Open position for a postdoctoral research fellow

The Biologically Inspired Engineering Systems (BIOLines) Laboratory in the Department of Bioengineering at the University of Pennsylvania invites applications for a postdoctoral research fellow position in biological micro- and nanoengineering. Our group focuses on developing new design principles and micro/nanoengineering approaches inspired by living biological systems to create novel devices and materials that improve human health and promote environmental sustainability.

Applicants are expected to hold a Ph.D. degree in bioengineering or other related fields, and to have an excellent track record in research. Hands-on experience in micro/nanofluidics, fabrication, and cell culture is preferred, but not required. The successful candidate will participate in launching several interdisciplinary research projects to develop biomimetic or bio-inspired micro- and nanosystems for a wide range of biomedical, pharmaceutical, and environmental applications. This position will also explore and leverage collaboration with clinicians and scientists in the Perelman School of Medicine at the University of Pennsylvania. Specific examples of research projects under development include microengineered models of healthy and diseased human organs, mechanosensory cell-based autonomous environmental monitoring platforms, dynamically self-assembled tissue engineering scaffolds, and biomimetic extracorporeal medical devices.

Interested applicants should send an electronic copy of their CV to Prof. Dan Huh at huhd@seas.upenn.edu. For more information, please visit our website at http://biolines.seas.upenn.edu.