The Bio-X Fellow Program

The Stanford Bio-X program is an interdisciplinary bio-related research program connected to biology and medicine. Ideas and methods embodied in engineering, computer science, physics, chemistry, and other fields are being brought to bear upon important challenges in bioscience. Recognizing that significant discoveries and creative inventions are likely to be accelerated through and emerge from research in new, collaborative teams, the new James H. Clark Center at Stanford provides a unique platform to facilitate multidisciplinary collaborations between broad disciplines including shared facilities.

The Bio-X fellow program attracts young, highly talented researchers after their PhD or first postdoctoral experience to start an independent, yet integrated research program with the potential of groundbreaking impact on biosciences. The fellows are expected to creatively make use of the interdisciplinary resources of the Bio-X program and community. The fellow will be appointed for 3-4 years and receive generous support for up to three additional researchers associated with the fellow that will enable the fellow to establish his/her career as an independent PI. A mentor team of up to three established PIs of the Bio-X program will serve as contact, and support the fellows’ research activities.

In this solicitation we are seeking a fellow with research goals focusing on microbial systems in one or more of the following areas:

-Molecular experimental approaches to understand how microbial diversity is generated, maintained, and how such diversity affects microbial population structure in the laboratory and/or in natural environments;

-Genome-enabled experimental evolution studies to understand and predict the emergence of novel global infectious microbial diseases;

-Molecular evolution of complex interactions between microbial populations.

We are particularly interested in recruiting individuals with a broad interest and a fondness for collaborative research. We strive to make Stanford the most exciting place for combining a broad range of scientific and engineering disciplines in biosciences research and for training the next generation of leaders.

Please send applications including a CV, plan research, and names of references to Prof. Alfred M. Spormann (spormann@stanford.edu). Application deadline is December 3, 2006.