



جامعة الملك عبد الله  
للعلوم والتقنية  
King Abdullah University of  
Science and Technology

**Mariusz Jaremko, Ph.D.**  
Assistant Professor  
**Biological and Environmental  
Science & Engineering (BESE) Division**  
Ibn Al-Haytham (Building 2) Level 4  
King Abdullah University of Science and Technology  
Thuwal 23955-6900, Kingdom of Saudi Arabia  
e-mail: [mariusz.jaremko@kaust.edu.sa](mailto:mariusz.jaremko@kaust.edu.sa)

### **Ph.D. student positions in Structural and Molecular Biochemistry**

Novel integrated structural biology approaches to protein-nucleic acid complexes will be applied to:

**Deciphering the DNA repair processes, and design of anti-cancer drugs.**

#### **Description:**

The research of the group is focused on resolving cutting-edge questions in biochemistry and molecular medicine at atomic level resolution. The sought candidates for Ph.D. student positions will participate in exciting interdisciplinary projects to study the structural and dynamic properties of proteins, nucleic acids and their complexes. We are seeking for highly motivated persons with a high interest and preferentially some experience in protein biochemistry, biological NMR and biophysical methods used for characterization of proteins and protein-protein/ligand/DNA interactions.

Depending on their interests, successful candidates will have the opportunity to expand their expertise in various biophysical methods relevant to the cutting-edge Integrated Structural Biology, with a particular emphasis on solution and solid-state NMR spectroscopy as well as X-ray crystallography, molecular dynamics simulations.

#### **Requirements** (please see the link at Application requirements):

Applicants must be Master-level graduates of chemistry, physics, biochemistry, molecular biology or a related discipline with strong academic record. Preknowledge in NMR - designing, setting-up, running and interpretation of biological NMR experiments will be highly appreciated. Further, candidates should be ideally acquainted with bacterial expression systems (*E.coli*) and purification of recombinant proteins, routine biophysical methods, and molecular biology techniques. Additional knowledge of the structural biology would be a plus for the applying candidate. Furthermore, excellent oral and written communication skills in English, effective judgment and problem solving, a high motivation and commitment to the academic biochemical and biomedical research are expected.

#### **Appointment and Benefits:**

Highly competitive salary (no tax to be paid). Benefits comprise, among others (links below), the free fully furnished housing, free high standard medical and dental insurance. Position will be financed from the funds of the prestigious **Competitive Research Grant (CRG)** that was recently awarded to this project.

#### **How to apply:**

Please send an e-mail to [mariusz.jaremko@kaust.edu.sa](mailto:mariusz.jaremko@kaust.edu.sa) containing a cover letter and CV, together with 2-3 reference letters, combined into one PDF file. Please specify in your letter which research areas mentioned in this offer you find to fit the best to your interests and personality.

The positions are available in the beginning of 2019.

For more information about KAUST and environment please visit the following sites:

Campus - <https://www.kaust.edu.sa/en/live>

Labs & facilities - <https://corelabs.kaust.edu.sa/labs-facilities>

Country - <https://www.kaust.edu.sa/en/about/saudi-arabia>

Application requirements - <https://www.kaust.edu.sa/en/study/applying-to-kaust>