

Our research focuses on the identification and analysis of gene regulatory networks implicated in the process of neoplastic transformation and malignant progression. Recently, we could demonstrate that intracellular signaling via the receptor for advanced glycation end products (RAGE) drives the strength and maintenance of a pro-tumorigenic inflammation, and provide genetic evidence for a novel role of RAGE in bridging inflammation and cancer (Gebhardt et al., 2008 J Exp Med; 205(2):275-85). For a project funded by the DKFZ-MOST German-Israeli Cooperation Program in Cancer Research, we are looking for a highly motivated

PhD student

with excellent scientific and practical background in molecular and cellular biology to complement our team. The project aims at assessing the regulation and molecular function of RAGE in genetically modified mouse models and cell lines derived thereof, and to verify the concept that functional inhibition of RAGE signaling could serve as a novel strategy for cancer therapy.

PhD applicants must hold Diploma/MSc in Biology, Biochemistry, Biotechnology, or similar, be highly motivated and integrate themselves into a team. Strong background in molecular biology, biochemistry, and bioinformatics is desired.

Interest in signal transduction and gene regulatory networks, cancer biology, large-scale expression analysis, cell culture techniques, and animal experimentation.

Positions are available immediately and for 3 years.

Further information: **Prof. Dr. Peter Angel**, Email: p.angel@dkfz.de,
http://www.dkfz.de/en/signal_transduction/index.html

Please send your application with CV and names and phone numbers of two referees to:

Deutsches Krebsforschungszentrum, Prof. Dr. Peter Angel, Signal Transduction & Growth Control (A100), Im Neuenheimer Feld 280, 69120 Heidelberg, Germany; Or by E-Mail: p.angel@dkfz.de