



The University Hospital of Cologne ranks among the leading university hospitals in Germany. Our 6,800 employees, working in more than 59 highly efficient clinics, polyclinics and institutes offer optimum inpatient and outpatient care as well as professional vocational training and continuing education programmes. With some 1,300 beds, we are one of the largest hospitals in the state of North Rhine-Westphalia. Our international reputation is based on our outstanding record as a provider of top-flight medical care and as a leading academic institution in the fields of medical research and teaching.

The **Center of Integrated Oncology (CIO)** Cologne Bonn is part of the University Hospital and has recently been ranked among the top four German Comprehensive Cancer Centers by an external review board. The Department I of Internal Medicine (Director: Prof. M. Hallek) is a highly active research organization within the CIO consisting of 15 research groups with 110 employees. The **laboratory for pre-clinical** drug testing of the Department I of Internal Medicine is seeking to fill the position of a

PhD student in Cancer Research

initially to be employed for two years, with possibility of extension. In the laboratory for pre-clinical drug testing we use primary cultures of freshly isolated B cells from peripheral blood of patients with chronic lymphatic leukemia (CLL) in order to assess in the laboratory the effects of novel inhibitors and drug combinations with potential for treating CLL. Apart from the effects on cellular survival and apoptosis we investigate influences on intracellular signaling pathways.

Your responsibilities will include:

- In vitro culture of cell lines and primary leukemia cells, including inhibitor treatment and activation by micro-environmental stimuli
- Recording biological effects of inhibitor treatment, mainly by flow cytometry
- Analysis of the targeted signaling pathways, predominantly by Western blotting
- Chemo-genetic approaches, including cloning work and gene transfer
- Organizational and conceptual contributions to the thesis project

Minimum qualifications:

- Completed diploma or master studies in biology or biochemistry
- Keen interest in research in cell and molecular biology
- Hands-on laboratory experience preferably in mammalian cell culture, molecular cloning, flow cytometry, protein chemistry or work involving experimental animals
- enthusiasm, social competence and potential for working independently as a scientist

Your salary will be based on TV-L E13 (50%).

The Board of Directors of the University Hospital of Cologne places strong emphasis on gender equality and seeks to increase the proportional representation of women in this field. Thus applications from female scientists will be welcomed; suitably qualified women will be given preferential consideration unless other candidates clearly demonstrate superior qualifications.

We also welcome applications from disabled candidates, who will also be given preferential consideration over other applicants with comparable qualifications.

Please address telephone enquiries to Dr. Günter Krause +49-221 478-7438.

Further information is available on the internet at: <http://www.uk-koeln.de/kliniken/innere1/forschung/lab-preclinical-drug-screening.php>

Have we awakened your interest? Then please forward your complete application (Ausschreibungsnummer: e196) by e-mail (in a single pdf document) to: quenter.krause@uk-koeln.de