



University of California  
San Francisco

**Schools of Pharmacy and Medicine**  
Bioengineering and Therapeutic Sciences

**POSTDOCTORAL RESEARCHER POSITION (Micropackaging)**

Department of Bioengineering and Therapeutic Sciences

Supervisor: Dr. Shuvo Roy, Director, Biodesign Laboratory

**Description**

The Biodesign Laboratory at UCSF, led by Dr. Shuvo Roy, is seeking a highly motivated postdoctoral fellow to work on The Kidney Project (<http://kidney.ucsf.edu>), a multidisciplinary team of academic and industry researchers who are applying MEMS (microelectromechanical systems) and tissue engineering strategies to create an implantable, self-regulating, bioartificial kidney for the treatment of end stage renal disease.

The prospective post-doc will contribute to developing an implantable device suitable for preclinical testing in collaboration with nephrologists and transplant surgeons. More specifically, this individual will also be working on assembly and packaging of silicon components into biocompatible packages for implanted operation.

**Qualifications**

The successful candidate should have a PhD degree in Engineering, Physics, Chemistry, or a closely related field in biomedical sciences, and prior hands-on expertise with construction and testing of MEMS devices. Hands-on skills with experimental setups and the ability to communicate well, both verbal and written, with collaborators at different institutions are essential. Prior experience with machining tools, device fabrication, and biocompatible packaging is highly desirable.

**How to Apply**

Please send a CV/resume, brief statement describing research interests and experience, career goals, and email contact information for three (3) references to [shuvo.roy@ucsf.edu](mailto:shuvo.roy@ucsf.edu).