International PhD project in biochemistry and biophysics at the Universities of Strasbourg (France) and Freiburg (Germany)

An exciting, multi-disciplinary binational PhD project, fully funded, is suggested by the Bioelectrochemistry and Vibrational Spectroscopy Group at the UMR 7140 of the University of Strasbourg and the Biochemistry group 'Molecular Bioenergetics' at the Faculty of Chemistry and Pharmacy at the University of Freiburg.

We invite applications from highly motivated individuals who hold a master degree (or equivalent) in biochemistry or biophysics (and similar fields) and who are available to start in September 2019. Applicants should have excellent communication skills and sufficient command of English.

The project is a part of an ambitious research program that aims at the study of the catalytic mechanism of membrane proteins from the respiratory chain and their inhibition. The project provides a unique opportunity for the successful candidate to engage in inter-disciplinary research using a variety of experimental techniques at the interface of physical chemistry, biophysics, including different spectroscopies, electrochemistry and high-level molecular biology and cutting edge structural biology.

The laboratory in France (http://complex-matter.unistra.fr/) is located close to the center of Strasbourg and the university of Strasbourg (http://www.unistra.fr/) is located in the upper Rhine area, that includes a number of excellent universities (https://www.eucor-uni.org/en/). The group has an expertise in a variety of research areas including electrochemistry, infrared / THz and Raman spectroscopies and applied on biological molecules. The group has strong international collaborations with laboratories based in Europe and abroad.

The laboratory in Germany (http://www.biochem.uni-freiburg.de/) is part of the Eucor Network, at the Albert-Ludwigs-University Freiburg and located close to the city center. The group is recognized in the field of structure/function relationship of membrane proteins including protein purification, generation and production of mutant protein, EPR spectroscopy, x-ray crystallography, cryo-EM fluorescence microscopy and native electrophoresis. The group has several international collaborations. The laboratiory language is English.

The student will be integrated in the binational PhD college "enzyme relativities and their applications".

For application and further information, please send a cover letter along with a CV, the results of your master (and bachelor), a short description of your motivation and other research activities and including the contact details of two references to hellwig@unistra.fr or friedrich@bio.chemie.uni-freiburg.de. latest the 14. July 2019. The documents sent should not exceed 5 MB. Please note that incomplete applications will not be considered.