3573 6178 Postdoc Biology, Chemistry - Pharmaco-Omics of cancer The Dr. Margarete Fischer-Bosch Institute of Clinical Pharmacology, Stuttgart (Director Prof. Dr. M. Schwab) is operated by the Robert Bosch Foundation. Since its foundation in 1973, the institute has emerged as Germany's largest and most renowned scientific research unit in the field of clinical pharmacology. Main research activities concentrate on the impact of genetic and non-genetic factors on variability of drug response and their contributions to disease progression, particularly related to cancer.   
 Characterization of primary tumors on different molecular levels using state-of-the-art methods (e.g. genomics, transcriptomics, metabolomics)  
 Application and adaption of a broad spectrum of molecular and cell biological techniques, including FACS analyses, immunohistochemistry, and immunofluorescence  
 Establishment and characterization of patient-derived tumor models (e.g., organoids)  
 Functional testing of drug effects using in vitro and pre-clinically relevant in vivo models  
 Analysis of clinical and experimental datasets (e.g., immunohistochemistry, gene expression) using established biostatistics and bioinformatics approaches  
 A close link to clinical aspects of cancer research as primary research aim  
   
 Doctoral degree (e.g., PhD, Dr. rer.nat.) in biology, biochemistry, molecular medicine, pharmaceutical sciences or a related discipline  
 Experience and strong background in molecular biology, human genetics and cell culture technology  
 Hands on experience with 3D cell culture and in vivo tumor models would be beneficial  
 Experience with ”omics” analyses and data interpretation (next-generation sequencing, transcriptomics, metabolomics)  
 Interest in oncology and personalized medicine  
 Excellent English written and oral communication skills and experience in writing scientific articles  
   
 The opportunity to work in an interactive and interdisciplinary team  
 State-of-the-art equipment and innovative technologies for a wide range of different applications (genomics, transcriptomics, metabolomics) and expert knowledge within the different core facilities at the institute  
 The opportunity to communicate scientific results at international conferences and to participate in workshops  
 Flexible starting date (earliest starting date as of now)  
 We offer the opportunity for personal academic career development biologist None 2023-03-07 15:57:52.779000