

A vacancy for a postdoc (3 years) or PhD student (4 years) is available in the Membrane Enzymology group. The work will focus on structural, biochemical and/or spectroscopic characterization of ECF (Energy Coupling Factor)-type ABC (ATP Binding Cassette) transporters. These proteins are involved in vitamin uptake in bacteria, and they are very abundant among Gram-positive pathogens. We recently made a major breakthrough by solving the crystal structure of one of the components involved (Nature Structural and Molecular Biology Volume: 18, Pages: 755–760 (2011)). The postdoc/PhD student will build on this work, but the exact focus will be determined based on the candidate's experience and interests.

Candidates must have a strong background in biochemistry/biophysics, preferably in combination with skills in molecular biology, X-ray crystallography or fluorescence correlation spectroscopy.

For further information, contact Dirk Slotboom (d.j.slotboom@rug.nl). For information about the group and scientific environment, visit www.rug.nl/gbb/enzymology