

# Drug Research Academy SUMMER SCHOOL 2016

## Oral sessions (3rd year PhD students)

Letter	Name	Department	Time slot	Title
<b>Stream 1 before lunch</b>				
A	Anna Cederbalk	Drug Design and Pharmacology	11:00 - 11:20	Towards the development of PDE1b PET ligands
B	Christian Poulie	Drug Design and Pharmacology	11:20 - 11:40	Design and Synthesis of Bivalent Ligands for the Putative mGlu2/5HT2A Receptor Complex
C	Ida Nymann Petersen	Drug Design and Pharmacology	11:40 - 12:00	Fluorine-18 labelling of electronrich 5-HT2AR agonists
D	Helle Marie Esbjørn Kristensen	Drug Design and Pharmacology	12:00 - 12:20	Inhibitory effect of various zinc-binding groups on HDAC1-11
<b>Stream 1 after lunch</b>				
E	Anne Stæhr Haugaard	Drug Design and Pharmacology	15:20 - 15:40	Development of selective ligands targeting the betaine/GABA transporter 1 (BGT1)
F	Nima Rajabi	Drug Design and Pharmacology	15:40 - 16:00	Development of sirtuin inhibitors
G	Thu Phuong Tran	Drug Design and Pharmacology	16:00 - 16:20	Diversity oriented peptide stapling: Towards inhibitors of Gs protein - GPCR coupling
H	Sebastian Leth-Petersen	Drug Design and Pharmacology	16:20 - 16:40	Metabolic Fate of Hallucinogenic NBOMes
I	Jacob Hansen	Drug Design and Pharmacology	16:40 - 17:00	New beta-sulfonamido Aspartate analogs as selective inhibitors for EAATs
<b>Stream 2 before lunch</b>				
J	Signe Schmidt	Pharmacy	11:00 - 11:20	Design of emulsion-based vaccine adjuvants for induction of simultaneous cell-mediated and humoral immune responses: A quality-by-design approach
K	Sofie Hedegaard	Pharmacy	11:20 - 11:40	Membrane Effects of Fluorophore Labeling of Cell-Penetrating Peptides
L	Erica Tornabene	Pharmacy	11:40 - 12:00	In vitro modeling of the ischemic blood-brain barrier
M	Sofie Hørlyck	Pharmacy	12:00 - 12:20	ATP induces intracellular calcium response and contraction of brain capillary pericytes

<b>Stream 2 after lunch</b>				
N	Walden Bjørn-Yoshimoto	Drug Design and Pharmacology	15:20 - 15:40	Novel modulators of the excitatory amino acid transporters
O	Anne Cathrine Nøhr Jensen	Drug Design and Pharmacology	15:40 - 16:00	The orphan G protein-coupled receptor GPR139 is activated by the peptides ACTH, $\alpha$ -MSH, $\beta$ -MSH, and the conserved core motif HFRW
P	Federica Gasparri	Drug Design and Pharmacology	16:00 - 16:20	P2X RECEPTORS: MOLECULAR DETERMINANTS FOR LIGAND RECOGNITION AND LIGAND SELECTIVITY
Q	Natalia Molchanova	Drug Design and Pharmacology	16:20 - 16:40	Roles of hydrophobicity, fluorination and distribution of cationic residues in $\alpha$ -peptide/ $\beta$ -peptoids for antibacterial and hemolytic properties
R	Bingrui Liu	Drug Design and Pharmacology	16:40 - 17:00	Bioassay Profiling Coupled HPLC-HRMS-SPE-NMR: Identification of Anti-diabetic Compounds Oriented Natural Plants
<b>Stream 3 before lunch</b>				
S	Esben Trabjerg	Pharmacy	11:00 - 11:20	Electrochemical reduction of large and highly disulfide-bonded proteins – towards comprehensive structural analysis by mass spectrometry
T	Lærke Arnfast	Pharmacy	11:20 - 11:40	In-line Raman spectroscopy and Multivariate Curve Resolution for Visualization of Process-Induced Solid-State Transformations during Hot Melt Extrusion
U	Maria Doreth	Pharmacy	11:40 - 12:00	Improving the solubility of indomethacin in a household microwave
V	Nawin Pudasaini	Pharmacy	12:00 - 12:20	Processability assessment of crystal habit modified Mesalazine
<b>Stream 3 after lunch</b>				
X	Xiaozhou Li	Pharmacy	15:20 - 15:40	The application of molecular dynamics with NMR crystallography for solid-state pharmaceuticals
Y	Yu Sun	Pharmacy	15:40 - 16:00	Dual wavelength UV-Vis imaging, an in vitro platform for investigation of precipitation and dissolution of piroxicam
Z	Zeinab Esmail Nazari	Pharmacy	16:00 - 16:20	Conformational analysis of proteins in highly concentrated solutions by dialysis-coupled hydrogen/deuterium exchange mass spectrometry
Æ	Eva Marxen	Pharmacy	16:20 - 16:40	A study of the permeability barriers to nicotine in porcine buccal mucosa
Ø	Ulrich Berner Høgstedt	Pharmacy	16:40 - 17:00	Effect of salts on the peptide-peptide interactions of three model peptides

**Assessment committees/chairs:**

**Stream 1**

Jesper L. Kristensen	Drug Design and Pharmacology
Christian Adam Olsen	Drug Design and Pharmacology
Daniel Sejer Pedersen	Drug Design and Pharmacology

**Stream 2**

Jette Sandholm Kastrup

Lasse Bak

Thomas Kledal

Drug Design and Pharmacology

Drug Design and Pharmacology

DTU

**Stream 3**

Jörg Kutter

Helen Sjögren

Mingshi Yang

Pharmacy

Ferring Pharmaceuticals

Pharmacy