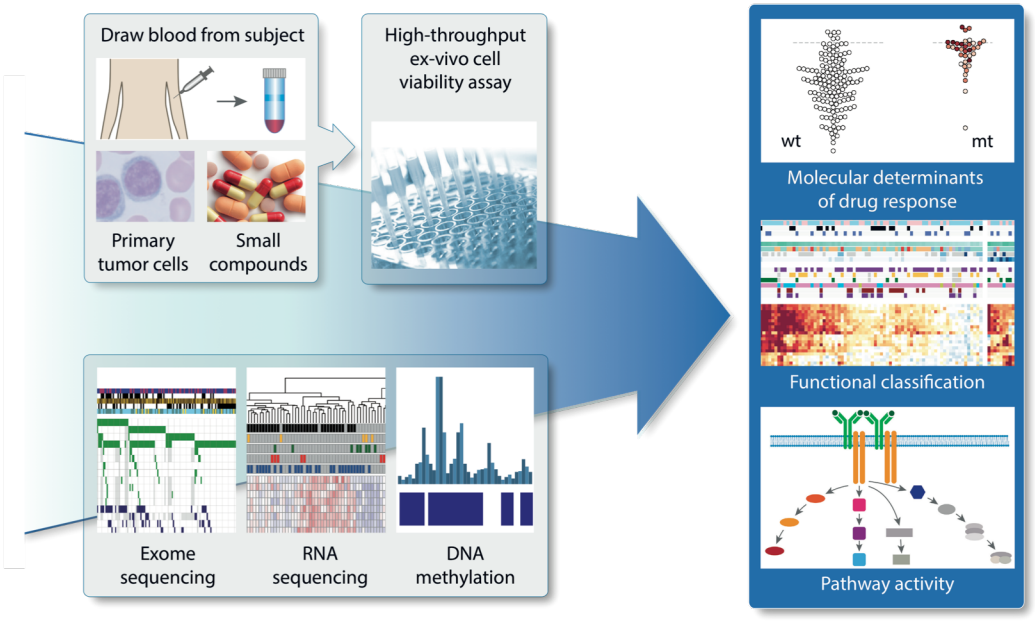
Post-doctoral research fellowship

MMPU
Molecular Medicine Partnership Unit

Precision medicine for blood cancers



EMBL

HEIDELBERG UNIVERSITY HOSPITAL

Job description: We are searching for a postdoc to join our highly interdisciplinary team of wet-lab scientists, bio-informaticians and clinician scientists. Our aim is to develop rational and biology-based treatment strategies for precision medicine of blood cancer. We are systematically mapping pathway dependencies of tumors in hundreds of primary cancer cell samples ex vivo using large drug libraries paired with detailed molecular characterization (e.g. Proteomics, Metabolomics, WES, RNA-Seq). See: https://www.imbi.uni-heidelberg.de/dietrichlab/

You will be responsible for coordinating large scale proteomics and metabolomics experiments, and other 'omic data types with the aim to explain patient and disease heterogeneity, and to predict tumor recurrence and treatment response. You will further be responsible for the supervision of PhD and MASTER students, contribute to the lab organization and the development of the future directions of our group. Within the collaborative framework you will have full access to facilities of the University Hospital Heidelberg, the EMBL and the German Cancer Research Center and you will be able to develop an independent line of research and profile.

Postdoc candidates should have a strong interest in cancer biology and an excellent background in cellular and molecular biology. Experience with mass spectrometry based techniques (e.g. metabolomics and proteomics) would be advantageous. Successful candidates will have a PhD and should be enthusiastic about working in an interdisciplinary team environment. **The candidate should have good organizational skills.**

We are an interdisciplinary team of researchers at University Hospital Heidelberg (PD Dr. S. Dietrich), and the European Molecular Biology Laboratory (Dr. W. Huber, https://www.embl.de/mmpu/mmpu/research_groups/systems_medicine_of_cancer_drugs/). The Postdoc will be embedded in this unique collaboration, which is setup to integrate systematic functional assays, multi-omic profiling, bioinformatic analysis and mathematical modeling for the development towards clinical applications.

Applications including a CV, motivation letter and 2 references should be sent to sascha.dietrich@embl.de.