



Job Advertisement

Ph.D. position or Postdoc position if appropriate qualifications can be provided

Application deadline: 31.03.2019

Position start date: Available immediately

Project summary:

G-Quadruplexes are tetra-stranded nucleic acid structures formed by G-rich sequences. They are considered regulatory elements in physiological processes but are also used as scaffolds for various technological applications. The project aims at a better understanding of quadruplex folding, stability, and complex formation with quadruplex specific ligands, employing various spectroscopic and calorimetric methodologies with particular emphasis on high-resolution NMR spectroscopy for structure determinations. The project is limited to a maximum of three years.

Applicant's profile and eligibility criteria:

Graduate degree in Chemistry, Biochemistry, or closely related fields is required. Applicants should have a strong motivation to explore structural and thermodynamic aspects of nucleic acids. Theoretical and practical experience in modern multi-dimensional NMR methodologies is highly recommended. Background in the structure and chemistry of nucleic acids as well as in other spectroscopic (CD, fluorescence) and calorimetric methods (ITC, DSC) is a plus.

EEO/AA Policy:

The University of Greifswald is committed to equal opportunities and complies with all applicable laws regarding nondiscrimination and affirmative action. The University of Greifswald does not discriminate on the basis of race, color, sex, sexual orientation, gender identity, gender expression, religion, national origin, age, and disability in its application and admission processes, educational programs and activities, and employment practices.

Applications (including curriculum vitae and cover letter explaining motivation and reason for an interest in the position, names and contact information of two potential referees) should be directed via email in a single pdf file to:

Prof. Dr. Klaus Weisz, Institute of Biochemistry, Universität Greifswald, Felix-Hausdorff-Str. 4, D-17489 Greifswald, weisz@uni-greifswald.de

Useful links:

PI website: <https://www.biochemie.uni-greifswald.de/forschung/forschung-in-den-arbeitskreisen/ordner-aks-lehrstuehle/analytische-biochemie/>

Universität Greifswald: <https://www.uni-greifswald.de/>