

# Visiting Research Specialist Position in Structural Biology at the University of Illinois at Chicago

The Polikanov Laboratory at the University of Illinois at Chicago (IL, USA) is looking for a talented, skillful, and highly motivated researcher to fill the **Visiting Research Specialist** position to study the structure and function of the bacterial ribosome.

The research in the Polikanov Laboratory is focused on understanding the basic principles of protein synthesis in bacteria, the modes of action of ribosome-targeting antibiotics, and the mechanisms of drug resistance at a structural level. More information about Dr. Polikanov's research can be obtained from the most recent publications (<https://www.ncbi.nlm.nih.gov/sites/myncbi/yury.polikanov.1/bibliography/50395623/public/?sort=date&direction=descending>) or found on the laboratory web-page (<https://bios.uic.edu/bios/people/faculty/yury-polikanov>). The successful candidate will be involved in the determination of high-resolution structures of ribosome functional complexes with various protein translation factors, tRNAs, and antibiotics using macromolecular X-ray crystallography and potentially cryo-EM techniques.

## Basic qualifications:

- BS degree in chemistry, biochemistry, biophysics, or a related field;
- MS degree or higher is preferred;
- Minimum 3 years of laboratory research experience;
- Strong background in biochemistry and molecular biology;
- Practical skills with the most standard methods currently used in molecular biology, and biochemistry (such as protein expression, purification);
- Experience in structural biology (cryo-EM or X-ray crystallography) is desired;
- Experience in RNA biology is desired.

## The successful candidate is also expected to:

- Act independently in terms of planning and executing the experiments;
- Compile, analyze, and prepare data for publications;
- Assist with training of graduate and undergraduate students.

For fullest consideration, please submit an application and cover letter describing your scientific interests and how your previous research accomplishments and scientific interests fit with the scope of the research in the Polikanov research group at <https://jobs.uic.edu/job-board/job-details?jobID=133847> by August 14, 2020.

The University of Illinois at Chicago is an Equal Opportunity, Affirmative Action employer. Minorities, women, veterans, and individuals with disabilities are encouraged to apply. The University of Illinois may conduct background checks on all job candidates upon acceptance of a contingent offer. Background checks will be performed in compliance with the Fair Credit Reporting Act.