Job Description

Post-Doctoral Fellowship in the Laboratory for Innovation Science (LISH)

Position Description

The Laboratory for Innovation Science at Harvard University (LISH) is soliciting applications for one or more post-doctoral fellowships in computer science and quantitative and experimental social science (economics, management, psychology and sociology). LISH is a Harvard-wide research program led by faculty co-directors Karim Lakhani, Harvard Business School; Eva Guinan, Harvard Medical School; and David Parkes, Harvard School of Engineering and Applied Sciences. We are an interdisciplinary research lab that is focused on developing a science of innovation through the application of quantitative and field experimental methods on innovation problems faced by our partners (NASA, Harvard Medical School, Broad Institute, Department of Defense Research Labs, TopCoder and various corporations).

The Post-Doctoral Fellow will work under the supervision of LISH Directors and affiliated faculty and will have the opportunity to collaborate with researchers around the University. Current research topics for the Lab include incentives for innovation, governance and management of innovation systems, and creativity and problem solving. The areas of application where we conduct our research include innovation contests and communities, science laboratories and R&D organizations, research funding and publishing, technology commercialization and transfer, patient innovation and data science. We are interested in fundamental and applied research in innovation systems. A typical empirical project involves conceiving a suitable research question, designing a suitable field experiment, working with collaborating partners, analyzing historical data, analyzing experimental data, and writing papers.

The positions have no teaching or administrative duties. LISH is looking for candidates with diverse backgrounds and/or new perspectives.

This is a term appointment through 10/31/18, with the possibility of extension based on funding and performance.

Salary

Qualifications

- A Ph.D. in computer science, statistics, economics, management, psychology, sociology, or a related field. PLEASE NOTE: If you have obtained your Ph.D. in the past 12 months you must be able to provide a certificate of completion from the degree-granting institution OR a letter from the institute's registrar stating all requirements for the degree have been successfully completed and should verify the date the degree has been conferred. No exceptions.
- Experience with statistical analysis
- Strong team player with excellent communication skills

We are interested in researchers with the following kinds of skills:

- Experimental design: treatment selection, power analysis

- Game theoretic modeling of behavior
- Programming/scripting knowledge suitable for processing raw data for analysis, e.g., text manipulation
- Economics and computer science
- Quantitative sociology
- Psychological perspectives on problem solving and creativity
- Market design

Application Details

Applications will be accepted until the position is filled. Please email the following to Steven Randazzo at stevenrandazzo@fas.harvard.edu with subject "Post-Doctoral Fellowship".

- Curriculum vitae
- Copy of academic records (unofficial records are acceptable)
- 2-page description of relevant experience
- One or two research papers
- Contact details of at least two references