

BIGS DrugS Graduate Colloquium

Winter Term 2021/22

Monday, 15:00 – 17:00

Per [Zoom](#) - Meeting ID 924 6575 0263 Kenncode 467364

29.11.2021, 15:00 -17:00 - **BIGS DrugS Class 2019/20**

Hashem Al Musawi: Synthesis of P2Y₁₂ receptor antagonists as antithrombotic and anti-inflammatory drugs

Discussion: Daniel Torres, Haroon Javed, Philipp König

Jonas Engelhardt: *Immunomodulatory effects of synthetic anti-LPS peptides*

Discussion: Carolin Keip, Robin Geschold, Victoria Vaaßen

Katharina Dauer: *Innovative pharmaceutical stabilization and formulation techniques for protein drugs*

Discussion: Mariam Tahoun, Caroline Keip, Tim Keuler

06.12.2021, 15:00 -17:00 - **BIGS DrugS Class 2019/20**

Philipp König: *Novel sensitization strategies in chemoresistant ovarian cancer cells*

Discussion: Anna Papanian, Lara Vanessa Behrmann, Wolfgang Fehrmann

Haneen Al-Hroub: *Structure-Activity Relationship of Anthraquinone Derivatives as P2Y₁ Receptor Antagonists and Ligand-Protein Residence Time Determination at human CD73 enzyme*

Discussion: Victoria Vaaßen, Jonas Engelhardt, Angel Castaneda Ruiz

Anne Sanner: *Proteomic investigation of the Transcription Factor EB*

Discussion: Robert Kuchta, Haroon Javed, Julian Breitenbach

13.12.2021, 15:00 -17:00 - **BIGS DrugS Class 2019/20**

Olga Teplytska: *Artificial neural networks for precision dosing of oral anticancer drugs*

Discussion: Anne Sanner, Hashem Al Musawi, Martin Heyes

Victoria Vaaßen: *Stabilization of the adenosine A_{2B} receptor for crystallization*

Discussion: Anna Böhmer, Jonas Engelhardt, Philipp König

Anna Papanian: *Investigation of potent G α protein modulators*

Discussion: Samhita Urs, Nico Brückreiß, Anna Böhmer

Robert Kuchta: *Development of PROTACs*

Discussion: Sophie Clemens, Angelo Oneto, Sophie Klöppel

17.01.2022, 15:00 -17:00 - BIGS DrugS Class 2019/20

Daniel Torres: *Natural product discovery through bioactivity-guided fractionation and genome mining*

Discussion: Mariam Tahoun, Lara Vanessa Behrmann, Jessica Nagel

Angelo Oneto: *Potent, non-peptidic irreversible inhibitors of SARS-CoV-2 main protease*

Discussion: Haneen Al-Hroub, Robert Kuchta, Angel Castaneda Ruiz

Sophie Clemens: *Design, synthesis and structure-activity-relationships of agonists for the MAS-related G protein-coupled receptor X4 (MRGPRX4)*

Discussion: Michael Schmidt, Anna Pepanian, Haroon Haved

Jessica Nagel: *Identification of allosteric P2X receptor modulators*

Discussion: Katharina Dauer, Tim Keuler, Wolfgang Fehrmann

24.01.2022, 15:00 -17:00 - BIGS DrugS Class 2019/20

Martin Heyes: *Surface acoustic wave - biosensor for in-vitro evaluation of platelet mediated issues in anti-cancer therapy*

Discussion: Olga Teplytska, Daniel Torres, Jessica Nagel

Angel Castañeda: *Protein Formulations*

Discussion: Andreas Brockmann, Angelo Oneto, Olga Teplytska

Julian Breidenbach: *Design and Synthesis of Peptidomimetic SARS-CoV-2 Mpro Inhibitors*

Discussion: Sophie Clemens, Katharina Dauer, Jonas Engelhardt

Michael Schmidt: *Investigation of a correlation between hyperglycemia and chemoresistance and IGFBP-2 as possible linker*

Discussion: Anne Sanner, Samhitha Urs, Sophie Clemens

Nico Brückreiß: *Investigation of the influence of altered HS3ST2-expression in breast cancer on tumor cell induced platelet aggregation*

Discussion: Carolin Keip, Anna Pepanian, Hashem Al Musawi

31.01.2022, 15:00-17:00 – BIGS DrugS Class 2019/20

Haroon Javed: *Functional investigations into the dominant negative patho-molecular mechanisms underlying FXIII heterozygous missense mutations of emerging clinical importance*

Discussion: Robin Geschold, Angelo Oneto, Hashem Al Musawi

Robin Geschold: *MRGPRX4: Development of agonists and functional antagonists*

Discussion: Katharina Dauer, Haneen Al-Hroub, Michael Schmidt

Caroline Keip: *Implementation of a standardized QM system for medication reviews in*

community pharmacies

Discussion: Martin Heyes, Julian Breitenbach, Robin Geschold

Lara Vanessa Behrmann: Mode of action of cell wall biosynthesis inhibitors in *Wolbachia* spp.

Discussion: Nico Brückreiß, Andreas Brockmann, Sophie Klöppel