

**4 POSTDOC/SENIOR RESEARCHER POSITIONS within**  
**“Structural dynamics and allosteric regulation of mammalian channels**  
**and transporters”**  
**Stockholm University, Sweden**

As a part of a multi-disciplinary and highly collaborative research project within “Structural dynamics and allosteric regulation of mammalian channels and transporters” we are recruiting highly motivated postdocs/senior scientists, who are not afraid of challenges, to create the fundamental platform for this 5-year funded project.

- Position 1: **Structural bioinformatician** for developing methods to study the structural stability and evolution of mammalian transporters and channels. Applications are invited from candidates with proven experience in protein bioinformatics. Contact: Arne Elofsson [arne@bioinfo.se](mailto:arne@bioinfo.se).
- Position 2: **Membrane protein structural biologist** for combining X-ray crystallography with single-particle cryo EM to solve structures of mammalian SLC transporters to understand the molecular basis of their allosteric regulation. Applications are invited from candidates with prior experience in X-ray crystallography, protein biochemistry and/or SP cryo EM. Experience in expression of membrane protein complexes in either insect or mammalian cells would be advantageous. Contact: David Drew [drew@dbb.su.se](mailto:drew@dbb.su.se)
- Position 3: **Ion channel physiologist** for isolating functional mammalian ligand-gated ion-channels in complex with novel ligands to understand the molecular basis of their allosteric regulation. Applications are invited from candidates with prior experience in ion channel physiology, protein expression and cell biology. Experience in expression and isolation of mammalian channels and/or CPRISP-Cas9 would be advantageous. Contact: Erik Lindahl [erik.lindahl@dbb.su.se](mailto:erik.lindahl@dbb.su.se)
- Position 4: **Membrane protein biotechnologist** for improving current pipelines used to isolate functional mammalian transporters and channels for structural investigation. Applications are invited from candidates with prior experience in yeast genetics and protein chemistry. Experience with FACS would be advantageous. Contact: Jan-Willem de Gier [degier@dbb.su.se](mailto:degier@dbb.su.se)

All positions are immediately open and fully funded for up to five years. The project is well funded and the research groups of all four PIs involved actively participate in this project. For general information about the project one can contact: David Drew [drew@dbb.su.se](mailto:drew@dbb.su.se)