



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)

Positions: Postdoc Research Fellows in Structural and Molecular Biology

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 candidates for the postdoctoral positions should be able to carry out interdisciplinary projects to study the structural and dynamic properties of multi-domain proteins and their complexes. We are seeking for highly motivated postdoctoral fellows with an extensive experience in protein biochemistry and biophysical methods used for characterization of proteins and to study protein-protein/DNA interactions. The key experimental technique to tackle challenging macromolecular assemblies used and refined in the group is biomolecular nuclear magnetic resonance (NMR) spectroscopy. Depending on their interests and skills, candidates will have the opportunity to expand their expertise in various biophysical methods relevant to state-of-the-art Integrated Structural Biology, with a particular emphasis on the solution and solid-state NMR spectroscopy as well as X-ray crystallography, cryo-EM, and molecular dynamics simulations.

Requirements:

Applicants must have a strong Ph.D. in biochemistry, chemistry, or a related field. The positions require also extensive experience in molecular biology, in particular with bacterial expression systems (*E.coli*) and purification of recombinant proteins. Good knowledge in biophysical methods and spectroscopic techniques would be a plus, a strong motivation to expand their experience in this direction an essential requirement for successful candidates. Moreover, excellent oral and written communication skills in English, effective judgment and problem solving with little or no supervision, a high motivation and commitment to the academic research are expected. Additional experience in structural biology will be regarded as an advantage.

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 containing a cover letter and CV. Please provide the e-mails of your 2-3 reference letter providers.

The positions are available 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>