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Project Name(s): Structural Biology of Membrane Proteins

General Topic (Keywords): biochemistry, protein crystallization, computational biology.

Project Description(s):
Two internships will be available: (1) Structural and functional studies of membrane proteins. (2) Proteomic/genomic data mining and technology development to promote protein crystallization.

Our lab is focused on structural studies of efflux pumps and related membrane proteins. We also have projects in computational structural biology. Summer students will gain hands-on experience in data mining, protein crystallization, and synchrotron X-ray diffraction experiment. If interested, opportunities will be provided for suitable students to take advantage of their programming skills, or to learn cloning, protein over-expression and purification.

Desired Skills or Experience:
Students major in biosciences, physical science or engineering are welcome to apply. Previous relevant bench work experience is desirable but not required.

Time Commitment: Flexible. Continuation in Fall semester with research credits will be possible.

Preferred Starting Date: Flexible