

PhD position in Biophysics and Structural Biology Lab.

Dept. of Cellular and Molecular Medicine,
Chosun University School of Medicine,
Gwangju, South Korea

Professor Sung Haeng Lee, principle investigator of *Biophysics and Structural Biology Lab.*, is looking for PhD student to join in his lab from Fall semester 2019. Researches in *Biophysics and Structural Biology Lab.* focus on a number of projects targeted to both biomedical and industrial applications. Employing state-of-art techniques, i.e. X-ray crystallography, circular dichroism, isothermal calorimetry, etc., students will characterize structure of the interesting proteins, and protein-protein or protein-nucleic acid complexes, which will provide insights into the nature of living things at atomic level. Knowledge from those studies is greatly meaningful for human benefits. Successful student will be appointed one of projects:

- Extremophilic bacteria's metabolism pathways, including deoxyribose utilization, rare sugar isomerization and epimerization, amino acid production, etc.
- Antibiotic resistance and Bacterial signal transduction pathways, particularly in pathogens such as *Burkholderia*, *Vibrio*, etc.
- Type-IV secretion system of *Helicobacter pylori* and its interaction with human integrin.
- Karyopherins and transportation across cell membrane.

Potential candidate is required to have background in one of following majors: biochemistry, microbiology, molecular and cellular biology. Bioinformatics background is an advantage but not essential. Student from University of Science (Ho Chi Minh City or Ha Noi) is strongly encouraged. Potential candidate should be diligent and honest, and have good communication skill in English. Stipend is comparative and included tuition fee. Student with excellent transcript and English score may have chance to attain further scholarships.

Candidate should check time schedule and minimal requirements for Fall semester 2019 application at <http://www.chosun.ac.kr/user/indexSub.do?codyMenuSeq=218696&siteId=eng> (Chosun University website English version → Admission → Graduate School).

Please send CV and cover letter to Prof. Sung Haeng Lee at sunglee@chosun.ac.kr if you are interested.