

## Drug Research Academy SUMMER SCHOOL 2016

### 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	Title
<b>Poster group 1</b>		<b>Chair: Dan Stærk</b>				
Rita	Lima	Drug Design and Pharmacology	1	13:20 - 13:30	13:50 - 14:00	HPLC-HRMS-SPE-NMR for accelerated identification of compounds in complex plant extracts: New coumarine derivatives from <i>Coleonema album</i> (Thunb.) Bartl. & Wendl.
Birgit	Gaiser	Drug Design and Pharmacology	2	13:30 - 13:40	14:00 - 14:10	Targeting Meta-Stable Binding Sites with Bitopic Ligands – A New Concept in GPCR Medicinal Chemistry
Johanna	Steen	Drug Design and Pharmacology	3	13:40 - 13:50	14:10 - 14:20	Preliminary in vivo Evaluation of a <sup>11</sup> C-labeled Tetrazine for Pretargeted PET Imaging
Binh	Trinh	Drug Design and Pharmacology	4	13:50 - 14:00	13:20 - 13:30	$\alpha$ -Glucosidase inhibitors from <i>Phyllanthus amarus</i> and <i>Phyllanthus urinaria</i>
Malene	Christensen	Drug Design and Pharmacology	5	14:00 - 14:10	13:30 - 13:40	Analysis of highly cationic cell-penetrating peptides by hyphenated HPLC methods
Maliheh	Najari Beidokhti	Drug Design and Pharmacology	6	14:10 - 14:20	13:40 - 13:50	Assessment of the antidiabetic potential of selected medicinal plants using in vitro bioassays of muscle glucose transport and liver glucose production
<b>Poster group 2</b>		<b>Chair: Anders Bach</b>				
Iacopo	Galleano	Drug Design and Pharmacology	7	13:20 - 13:30	13:50 - 14:00	SIRT2 inhibitors evaluation using fluorogenic, long chain acyl substrate in a continuous fashion
Markus	Staudt	Drug Design and Pharmacology	8	13:30 - 13:40	14:00 - 14:10	Synthesis of Structurally-Constrained Glutamate Analogs as Selective Agonists at Metabotropic Glutamate Receptor Group III

Signe	Grinberga	Drug Design and Pharmacology	9	13:40 - 13:50	14:10 - 14:20	Synthesis and pharmacological evaluation of amidine based ligands as GABAA receptor agonists
Silke	Kayser	Drug Design and Pharmacology	10	13:50 - 14:00	13:20 - 13:30	Development of new chemical probes for the ionotropic glutamate receptor
Sophie	Valembois	Drug Design and Pharmacology	11	14:00 - 14:10	13:30 - 13:40	Identification of imidazole-4-acetic acid as new potent taurine influx inhibitor through characterization of TAUT-mediated retinal delivery
Tung	Truong Thanh	Drug Design and Pharmacology	12	14:10 - 14:20	13:40 - 13:50	Microwave-assisted synthesis of fusaric acid and analogues as potential quorum sensing inhibitors
<b>Poster group 3</b>	<b>Chair: Bente Vestergaard</b>					
Nanda Gowtham	Aduri	Drug Design and Pharmacology	13	13:20 - 13:30	13:50 - 14:00	Salt-bridge Swapping in the EXXERFXYY Motif of Proton Coupled Oligopeptide Transporters
Mohamed	Shehata	Drug Design and Pharmacology	14	13:30 - 13:40	14:00 - 14:10	IS THE ORPHAN GPR139 A PEPTIDE RECEPTOR?
Stine	Møllerud	Drug Design and Pharmacology	15	13:40 - 13:50	14:10 - 14:20	Structural and pharmacological characterization of the kainate receptor subunit GluK5
Tsonko	Tsonkov	Drug Design and Pharmacology	16	13:50 - 14:00	13:20 - 13:30	Design of Focused Compound Screening Libraries For Peptide G protein-coupled receptors
Christina	Grønberg	Biomedical Sciences	17	14:00 - 14:10	13:30 - 13:40	YIELDS SUFFICIENT FOR STRUCTURAL STUDIES OF FUNCTIONAL HUMAN ATP7B – THE WILSON'S DISEASE PROTEIN
Matthias	Wulf	Drug Design and Pharmacology	18	14:10 - 14:20	13:40 - 13:50	Ultra-fast patch clamp fluorometry for ligand-gated ion channels
<b>Poster group 4</b>	<b>Chair: Helle Waagepetersen</b>					
Charlotte	Stenum-Berg	Drug Design and Pharmacology	19	13:20 - 13:30	14:00 - 14:10	Identification and characterization of the binding pocket for negative allosteric modulators in AMPA receptors
Christinna V.	Jørgensen	Drug Design and Pharmacology	20	13:30 - 13:40	14:10 - 14:20	Holistic pharmacological analysis of endogenous GPCR signalling in primary preadipocytes and differentiated adipocytes
Emma	Olander	Drug Design and Pharmacology	21	13:40 - 13:50	14:20 - 14:30	Functional characterization of the positive allosteric modulator AA29504 at human GABAA receptors expressed in Xenopus oocytes

Louise	Thiesen	Drug Design and Pharmacology	22	13:50 - 14:00	13:20 - 13:30	Attempts to identify the elusive GHB transporter within the SLC6A family of transporters
Suzan	Fares	Neuroscience and Pharmacology	23	14:00 - 14:10	13:30 - 13:40	Immune-evasion function of the G protein-coupled receptor BILF1
Angela	Arsova	Drug Design and Pharmacology	24	14:10 - 14:20	13:40 - 13:50	$\beta$ -arrestin mediated internalization and biased signaling in mGluR5
Filip	Polli	Drug Design and Pharmacology	25	14:20 - 14:30	13:50 - 14:00	Exposure to nicotine during gestation alters cellular excitability of neurons involved in signalling reward to drugs of abuse
<b>Poster group 5</b>	<b>Chair: Korbinian Löbmann</b>					
Jingying	Liu	Pharmacy	26	13:20 - 13:30	14:00 - 14:10	Evaluating the influence of SNEDDS on the transport of insulin by Caco-2 and Caco-2/HT29-MTX co-culture in vitro cell models
Lasse	Blaabjerg	Pharmacy	27	13:30 - 13:40	14:10 - 14:20	Determination of physical stability of amorphous drugs by sorption behaviour
Shen	Helvig	Pharmacy	28	13:40 - 13:50	14:20 - 14:30	Cancer Cell Response of Cubosomes and Hexosomes
Georgia	Kasten	Pharmacy	29	13:50 - 14:00	13:20 - 13:30	Fast screening method for co-amorphous blends
Alexander	Jönsson	Pharmacy	30	14:00 - 14:10	13:30 - 13:40	Simple and versatile thiol-ene - based microfluidic devices for chromatographic separations
Ulrik Hvid	Mistarz	Pharmacy	31	14:10 - 14:20	13:40 - 13:50	Expression, purification, and structural characterization of a promising malaria vaccine protein antigen – the heavily disulfide-bonded fusion protein comprising Pfs48/45 and GLURP
Johan	Weisser	Pharmacy	32	14:20 - 14:30	13:50 - 14:00	Using Wax Moth larvae ( <i>Galleria mellonella</i> ) as an in vivo model to study TK PK/PD for next-generation antibiotics
<b>Poster group 6</b>	<b>Chair: Camilla Foged</b>					
Anders	Larsen	Pharmacy	33	13:20 - 13:30	14:00 - 14:10	Computational dehydration using molecular dynamics simulations
Chengyu	Wu	Pharmacy	34	13:30 - 13:40	14:10 - 14:20	Evaluation of insulin containing PLGA microparticles prepared by spray drying method

Ditlev	Birch	Pharmacy	35	13:40 - 13:50	14:20 - 14:30	Fluorophore-labeling of the cell-penetrating peptide penetratin significantly alters cytotoxicity, translocation propensity and intracellular distribution in several cell lines
Wangding	Lu	Pharmacy	36	13:50 - 14:00	13:20 - 13:30	Investigation of Particle Formation Mechanism Between Two Chemical Compounds via Spray Drying Using a 3-Fluid Nozzle
Sylvia	Klodzinska	Pharmacy	37	14:00 - 14:10	13:30 - 13:40	Combining diagnostic methods for accelerated MIC and MBC determination
Donglei	Leng	Pharmacy	38	14:10 - 14:20	13:40 - 13:50	Preparation of budesonide PLGA nanoparticles
Eric	Kissi	Pharmacy	39	14:20 - 14:30	13:50 - 14:00	$\beta$ -relaxation, a predictive parameter for physical stability of pure amorphous drugs