

Research profile for applicants

Name of DKFZ research division/group:	<i>Mechanisms Regulating Gene Expression / A350</i>
Contact person:	<i>Michaela Frye / M.Frye@dkfz.de</i>
Group homepage: <i>Visit this website for further information on current research and recent publications.</i>	<i>https://www.dkfz.de/en/regulatorische-mechanismen-genexpression/index.php</i>
Eligibility:	<ul style="list-style-type: none"> • <i>DKFZ Postdoctoral Fellowships</i> • <i>Dr. Rurainski Fellowship at DKFZ</i>

RESEARCH PROFILE AND PROJECT TOPICS

The Frye lab studies the function of RNA modifications in cancer development, metastasis and therapy resistance. You will be part an exciting and stimulating research environment, working closely with a team of researchers, clinicians and computational analysts. Our project addresses the question how RNA modifications dynamically control transcription and mRNA translation when cancer cells are exposed to a new environment during metastasis or cancer treatment regimens for example. We utilize a wide array of biochemical, cellular, computational and in vivo approaches to identify novel epitranscriptomic key players. A major part will be the integration of nanopore sequencing approaches for full-length transcript analyses and base modification detection.



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