



[HFES Healthcare TG]postdoctoral fellowship in Human Factors Engineering in Health Care is available

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Mon, Mar 19, 2012 at 5:27 PM

To: HFES Health Care TG Listserv <hfes-healthcareTG@hfes.org>

Dear HCTG members:

I would appreciate it if you could take a look at the job announcement for a postdoctoral fellowship in human factors in health care. Thank you.

Ayse Gurses

POSTDOCTORAL RESEARCH FELLOW IN HUMAN FACTORS IN HEALTH CARE

The Johns Hopkins University School of Medicine

Armstrong Institute of Patient Safety and quality

Department of Anesthesiology and Critical Care Medicine

JOB DESCRIPTION

Job Title: Postdoctoral research fellow

Degree and area of specialization: PhD in Industrial and Systems Engineering with a research focus in Human Factors Engineering in Health Care (particularly in the areas of Patient Safety and/or Health Information Technologies)

Department: Armstrong Institute of Patient Safety and Quality, Department of Anesthesiology and Critical Care Medicine, Johns Hopkins University

Overview: The Armstrong Institute's goal is to eliminate preventable harm to patients and to achieve the best patient outcomes at the lowest cost possible, and then to share knowledge of how to achieve this goal with the world. Created with a \$10 million gift from C. Michael Armstrong, former chairman of the Johns Hopkins Medicine Board of Trustees, the institute also provides an infrastructure that, for the first time, oversees, coordinates and supports patient safety and quality efforts across Johns Hopkins' integrated health care system. The interdisciplinary research environment of Armstrong Institute and access to a variety of healthcare settings offer opportunities to explore and study new and interesting human factors engineering principles and applications in the field. **The fellow will primarily be working with Ayse Gurses, PhD on research projects in the areas of human factors in patient safety and/ or health information technologies.** The fellow will also collaborate with other interdisciplinary research members of the Armstrong Institute.

Education & Qualifications:

- PhD in Industrial and Systems Engineering with a research focus in Human Factors Engineering in

Health Care (particularly in the areas of Patient Safety and/or Health Information Technologies)

- Ability to work independently as well as collaboratively in research projects
- Willingness and ability to initiate and lead their own research projects/grant applications; publish extensively in high quality peer-reviewed journals.
- Ability to balance and prioritize tasks, and delivers timely outcomes
- Effective team management and communication skills.
- Excellent problem solving skills
- Good understanding of the research processes and methodologies including qualitative and quantitative research methods. Strong interest in conducting field research in health care environments.

Duties and Responsibilities:

- Conducting literature review and summarizing findings
- Managing and performing data collection activities
- Analyzing qualitative and quantitative data
- Authoring/co-authoring review and research manuscripts
- Help with writing grant proposals, lead writing career grants (if interested and applicable)

Special Knowledge, Skills, and Abilities:

- Basic understanding of healthcare systems
- Experience in reviewing literature using common databases, and use of reference software such as Refworks and Endnote.
- Experience in data collection protocols, IRB process.
- Experience in qualitative analysis, and use of software such as NVivo, Excel.
- Knowledge of tools such as Visio and other visualization tools
- Experience in questionnaire design and statistical data analysis
- **Fellowship period:** One year (12 months), with a possibility of second year appointment based on academic performance.
- **Anticipated start date:** June 1st, 2012
- **Application Deadline: April 11th (Wednesday), 2012.**
- **Materials to submit**
 - Curriculum Vitae
 - Research Statement (up to 2 pages) that describes your research experience, interests, and future goals.

- Names and contact information of three references, including your PhD advisor.

- **Contact Information**

Please email materials and questions to Dr. Ayse P. Gurses, Email: agurses1@jhmi.edu