

STudent REseArch Mobility Programme (STREAM) Research Project proposal



Host University:

Albert-Ludwigs-Universität Freiburg

Field (drop-down list):

Natural sciences, mathematics and statistics

Specified field, subject:

Biochemistry

Research project title:

Characterization of membrane proteins and metalloproteins

Possible starting month(s):

Sep	Oct	Nov	Dec	Jan	Fev	Mar	Apr	May	Jun	Jul	Aug
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>				

Possible duration in months:

1	2	3	4	5	6	7	8	9	10	11	12
<input type="checkbox"/>	<input checked="" type="checkbox"/>										

Exact starting and end dates will be discussed between the supervisor and the student

Suitable for students in: Bachelor level Master level

Prerequisites:

B.Sc. in Biochemistry or Biology/Chemistry with courses in Biochemistry

Restrictions:

Participation at Safety Instructions

Description (maximum 2,000 characters):

We are working on membrane proteins complexes and proteins containing metal-cofactors. Using advanced molecular biology techniques we generate variants that are purified to homogeneity by chromatographic means. The preparations are characterized by various spectroscopic methods, enzyme activity and a broad range of topical biophysical methods. The ultimate goal is determine the protein structure by x-ray crystallography or cryo-electron microscopy. The work is placed in an interdisciplinary field including biology, chemistry, medicine and physics. Participation in soft-skill courses are offered in the framework of existing research training groups.



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Research laboratory:
Institut für Biochemie



Faculty and/or Department:
Fakultät für Chemie und Pharmazie

Deadline for nomination to reach host university:
2 month before starting the visit



Notification of admission given by the end of:
The month before starting the visit



Additional information:
Email to Prof. Thorsten Friedrich
Friedrich@bio.chemie.uni-freiburg.de



Contact person, including position:
Dr. Moritz Heck
Coordinator LERU-STREAM
Abteilung Lehrentwicklung
Universitätsverwaltung am Fahrenbergplatz



**LUND
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