Postdoctoral Fellowship Available  
Human Information-Processing Research Laboratory  
Department of Psychology, University of Pennsylvania, Philadelphia

The Research:
An opening is available for a postdoctoral fellow to work with Saul Sternberg. Current research topics include (1) how visual information is encoded, transformed, and retrieved within the first two or three seconds after it is displayed, and (2) Interaction of brain and biomechanics in the control of timed actions (as in music performance). Most experiments are run by PCs with analog and digital interfaces for presentation of stimuli and measurement of responses, controlled by programs written in C++ and operating under linux.

Responsibilities:
Developing and modifying computer programs (mostly in C++ under linux) that generate trial sequences and run experiments, running human subjects in experiments, and supervising others who do so, calibration of equipment, data summary and analysis, and collaboration in interpreting results, devising new experiments, and publishing findings.

Terms of the Appointment:
Initial appointment for two years; starting fall or winter 2007. Salary commensurate with skills and experience; generous benefits.

Career Development:
The job can be thought of as an apprenticeship with a broadly experienced cognitive scientist who has a special interest in using reaction-time data for inferences about the structure of mental processes. (See www.psych.upenn.edu/~saul/.) The Fellow would be encouraged to participate in the active life of a distinguished Department of Psychology. (See www.psych.upenn.edu.) The Department belongs to a wider cognitive science and neuroscience community at the University and has close ties with the Departments of Computer and Information Science, Linguistics, and Philosophy, and with the Center for Cognitive Neuroscience, the Institute for Research in Cognitive Science, and the Institute of Neurological Sciences, among others.

Qualifications:
Essential: PhD or equivalent in psychology, cognitive science, or related field. Excellent programming skill; knowledge of C++, and of Unix or Linux. Psychology laboratory experience. Supervisory and organizational ability. Fluent English.

Desirable: Research experience in perception, memory, or action control. Experience with reaction-time measurement or time production. Knowledge of statistical methods and mathematics; familiarity with S-plus or R. Interest in quantitative models. Experience with digital and analog hardware.

Application Procedure:
Please write to Prof. Saul Sternberg, Department of Psychology, University of Pennsylvania, Suite 302C, 3417 Walnut Street, Philadelphia, Pennsylvania 19104-6228, U.S.A., or to saul@psych.upenn.edu, describing your qualifications. Include your CV and names, addresses, and phone numbers of three references able to comment on your qualifications. Please include your phone number as well.

Announcement Date: June 15, 2007