rd year students	Poster title	Principal supervisor
<b>Poster group 1</b>		<b>Chair (1st year students): Natalja Genina</b>					
Chengqian	Zhang	Pharmacy	1	16:30 - 16:40	17:10 - 17:20	L-leucine as an excipient to protect amorphous spray-dried lysozyme-trehalose formulations from water uptake and moisture-induced recrystallization and destabilization	Mingshi Yang
Denny	Suljovic	Pharmacy	2	16:40 - 16:50	17: 20 - 17:30	Influence of Protein Content on Drug Solubility in Fasted State Simulated Colonic Media	Anette Mullertz
Ilari	Ahola	Pharmacy	3	16:50 - 17:00	17:30 - 17:40	Quantification and imaging of citalopram hydrobromide in patient-tailored porous products with spectroscopic techniques	Natalja Genina
Moritz	Anuschek	Pharmacy	4	17:00 - 17:10	16:30 - 16:40	Terahertz transmission measurements to assess blending dynamic and uniformity	Jukka Rantanen
Rong	Di	Pharmacy	5	17:10 - 17:20	16:40 - 16:50	Investigation of the effect of grinding on quench-cooled co-amorphous systems	Thomas Rades
Xiaoyue	Xu	Pharmacy	6	17: 20 - 17:30	16:50 - 17:00	Thermal investigation of hydrated co-amorphous systems of nicotinamide and prilocaine	Thomas Rades
Xuezhi	Zhuo	Pharmacy	7	17:30 - 17:40	17:00 - 17:10	Amorphous stabilization of indomethacin using beta-lactoglobulin	Korbinian Löbmann
<b>Poster group 2</b>		<b>Chair (1st year students): Mie Kristensen</b>					
Celina	Pihl	Pharmacy	8	16:30 - 16:40	17:10 - 17:20	Pharmacological photoprotection in a keratinocyte carcinoma mouse model	Catharina Lerche
Rui	Peng	Pharmacy	9	16:40 - 16:50	17: 20 - 17:30	The relationship between solubility and maximum degree of supersaturation in self-emulsifying drug delivery system (SNEDDS)	Anette Müllertz
Freja	Fredholt	Pharmacy	10	16:50 - 17:00	17:30 - 17:40	Tracking and pharmacodynamics of insulin-permeation enhancer tablets in rats	Hanne Mørck Nielsen
Jiayu	Dai	Pharmacy	11	17:00 - 17:10	16:30 - 16:40	Dehydration Mechanism of Unconventional Pharmaceutical Hydrates: A case of Creatine Phosphate Sodium	Jukka Rantanen

Kleopatra	Kalouta	Pharmacy	12	17:10 - 17:20	16:40 - 16:50	Sustainable strategies for waterborne electrospinning of green, tunable and biocompatible soy protein isolate-based nanofibers	Vito Foderà
Lauritz	Brorsen	Pharmacy	13	17: 20 - 17:30	16:50 - 17:00	Mass Spectrometry for accurate characterization of Squamous Cell Carcinoma	Catharina Lerche
Patrick	Frøslev	Pharmacy	14	17:30 - 17:40	17:00 - 17:10	Target and modulate specific tight junctions to alter the intestinal epithelial barrier integrity for enhanced oral drug delivery of biopharmaceuticals	Hanne Mørck Nielsen
<b>Poster group 3</b>	<b>Chair (1st year students): Blanca Aldana</b>						
Aikaterini	Skorda	Drug Design and Pharmacology	15	16:30 - 16:40	17:10 - 17:20	Ex vivo screening and analysis of novel effective treatments for ovarian cancer	Tuula Kallunki
Benjamin	Bejder	Drug Design and Pharmacology	16	16:40 - 16:50	17: 20 - 17:30	Autoinducing peptides from <i>Listeria monocytogenes</i> spontaneously rearrange to form homodetic cyclic peptides	Christian Adam Olsen
Hendrik	Harms	Drug Design and Pharmacology	17	16:50 - 17:00	17:30 - 17:40	Unravelling the functional regulation of the enigmatic sodium leak channel NALCN by G-protein-coupled receptors	Stephan Pless
Emilie	Nielsen	Pharmacy	18	17:00 - 17:10	16:30 - 16:40	Interplay between membrane vesicles and host defence peptides during infection and their potential for targeted drug delivery of antimicrobials	Mariena Van der Plas
Jens Rovelt	Andreasen	Drug Design and Pharmacology	19	17:10 - 17:20	16:40 - 16:50	Finding Ophthalmic Risk and Evaluating the Value of Eye exams and their predictive Reliability - FOREVER	Miriam Kolko
Josefine	Clement Freiberg	Drug Design and Pharmacology	20	17: 20 - 17:30	16:50 - 17:00	Retinal vessel morphology - a NEW risk factor for glaucoma?	Miriam Kolko
Peter	Egelund	Drug Design and Pharmacology	21	17:30 - 17:40	17:00 - 17:10	Green SPPS: Replacing DMF in Solid-Phase Peptide Synthesis	Christian Adam Olsen
<b>Poster group 4</b>	<b>Chair (1st year students): Stephan Pless</b>						
Daniela	Danková	Drug Design and Pharmacology	22	16:30 - 16:40	17:00 - 17:10	Chemical knockdown of HDAC3 increases histone lactylation	Christian Adam Olsen
David	Kouvchinov	NNF Center for Basic Metabolic Research	23	16:40 - 16:50	17:10 - 17:20	Structure-based Discovery of GPR3 Ligands	Thomas Frimurer
Janina	Dahmen	Drug Design and Pharmacology	24	16:50 - 17:00	17: 20 - 17:30	Identifying <i>de novo</i> cyclic peptide correctors of protein folding	Joseph Rogers
Johan	Jørgensen	Drug Design and Pharmacology	25	17:00 - 17:10	16:30 - 16:40	Next generation polymyxins for the treatment of MDR pathogens	Henrik Franzyk

Mariana Yolotzin	García Bermúdez	Drug Design and Pharmacology	26	17:10 - 17:20	16:40 - 16:50	Metabolic effects of the retina in a murine model of AD (TgSwDI)	Miriam Kolko
Tobias	Nørby Hansen	Drug Design and Pharmacology	27	17: 20 - 17:30	16:50 - 17:00	Inhibition of the Human SIRT5 Lysine Deacylase Enzyme	Christian Adam Olsen
<b>Poster group 5</b>	<b>Chair (1st year students): Anders Bach</b>						
Aslihan	Shenol	NNF Center for Basic Metabolic Research	28	16:30 - 16:40	17:10 - 17:20	Molecular Mechanism of Ligand Binding Pathways and Activation of the Succinate Receptor	Thue Schwartz
Asmita	Manandhar	Drug Design and Pharmacology	29	16:40 - 16:50	17: 20 - 17:30	Development of GPR84 Antagonists	Trond Ulven
Fabian	Pfersdorf	Biomedical Sciences	30	16:50 - 17:00	17:30 - 17:40	Receptor-Activity Modifying Protein 3 impairs Atypical Chemokine Receptor 3 ligand scavenging	Martin Gustavsson
Parisa	Rezaee	Drug Design and Pharmacology	31	17:00 - 17:10	16:30 - 16:40	FLIM-FRET imaging of synaptic AMPA receptors: new principle for elucidation of subtype-specific contributions to LTP	Anders Skov Kristensen
Ruyu	Yan	Drug Design and Pharmacology	32	17:10 - 17:20	16:40 - 16:50	Structural studies of the human proton-coupled folate transporter PCFT	Osman Asghar Mirza
Salvia	Sajid	Drug Design and Pharmacology	33	17: 20 - 17:30	16:50 - 17:00	Chloramphenicol uptake in lab strain of <i>E. coli</i> BL21(DE3)pLysS harboring a chloramphenicol resistant gene (CAT)	Osman Asghar Mirza
Yuting	Qin	Drug Design and Pharmacology	34	17:30 - 17:40	17:00 - 17:10	Optimization of fragment hits towards novel small-molecule Keap1 inhibitors	Anders Bach