

## Hosting group information for applicants

Name of DKFZ research division/group:

**Junior Clinical Cooperation Unit Translational Gastrointestinal Oncology and Preclinical Models (B440)**

Contact person: **Priv.-Doz. Dr. med. Johannes Betge, [j.betge@dkfz.de](mailto:j.betge@dkfz.de)**

Group homepage: **[www.dkfz.de/en/gastrointestinal-oncology](http://www.dkfz.de/en/gastrointestinal-oncology)**

Please visit our website for further information on our research and recent publications.

### RESEARCH PROFILE AND PROJECT TOPICS:

Our group aims to develop novel, individualized therapies for patients with gastrointestinal cancer and we analyze predictive markers and mechanisms of resistance to cancer therapies. We use tumor models such as patient derived organoids that we establish from our cancer patients, together with up-to-date screening and sequencing technologies to dissect the molecular profiles of tumors/models and to directly test potential therapies *ex vivo*. The group is part of the DKFZ at Heidelberg campus and is additionally affiliated with the University Medical Center Mannheim for close clinical connection and potentially direct translation from/back-to bedside.

The successful applicant may work with advanced preclinical models (esp. organoids, immunoorganoids) to analyze cancer biology and drug response/resistance mechanisms, perform drug screenings for identification of novel, innovative treatment options (e.g. drug combinations), as well as molecular analyses (including sequencing, single cell transcriptomics, etc.) of organoids and tumors for biomarker discovery. Also more dry-lab related projects analyzing clinical and experimental datasets to predict novel biomarkers for subsequent validation and characterization in experiments with patient derived organoids are possible.

Join a young and ambitious interdisciplinary team willing to advance molecular and clinical oncology! Please contact me if you have any questions



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