



GERMAN  
CANCER RESEARCH CENTER  
IN THE HELMHOLTZ ASSOCIATION



50 Years – Research for  
A Life Without Cancer

Heidelberg, July 25, 2016

## Postdoctoral position in the field of liver cancer metabolism

The German Cancer Research Center (DKFZ) invites applications for a highly motivated and creative postdoctoral researcher to explore the molecular bases underlying metabolic and genetic reprogramming in infection/inflammation-induced cancer. The DKFZ is located in the picturesque city of Heidelberg in the South of Germany and benefits from an exceptionally strong research environment, with Germany's oldest university and several other leading life science research institutions in Europe. The successful candidate will join the lab of Dr. Bruno Galy in the division „Virus-Associated Carcinogenesis“ at the DKFZ.

One major interest of the lab is in iron metabolism, whose alterations are emerging as a key metabolic hallmark of cancer. Using a combination of biochemical and molecular biology assays together with state-of-the-art cellular and mouse models, the candidate will study the function of central regulatory systems of iron homeostasis in various aspects of tumorigenesis, with a strong focus on liver cancer. The successful applicant will more specifically investigate the impact of local iron mismanagement in hepatocytes versus immune cells on chronic liver inflammation and progression to hepatocellular carcinoma.

- The applicant holds a Ph.D. (or equivalent degree) in biology, biochemistry or related field with an excellent publication record.
- A very strong background in mouse experiments is essential, as well as a solid experience in state-of-the-art cell and molecular biology techniques.
- A sound knowledge of tumor biology and previous work on in vivo cancer models are highly desirable.
- The candidate works accurately, is able to conduct independent research, but also enjoys working in an international and interdisciplinary environment. He/She is willing to advise junior staff.
- Good presentation skills and experience on project management (importance of scheduling, deliverables, reporting) will be highly valued.

The position is initially offered for one year with possibility for extension depending on performance.

Your application (in English language) must include a CV, a summary of academic records, your research interests, and at least two letters of recommendation (or contact details of potential referees). For further question, please contact Dr. Bruno Galy ([b.galy@dkfz.de](mailto:b.galy@dkfz.de)).