

Stanford University Biodesign Program Fellowship

Grantor: Stanford University

Closes: 10/12/2010

Maximum: \$0.00

Stanford University Biodesign Program Fellowship

Explore the basics of biomedical technology invention and implementation through an intensive fellowship at Stanford University. The Biodesign Program has two Fellowship teams each year with different specialty focus areas. Specialty areas in the past have included Cardiovascular Medicine, Neurosurgery/ Neurology, Electrophysiology, Musculoskeletal, Regenerative Medicine, Anesthesia/Critical Care, Gastroenterology and General Surgery.

Application deadlines for 2011 Fellowship is October 12, 2010.

Team Based: Multidisciplinary teams of four graduate and/or postgraduate engineers, business professionals, bioscientists and physicians collaborate in a process involving clinical immersion, identification and verification of clinical problems, invention, prototyping, early-stage testing, and project planning.

Problem-Based, Solution-Driven: Teams invent new technologies that address major clinical and surgical needs. In the past five years Biodesign Innovation teams have filed multiple patents, have introduced new technologies into clinical practice, have started new companies and have won major technology development awards.

Schedule: All of the fellows will complete a 10-month program, stipend supported. Surgeons will complete a second year regardless of first-year team assignment. Other fellows may have the opportunity to do a second year if they are working on a project and can secure funding.

Faculty & Mentors: In addition to Stanford clinical and engineering faculty, the teams are mentored by over 100 "real world" experts in design, prototyping, regulatory, reimbursement, finance and other aspects of technology implementation.

Characteristics: Desirable fellow characteristics include demonstrated leadership potential, evidence of innovation within medical technology, knowledge of medicine and public health, engineering and business and the ability to work in a team.

Candidates & Eligibility: Applicants with a background in engineering, medicine, biosciences or relevant business /technology are encouraged to apply. Masters, Medical or Doctorate degrees preferred. Resident/fellows in surgery who enjoy applying technology to solve unmet clinical needs and who thrive on the process of innovation are encouraged to apply for the Fellowship. Candidates will be judged in terms of potential to become leaders in biomedical technology innovation, including demonstrated potential for creativity, invention and implementation.

Stipend: All fellows are paid a monthly stipend and health benefits are provided.

Selection: Each academic year we select eight fellows. Individuals with a special interest in medical technology development are welcome to apply. Surgeons in their residency or fellowship training may apply to be on one of the teams.

Note: all interview travel costs are reimbursed.

Candidates selected to interview will be notified in late October, interviews will be held November 18, 19 and 20. Final selection of fellows will be announced by end of 2010.

Link: <http://biodesign.stanford.edu/bdn/fellowships/bif.jsp>

Categories: Biomedical Engineering, Career Development, Clinical Research, Fellowships, Health Care Innovations, Health Technology, Innovation, Surgery

Audience: Biomedical Engineer, Engineer, Junior Investigator, Junior Researcher, Junior Scientist, Medical Resident, New Investigator, New Researcher, Postdoctoral Fellow, Technologist, Young Investigator, Young Scientist