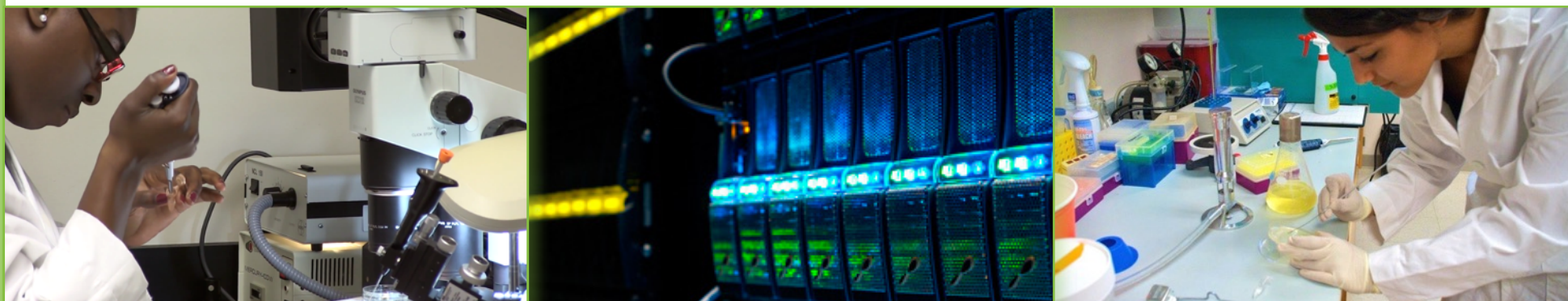


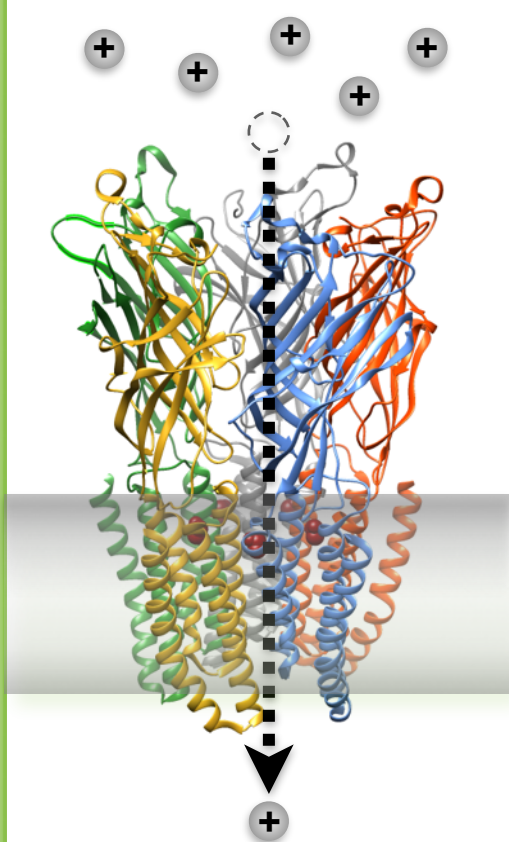
Student Research Positions

Erik Lindahl Group

Experimental & Computational Biochemistry & Biophysics



The Science for Life Laboratory group headed by Prof. Erik Lindahl has current openings for three **Research** or **Degree Projects**. Under the supervision of Dr. Reba Howard, students will investigate structure and function of proteins involved in the effects of **drugs**, such as **alcohol** and **anesthetics**, on the **brain**.



Project 1—Experimental Biochemistry

Express and purify proteins using techniques such as microbial cell culture, column chromatography, gel electrophoresis, and reconstitution for electrophysiology or microscopy.

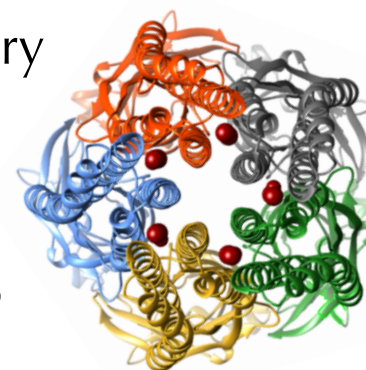
Project 2—Experimental Biophysics

Express and characterize receptor proteins in a model cell system, using two-electrode electrophysiology to measure drug modulation and develop novel receptor mutations.

Project 3—Computational Biophysics

Build and characterize receptor protein models, using molecular dynamics to simulate structural changes, drug binding pockets, and novel mutants.

Applicants should have some theoretical and/or laboratory preparation in biochemistry, biophysics, or related fields at the Bachelor's or Master's levels, and enthusiasm for interdisciplinary research and communication. Please email a brief (<1 page) summary of your interest and experience to rebecca.howard@scilifelab.se or erik.lindahl@scilifelab.se.



Based at **SciLifeLab**
Solna Campus