# Postdoctoral scholar opening

Samuel Flores lab
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Uppsala University, Sweden

We are seeking a highly skilled and motivated computational scientist. The scientist will focus on one of two tasks. The first is development of an graphical modeling program for macromolecules based on MacroMoleculeBuilder (MMB). The second is a project to model key processes in ribosomal translation, including recycling and the mechanisms of EF-G, FusB, and EF-Tu.
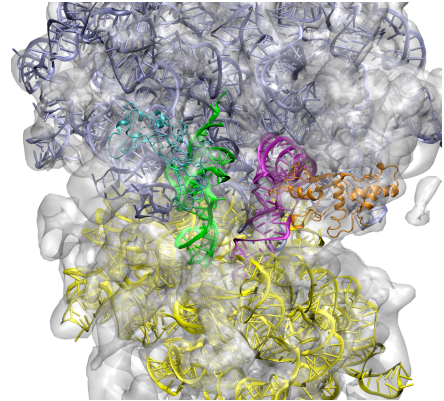
Desired skills:

For the methods development track: Computer graphics and/or dynamical calculations. Creating GUIs using some combination of C++, Python, Qt, Blender, Maya and/or other languages and graphics libraries. Some exposure to molecular modeling, biophysics, and molecular biology, particularly of the ribosome, is desirable.

For the modeling track: a strong background in Molecular Biology, Biochemistry, Computational Structural Biology and/or Biophysics. Fluency with computational methods.

Willingness and ability to learn is more important than domain-specific knowledge. The project can be adapted to your interests.

Compensation: Dependent on experience, but in any event higher than typical NIH salary. As a Swedish public employee you will also receive benefits including health insurance, generous parental leave, child care, private tutoring in your child's language, etc. This is a one-year position, renewable for an additional year contingent on funding.

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