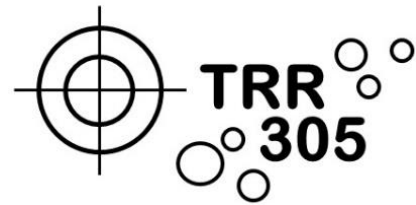


# Seminar series TRR 305 – Striking a moving target: From mechanisms of metastatic organ colonisation to novel systemic therapies



**Wednesday, 06 December 2023**  
**15:00 h**

## hybrid (on site in Erlangen)

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

## Henner Farin, PhD

Georg-Speyer-Haus Frankfurt  
Institute for Tumor Biology and Experimental Therapy



## Targeting therapy resistance in colorectal cancer derived organoid-stroma models

Dr. Farin and his team study cellular and molecular processes involved in the development of colorectal cancer. Main research focus is the communication of cells within the tumor microenvironment. Patient-specific organoid models are established by expansion of primary cells from tumor tissues. Biobanks of organoids and other stromal cells then are used to model tissue interactions that affect tumor characteristics and response to therapy, including immunotherapy. Genetic and pharmacologic perturbation experiments are performed to overcome resistance and identify context-specific tumor vulnerabilities.

Birgitta E. Michels, Mohammed H. Mosa, Barbara I. Streibl, Tianzuo Zhan, Constantin Menche, Khalil Abou-El-Ardat, Tahmineh Darvishi, Ewelina Członka, Sebastian Wagner, Jan Winter, Hind Medyouf, Michael Boutros, Henner F. Farin, Pooled In Vitro and In Vivo CRISPR-Cas9 Screening Identifies Tumor Suppressors in Human Colon Organoids, *Cell Stem Cell*, Volume 26, Issue 5, 2020, Pages 782-792. e7, ISSN 1934-5909, <https://doi.org/10.1016/j.stem.2020.04.003>.

Harald Schuhwerk, Constantin Menche, Isabell Armstark, Pooja Gupta, Kathrin Fuchs, Ruthger van Roey, Mohammed H. Mosa, Carol I. Geppert, Stefanie Bärthel, Dieter Saur, Florian R. Greten, Simone Brabletz, Thomas Brabletz, Henner F. Farin, Marc P. Stemmler. ZEB1-dependent modulation of fibroblast polarization governs inflammation and immune checkpoint blockade sensitivity in colorectal cancer. *bioRxiv* 2023.03.28.534565; <https://doi.org/10.1101/2023.03.28.534565>

## Zoom-Meeting-Link:

<https://fau.zoom-x.de/j/65571394397?pwd=S1VDQkErdE1QbTJibndScnVtZkxoZz09>

Meeting-ID: 655 7139 4397  
Kenncode: 760550