

**Drug Research Academy  
SUMMER SCHOOL 2019  
Poster session (2nd year PhD students)**

First name	Family name	Department	Poster no.	Time slot 1:	Time slot 2:	Poster title
				1st year students	3rd year students	
<b>Poster group 1</b>		<b>Chair: Lotte Stig Nørgaard</b>				
Camilla	Thorlaksen	Pharmacy	1	13:20 - 13:30	13:50 - 14:00	Generation and Characterization of Homogenous Protein Aggregate Populations Varying in Single Features
Danai	Panou	Pharmacy	2	13:30 - 13:40	14:00 - 14:10	In vitro investigation of a cell penetrating peptide as a tight junction modulator for enhancement of drug absorption across intestinal epithelium
Laura	Lech	Pharmacy	3	13:40 - 13:50	14:10 - 14:20	Pharmacists bridging the gap between secondary and primary care medication
Liv Sofia Elinor	Damgaard	Pharmacy	4	13:50 - 14:00	13:20 - 13:30	Modelling human stratum corneum in atopic dermatitis patients
Xin	Zhou	Pharmacy	5	14:00 - 14:10	13:30 - 13:40	Polysorbate 80 modulates insulin amyloid-like spherulite properties: towards tunable materials based on protein microparticles
Zhuoxuan	Li	Pharmacy	6	14:10 - 14:20	13:40 - 13:50	Initial leuprolide acetate release from in situ forming implants as studied by UV-Vis imaging
<b>Poster group 2</b>		<b>Chair: Claus Cornett</b>				
Shaolong	He	Pharmacy	7	13:20 - 13:30	13:50 - 14:00	Preparation and characterization of microenvironmental pH (pHM) modifying films for buccal delivery of saquinavir
Yingya	Wang	Pharmacy	8	13:30 - 13:40	14:00 - 14:10	Powder-bed 3D printing of diverse excipients
Zishuo	Yuan	Pharmacy	9	13:40 - 13:50	14:10 - 14:20	A novel microfluidic oxygen gradient generator for in vitro ischemic stroke models

Nan	Lu	Pharmacy	10	13:50 - 14:00	13:20 - 13:30	A single thiol-ene polymer microfluidic device to integrate continuous on-chip digestion, separation and characterization with mass spectrometry
Anne Linnet	Skelbæk-Pedersen	Pharmacy	11	14:00 - 14:10	13:30 - 13:40	Effect of fragmentation on dissolution
Laura	Grauslund	Pharmacy	12	14:10 - 14:20	13:40 - 13:50	Investigating the humoral response to vaccination through mass spectrometry
<b>Poster group 3</b>	<b>Chair: Birger Brodin</b>					
Alma	Akhmetova	Pharmacy	13	13:20 - 13:30	13:50 - 14:00	Zein nanofibers for wound healing
Henrik	Palmelund	Pharmacy	14	13:30 - 13:40	14:00 - 14:10	Computational predictions of drug solubility in a deep eutectic solvent
Maja Nørgaard	Kristensen	Pharmacy	15	13:40 - 13:50	13:20 - 13:30	Microcontainers for targeting intestinal lesions in inflammatory bowel disease
Nele	Hempel	Pharmacy	16	13:50 - 14:00	13:30 - 13:40	In situ drug amorphization in the microwave oven using a polymer mixture of PEG and PVP
Xiaona	Liu	Pharmacy	17	14:00 - 14:10	13:40 - 13:50	Study of equilibrium solubility test by saturation shake-flask method in lipid-based formulations
<b>Poster group 4</b>	<b>Chair: Petrine Wellendorph</b>					
Jens	Andersen	Drug Design and Pharmacology	18	13:20 - 13:30	13:50 - 14:00	Astrocyte metabolism of GABA in acute brain slices
Claudia	Weidling	Drug Design and Pharmacology	19	13:30 - 13:40	14:00 - 14:10	Functional characterization of disease-causing mutations in a sodium leak channel
Jonas	Petersen	Drug Design and Pharmacology and Novo Nordisk Foundation Center for Basic Metabolic Research	20	13:40 - 13:50	14:10 - 14:20	Designing polyagonists for treatment of metabolic diseases
Icaro	Simon	Drug Design and Pharmacology	21	13:50 - 14:00	13:20 - 13:30	A hydrophobic tunnel can explain the binding of hallucinogenic amphetamines in the 5-HT <sub>2A</sub> receptor
Mads	Nygaard	Drug Design and Pharmacology	22	14:00 - 14:10	13:30 - 13:40	Structure-based design of peptides for inhibitors of protein-protein interactions

Cecilie	Bonnesen	Drug Design and Pharmacology	23	14:10 - 14:20	13:40 - 13:50	Crystallization of receptor-ligand complexes to examine functional selectivity of the 5-HT <sub>2A</sub> receptor
<b>Poster group 5</b>	<b>Chair: Dan Stærk</b>					
Athanasios	Papangelis	Drug Design and Pharmacology	24	13:20 - 13:30	13:50 - 14:00	Targeting the CNS with phospholipids
Jie	Zang	Drug Design and Pharmacology	25	13:30 - 13:40	14:00 - 14:10	Developing p47phox-p22phox protein-protein interaction inhibitors by fragment-based drug discovery
Yue	Xu	Drug Design and Pharmacology	26	13:40 - 13:50	14:10 - 14:20	Pregnenolone sulfate analogues as negative allosteric modulators for GABA <sub>A</sub> receptor – Chemistry, pharmacology & MD simulation
Klas	Bratteby	Drug Design and Pharmacology	27	13:50 - 14:00	13:20 - 13:30	In Vivo Veritas – <sup>18</sup> F-radiolabeled glycomimetics allow insights into the pharmacological fate of galectin-3 inhibitors
Julie Eilskov	Bolding	Drug Design and Pharmacology	28	14:00 - 14:10	13:30 - 13:40	Covalent inhibition of the human sirtuin 5 deacylase enzyme
Laura	d'Andrea	Drug Design and Pharmacology	29	14:10 - 14:20	13:40 - 13:50	From hallucinogens to medical tools: design, synthesis and in vitro testing of biased serotonin 5-HT <sub>2A</sub> receptor agonists