

International PhD project on Bioelectrochemistry at the University of Strasbourg

The Bioelectrochemistry and Vibrational Spectroscopy Group in the Faculty for Chemistry and the UMR 7140 of the University of Strasbourg offers a PhD position, fully funded, to work on an exciting, multi-disciplinary project. The group has expertise in a variety of research areas including electrochemistry, vibrational spectroscopies and applied on biological molecules. The group has strong international collaborations with laboratories based in Europe and abroad.

We invite applications from highly motivated individuals who hold a foreign (not French) master degree latest September 2019 and who are available to start in September 2019.

The project addresses today's urgent need for new antimicrobial drugs and the need to understand the function of enzymes targeted by these drugs. The thesis aims at the development of a bioelectrochemical and spectroscopic approach for the study of the catalytic mechanism of bd oxidases and their inhibition. The project provides an unique opportunity for the successful candidate to engage in inter-disciplinary research using a variety of experimental techniques at the interface between physical chemistry and biophysics. The project will be performed in close interaction with several international laboratories. Applicants should have excellent communication skills and sufficient command of English.

The laboratory (<http://complex-matter.unistra.fr/>) is located close to the center of Strasbourg (France) 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/>).

For application and further information, please send a cover letter along with a CV, the results of your master (bachelor), a short description of your motivation and other research activities and including the contact details of two references to hellwig@unistra.fr or fmelin@unistra.fr latest the 15st of Mai 2019. The documents sent should not exceed 5 MB. Please note that incomplete applications will not be considered.