

Research Position – Postdoctoral Fellow

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 injury, spine biomechanics and evaluation of treatments, as well as studies investigating spinal interventions via design and testing. These programs are funded by several sources including industrial contracts and the Catharine 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 undergoing a substantial upgrade including purchase of new equipment and the addition of new faculty, staff, and students. The laboratory currently has facilities 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:

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