

Open PhD position: Function and Relevance of G4 DNA structures for genome stability

The lab of Prof. Dr. Katrin Paeschke (www.paeschkelab.de) is looking for a highly motivated and determined candidate for a PhD position. The PhD student will elucidate the function of a specific alternative DNA structures in the context of genome stability. Particularly the connection of genome instability events and immune response will be a focus of this research project. Specifically, in the course of this project the student will genome wide, biochemical and molecular biological techniques in human tissue culture cells to shed light on fundamental questions in the field of genome instability, DNA repair pathways and immune response. Especially, the contribution and function of the alternative DNA structure (G-quadruplex), makes this topic also interesting for questions in oncology and viral infection.

Requirements

- Strong interest in genome stability, telomere maintenance and DNA repair
- M.Sc. in bio-molecular sciences, medical biology or related area
- Inquisitive and independent research attitude
- Beneficial: experience in molecular biology, biochemistry or genome wide analysis

More information

The position is available as soon as possible but the candidate has the possibility also start later in 2020.

We also offer a salary according to German salary scale TV-L EG 13 65% and the possibility to acquire a Jobticket for transportation as well as participation in the private retirement fund program VBL for state employed personnel.

The UKB is an equal opportunity employer.

For more information about the research in the Paeschke lab visit www.paeschkelab.de

For questions about this vacancy you may contact:

Prof. Dr. K. Paeschke, Team leader, email: Katrin.paeschke@ukbonn.de

How to apply

Please send your resume, a motivation letter and the names of two references referring to Prof. Dr. Katrin Paeschke (Katrin.paeschke@ukbonn.de).

Deadline March 14th 2020