

Research profile for applicants

Name of DKFZ research division/group:	<i>Immunodynamics and Cancer / D280</i>
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Group homepage: <i>Visit this website for further information on current research and recent publications.</i>	<i>https://www.dkfz.de/en/immunodynamics-and-cancer</i>

RESEARCH PROFILE AND PROJECT TOPICS

Our lab studies the dynamic behavior of immune cells in tumors. We apply and further develop technologies such as Zman-seq across different biological paradigms, and more broadly work on the next generation of tools to capture immune cell behavior in vivo.

As part of this effort, we are building a cutting-edge platform combining in vivo functional assays with molecular spatial context, to link real-time cell behavior directly to the state of the tumor niche. We focus on how T, NK, and myeloid cells interact in the tumor microenvironment, and how these interactions shape immune suppression in brain tumors.

We are recruiting a postdoc with strong expertise in computational immunology to join our team. You would work alongside the group already running the experimental and analysis pipelines, typically defining and leading your own project while contributing to the broader effort. You should bring a strong background in computational biology, immunology and cell-cell communication in cancer, and help drive the lab's questions forward at the interface of experimental and computational immunology. The project is funded by the ERC.



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