

Drug Research Academy SUMMER SCHOOL 2018

Oral sessions (3rd year PhD students)

| Letter | Name | Department | Time slot | Title | Principal supervisor |
|------------------------------|-------------------------|------------------------------|---------------|---|------------------------|
| Stream 1 before lunch | | | | | |
| A | Ciaran Fitzpatrick | Drug Design and Pharmacology | 11:00 - 11:20 | Differential effects of chemogenetic inhibition on dopamine and norepinephrine neurons in the mouse 5-choice serial reaction time task | Jesper T. Andreasen |
| B | Maja Jessen | Drug Design and Pharmacology | 11:20 - 11:40 | Modulation of glutamate NMDA receptors by glycine site ligands | Hans Bräuner-Osborne |
| C | Filip de Souza Polli | Drug Design and Pharmacology | 11:40 - 12:00 | Impact of prenatal nicotine exposure (PNE) on glutamate signalling within the laterodorsal tegmentum nucleus (LDT) and behavior in mice | Kristi Kohlmeier |
| D | Mie Fabricius Pedersen | Drug Design and Pharmacology | 12:00 - 12:20 | Buprenorphine: An unappreciated biased agonist at the μ -opioid receptor | Hans Bräuner-Osborne |
| Stream 1 after lunch | | | | | |
| E | Lachlan Jake Munro | Drug Design and Pharmacology | 15:20 - 15:40 | Vortioxetine activity at the 5-HT _{3A} receptor | Anders Skov Kristensen |
| F | Michael Worch Boesgaard | Drug Design and Pharmacology | 15:40 - 16:00 | Probing the molecular determinants of the G protein selectivity of FR900359 | Hans Bräuner-Osborne |
| G | Altair Brito dos Santos | Drug Design and Pharmacology | 16:00 - 16:20 | Investigations of neuronal responses to an early and a late stage conformation of A-synuclein in Laterodorsal Tegmental (LDT), Pedunculopontine Tegmental (PPT) and Substantia Nigra (SN): Implications for early appearance of sleep disorders in Parkinson's Disease (PD) | Kristi Kohlmeier |
| H | Michael Lückmann | Biomedical Sciences | 16:20 - 16:40 | Molecular dynamics-guided discovery of an ago-allosteric modulator for GPR40/FFAR1 | Thue W. Schwartz |

Stream 2 before lunch

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| I | Monika Kruszyk | Drug Design and Pharmacology | 11:00 - 11:20 | Make life easier: Radical cross-coupling to access (fluoro)alkylated scaffolds | Jesper Langgard Kristensen |
| J | Bengt Gless | Drug Design and Pharmacology | 11:20 - 11:40 | Synthesis, identification and evaluation of auto-inducing peptides (AIPs) from staphylococci as quorum sensing inhibitors | Christian Adam Olsen |
| K | Jakob Staun Pallesen | Drug Design and Pharmacology | 11:40 - 12:00 | Deconstruction of small-molecule Keap1 inhibitors | Anders Bach |
| L | Elina Nyberg L'Estrade | Drug Design and Pharmacology | 12:00 - 12:20 | Accelerating PET ligand development: Optimization of a combinatorial-like, high-throughput development approach using condensation reactions | Matthias Herth |

Stream 2 after lunch

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| M | Louise Fletcher Nikolajsen | Drug Design and Pharmacology | 15:20 - 15:40 | Structural studies of G protein-coupled receptors | Jette Sandholm Kastrup |
| N | Julie Winkel Missel | Biomedical Sciences | 15:40 - 16:00 | New structural insights into the regulation of aquaporins | Pontus Gordon |
| O | Ersoy Cholak | Drug Design and Pharmacology | 16:00 - 16:20 | Investigation of co-structure in alpha-synuclein induced by anionic lipid membranes | Annette Eva Langkilde |
| P | Malte Selch Larsen | Veterinary Clinical Sciences | 16:20 - 16:40 | Pharmacometric modelling in haemophilia: Implications for translational pharmacokinetics, clinical study optimization and monitoring of bleeding risk | Annemarie Thuri Kristensen |

| Stream 3 before lunch | | | | | |
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| Q | Celina Støving Dam | Pharmacy | 11:00 - 11:20 | Investigating the distribution of platinum between nuclear and cytosolic fractions – Can subcellular fractionation be performed quantitatively? | Stefan Stürup |
| R | Christine Heerup | Pharmacy | 11:20 - 11:40 | Optimizing lipid digestibility in new in vitro models simulating the digestive tract of the infant | Anette Müllertz |
| S | Malthe Møhl Schack | Pharmacy | 11:40 - 12:00 | Morphology and structure assessment of individual particles using microscopy-based systems | Thomas Rades |
| T | Georgia Kasten | Pharmacy | 12:00 - 12:20 | Up-scale of co-amorphous drug-amino acids formulations by spray drying | Thomas Rades |
| Stream 3 after lunch | | | | | |
| U | Donglei Leng | Pharmacy | 15:20 - 15:40 | Particle engineering of microparticles by spray drying technique | Mingshi Yang |
| V | Jakob Munk Plum Christensen | Pharmacy | 15:40 - 16:00 | Development of an <i>in vitro</i> risk assessment tool for small intestinal precipitation of poorly water soluble drugs | Anette Müllertz |
| X | Mark Gontsarik | Pharmacy | 16:00 - 16:20 | pH-responsive nanocarriers for antimicrobial peptide delivery | Anan Yaghmur |
| Y | Charlotte Goldeman Andersen | Pharmacy | 16:20 - 16:40 | <i>In vitro</i> modelling of the blood-brain barrier using human induced pluripotent stem cells - a promising tool in drug development | Birger Brodin |

Assessment committees/chairs:**Stream 1**

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| Mette Rosenkilde | Biomedical Sciences |
| Anders A. Jensen | Drug Design and Pharmacology |
| Lasse Bak | Drug Design and Pharmacology |

Stream 2

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| Kenneth Thermann Kongsta | Drug Design and Pharmacology |
| Trond Ulven | Drug Design and Pharmacology |
| Stephan Pless | Drug Design and Pharmacology |

Stream 3

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| Jörg Kutter | Pharmacy |
| Susan Weng Larsen | Pharmacy |
| Kathryn Browning | Pharmacy |