

## Research Positions – Postdoctoral Fellow & Researcher

The Sharpe Spinal Biomechanics Laboratory in the Departments of Neurosurgery and Bioengineering at the University of Pennsylvania and Pennsylvania Hospital is seeking applicants for postdoctoral fellowship positions in spine biomechanics. Potential research projects include studies of cervical and lumbar spine injury, spine biomechanics and evaluation of clinical treatments, as well as studies investigating spinal interventions via design and testing. These programs are funded by several sources including industrial contracts and the Catherine Sharpe Foundation.

Candidates should have an established background in orthopaedic testing and/or spine biomechanics and be highly motivated in academic research. Applicants with PhD in Biomedical Engineering or Mechanical Engineering or related disciplines are preferred. The individual in this position will be involved in aspects of several ongoing projects in the lab and be encouraged to develop additional independent projects based on interest. An ability to coordinate multiple on-going projects and work independently in a collaborative clinical-basic science environment is required.

The Sharpe Spinal Biomechanics Laboratory is a state-of-the-art facility equipped with an MTS, major imaging capabilities and other instrumentation for mechanical testing across different size-scales and image processing. The lab offers excellent facilities and opportunities to interact with faculty from engineering and medical sciences engaged in a broad spectrum of spinal applications.

See <http://spinepain.seas.upenn.edu> and <http://www.uphs.upenn.edu/neurosurgery/research/> for more details.

Position is open immediately. The competitive salary for this position will be negotiated on the basis of years of relevant experience, publication record, and the strength of letters of recommendation. Highest priority will be given to applicants with a well-demonstrated ability for scientific writing and experience in the field. Interested applicants are invited to send a copy of their curriculum vitae, contact information for 3 references (address, phone number, email) to:

Beth Winkelstein, PhD  
Professor  
Depts. of Bioengineering & Neurosurgery  
University of Pennsylvania  
240 Skirkanich Hall  
210 S. 33rd St  
Philadelphia, PA 19104-6321

winkelst@seas.upenn.edu