

**Stellenausschreibung für die Stellenbörse der DGEpi/
Job offer for the job portal of the DGEpi**



Position	Postdoc Position in Computational Biology / Bioinformatics
Arbeitgeber/ Employer	PD. Dr. Stephanie Roessler
Arbeitsort/ Location	Institute of Pathology Heidelberg University Hospital
Gehalt bzw. Gehaltsstufe/ Salary scale	TV-L (100%)
Arbeitszeit/ Hours	Full-time, part-time may be possible
Vertragsdauer/ Contract type	2 years with the possibility of prolongation
Bewerbungsfrist/ Application deadline	15.09.2022
Kontaktperson/ Contact person	PD Dr. Stephanie Rössler Prof. Dr. Justo Lorenzo Bermejo
Weitere Bewerbungs- informationen/ Information for applicants	<p>The overarching goal of the Roessler lab is to understand the development of liver cancer which is the second leading cause of cancer-related death worldwide. We aim to dissect how genetic and epigenetic alterations drive liver cancer development and to translate our knowledge into the clinic. We have access to large patient collectives and already successfully published bioinformatic analyses in high-impact journals such as GUT (impact factor 31.79) and Hepatology (impact factor 17.29).</p> <p>The project of the successful candidate will focus on the identification of key genes involved in liver cancer progression and potential therapeutic options. Gene expression, mutational and DNA methylation profiles of a large number of normal tissues, pre-neoplastic tissues and invasive carcinoma are already available for integrative analysis using detailed clinical data. We employ a broad range of cutting-edge techniques, including RNAseq, Whole Exome Sequencing, proteomics and epigenetics.</p> <p>The Postdoctoral Fellow will work together with experienced bioinformaticians and clinicians in the research groups of Stephanie Roessler and Justo Lorenzo Bermejo to analyze large sequencing and DNA</p>

	<p>methylation data sets. The applicant is expected to improve already-established analysis pipelines and to develop new bioinformatics workflows. Furthermore, the group employs mouse models, patient-derived tissues and ex vivo patient-derived organoid cultures to connect molecular biology and medical relevance. Thus, bioinformatic results will be directly tested and validated in vivo.</p> <p>https://pubmed.ncbi.nlm.nih.gov/?term=stephanie+roessler&sort=date</p> <p>https://www.klinikum.uni-heidelberg.de/pathologisches-institut/allgemeine-pathologie/forschung/arbeitsgruppen/ag-roesslerag-roessler</p> <p>www.biometrie.uni-heidelberg.de/StatisticalGenetics</p> <p>Prerequisites</p> <p>We are looking for a highly motivated Postdoc with a background in (bio)statistics, (bio)informatics, mathematics, computer science, epidemiology, public health or (molecular) biology, ideally with practical experience in the analysis of sequencing data using R.</p> <p>Applicants must have a PhD degree or should anticipate to receive it not later than 3 months after the application deadline. We expect enthusiasm for science and strong work ethics.</p> <p>We offer</p> <ul style="list-style-type: none"> - Highly stimulating international research environment - Friendly and productive interdisciplinary work atmosphere - Comprehensive training and professional development - Access to cutting-edge technologies and comprehensive resources - Salary according to TV-L (100%) including social benefits <p>Duration</p> <p>The position is limited to 2 years with the possibility of prolongation.</p> <p>Contact & Application</p> <p>Please send your complete application in a single pdf document, including a cover letter stating your previous research experience and your motivation, CV, qualifications and contact information of two to three referees, to PD Dr. Stephanie Rössler. Email: Stephanie.Roessler@med.uni-heidelberg.de</p>
<p>Datum der Anzeige/ Date posted</p>	<p>09.08.2022</p>
<p>Link zur Stellenausschreibung/ Link to job posting</p>	<p>https://karriere.klinikum.uni-heidelberg.de/index.php?ac=jobad&id=16474</p>