

ADVANCED PRE-PROGRAM

05.11.2018 (Monday): Cancer Stemness and Metabolic Flexibility

12:00 *Welcome reception: light lunch / Coffee*

13:30 **Welcome Address on behalf of the AEK (Klaus-Peter Janssen)**

14:00 **Masahiro Shuda, Pittsburgh:** Sox2-dependent progenitor/stem cell transformation in polyomavirus-induced human Merkel cell carcinogenesis

15:00 **(Short Talk) Nourhane Ammar:** The Impact of MCT1-driven lactate import on the stem cell phenotype of pancreatic ductal adenocarcinoma (PDAC) cells

15:30 *Coffee break*

16:00 **Alexei Vazquez, Glasgow: Formate:** The final frontier in one-carbon metabolism

17:00 **(Short Talk) Sina Bader:** The ROS-producing anti-malaria drug dihydroartemisinin interferes with tumor cell metabolism and survival in normoxia and hypoxia

17:30 **Mariia Yuneva, London:** Understanding metabolic vulnerabilities and flexibilities of tumours

19:00 **Dinner (Buffet)**

06.11.2018 (Tuesday): Focus on Lipid Metabolism

09:00 **KEYNOTE LECTURE Almut Schulze, Würzburg:** Targeting Cancer Metabolism

10:00 **(Short Talk) Katharina Kaufmann:** The desaturase SCD1 as key enzyme in colorectal cancer

10:30 *Coffee break*

11:00 **Christian Klose, Dresden:** Lipidomics and its application in understanding cancer-related cellular processes

12:00 **(Short Talk) Andrea Machmüller:** Elucidating the role of lipid metabolism in metabolic diseases and cancer with special emphasis on lipid droplets

12:30 *Lunch*

13:30 **Gerhard Liebisch, Regensburg:** Quantification and metabolic profiling of lipid species

14:30 **(Short Talk) Anna Sichler:** Gut microbiota and Toll-like receptors as regulators of colorectal cancer formation

15:00 **(Short Talk) Elisabeth Gleisinger:** Mitochondrial dysfunction in intestinal epithelial cells influences regenerative and neoplastic processes

15:30 *Coffee break*

16:00 **(Short Talk) Miriam Ecker:** Investigating the role of activating transcription factor 6 in CRC using a humanized transgenic mouse model

16:30 **(Short Talk) Hans-Åke Fabricius:** The Role of Proliferation-Associated Platelet-Receptors in Cancer Pathophysiology

17:00 **(Short Talk) Olga Prokopchuk:** The new role of matrix metalloproteinase inhibitor TIMP-1 as a cachexia marker in colorectal cancer

17:30 **(Short Talk) Anna Schrade:** Expression and functional role of the Shigatoxin-receptor Gb₃/CD77 in porcine cancer models

18:00 **Poster Session - Finger Food**

07.11.2018 (Wednesday): Metabolic Vulnerability and Drug Response

- 09:00** **Götz Hartleben, München:** Cancer - tissue crosstalk and metabolic vulnerabilities
- 10:00** **(Short Talk) Christian Zoschke:** Remodelling the microenvironment of epithelial cancers to better understand cancer metastasis and drug effects
- 10:30** *Coffee break*
- 11:00** **Philipp Mertins, Berlin :** Proteomic Profiling of Genetic Alterations in Cancer and Predictors for Drug Response“
- 12:00** **(Short Talk) Johannes Stellmacher:** A FLIM study of live HeLa cells reveals mechanistic insight into drug delivery of doxorubicin by means of a theranostic macromolecular prodrug
- 12:30** **Poster Award (Hoffmann / Janssen / Engers)**
- 13:00** **Lunch & Farwell**