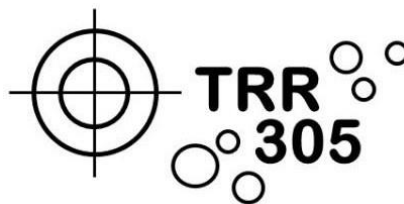


Seminar series TRR 305 – Striking a moving target: From mechanisms of metastatic organ colonisation to novel systemic therapies



Wednesday, 04 December 2024
15:00 h

hybrid (on site in Erlangen)

TRC Auditorium Translational Research Center, Raum 0.010
Schwabachanlage 12, 91054 Erlangen

Prof. Dr. nat. med. Lydia Meder

Nikolaus-Fiebiger-Center Erlangen
Cell Plasticity at the Tumor Host Interface



Understanding and targeting immune evasion mechanisms in small cell lung cancer.

The translational research of Lydia Meder and her team focuses on deciphering molecular signaling pathways in metastasis, particularly in lung cancer. The intercellular communication of tumor cells with immune cells and endothelial cells in the primary lesion, in the bloodstream and in the metastatic microenvironment is the central aspect of their research. They apply preclinical targeted treatment approaches in combination with immunotherapy and chemotherapy in several in vivo models. In this context, they unravel resistance mechanisms and identify biomarkers for therapy stratification.

Meder L, Orschel CI, Otto CJ, Koker M, Brägelmann J, Ercanoglu MS, Dähling S, Compes A, Selenz C, Nill M, Dietlein F, Florin A, Eich ML, Borchmann S, Odenthal M, Blazquez R, Hilberg F, Klein F, Hallek M, Büttner R, Reinhardt HC, Ullrich RT. Blocking the angiopoietin-2-dependent integrin β -1 signaling axis abrogates small cell lung cancer invasion and metastasis. *JCI Insight*. 2024 May 22;9(10):e166402. doi: 10.1172/jci.insight.166402. PMID: 38775153; PMCID: PMC11141935.

Meder L, Schuldt P, Thelen M, Schmitt A, Dietlein F, Klein S, Borchmann S, Wennhold K, Vlasic I, Oberbeck S, Riedel R, Florin A, Golfmann K, Schlößer HA, Odenthal M, Buettner R, Wolf J, Hallek M, Herling M, von Bergwelt-Baildon M, Reinhardt HC, Ullrich RT. Combined VEGF and PD-L1 Blockade Displays Synergistic Treatment Effects in an Autochthonous Mouse Model of Small Cell Lung Cancer. *Cancer Res*. 2018 Aug 1;78(15):4270-4281. doi: 10.1158/0008-5472.CAN-17-2176. Epub 2018 May 18. PMID: 29776963.

Zoom-Meeting-Link:

<https://fau.zoom-x.de/j/66436559733?pwd=Wv09XOMJYYtsaahiCdGQOBurRadONj.1>

Meeting-ID: 664 3655 9733
Kenncode: 982649