

## **AHA-PRT Outcomes Research Postdoctoral Fellowships**

### **Call for Expressions of Interest**

**Deadline: Jan. 30, 2009**

The *American Heart Association-Pharmaceutical Roundtable (AHA-PRT) Outcomes Research Centers* invite applications for two-year postdoctoral fellowships (beginning in July 2009).

Applicants should be exceptional and highly motivated individuals who seek advanced research training and experience to become leaders in cardiovascular disease or stroke outcomes research. The AHA-PRT Outcomes Research Centers' Fellowship Training Programs are intensive experiences that will prepare post-doctoral scholars for careers in outcomes research. As a part of their training, fellows will be expected to pursue advanced training in epidemiology, biostatistics and health services research, with the goal of obtaining masters degree (this requirement may be waived if an applicant has had equivalent prior training). All of the centers' training programs include substantial protected time for research and formal mentorship from experienced faculty. Fellows will design and complete one or more independent research studies during their fellowship. These can occur within the Initial Research Projects being pursued as part of the AHA Outcomes Research Program, or through multiple other datasets and research projects being conducted at the centers. Each training program also includes opportunities for didactic training, as well as cross-center training through a collaborative network that the four centers have established for research training. Multi-disciplinary mentorship will be supported and emphasized at each of the four centers.

Fellows must possess an M.D., Ph.D., D.O., D.V.M. or equivalent doctoral degree and must be U.S. citizens, permanent residents, pending permanent residents, or hold one of the following visa statuses: E-3, F-1, H1-B, J-1, O-1, or TN. Fellows must commit a minimum of 75 percent of time to research training.

Following are descriptions of AHA-PRT Outcomes Centers and research projects.

### ***Duke University***

#### Center Theme

Improving transitional care for patients with coronary disease, myocardial infarction and heart failure

#### Overview

Our three proposed research initiatives each focus on “transitional” care concerns. These include the transition from hospital to home following acute myocardial infarction or following admission for heart failure. We also will study system challenges brought on in the transfer of ST-segment elevation myocardial infarction patients for timely reperfusion therapy. Additionally, our studies focus on identifying specific aspects of care that were both associated with better care process and outcomes and were, importantly, amenable to change.

#### Initial Research Projects

Project A: Evaluate innovative strategies for encouraging self-management and lifestyle modification of cardiac risk factors following an acute myocardial infarction.

Project B: Conduct an in-depth retrospective evaluation of Reperfusion of Acute MI in North Carolina Emergency Departments (RACE) program, to better characterize the process and system changes associated with this improvement; the impact of RACE on known racial disparities; and evaluate the impact of the program on overall patient outcomes such as all-cause mortality.

Project C: Examine heart failure, a condition characterized by a very high rate of ‘recurrent failures’, death or rehospitalizations. The project’s goal is to identify patient care and system factors that can reduce patients’ risk for early death or recurrent hospitalization.

## ***Mid America Heart Institute***

### Center Theme

Developing novel strategies to translate individualized, patient-centered, risk prediction models into the process of routine clinical care and to evaluate the appropriateness of patients being treated with percutaneous coronary interventions (PCI).

### Overview

The major foci of the Mid America Heart Institute outcomes research program are patient-centered care and outcomes, quality assessment/improvement, translation of evidence-based care into practice, and economic and decision analyses. Over the past decade, the Mid America Heart Institute team has significantly contributed to many of the current methods for quantifying and analyzing patient-centered health status outcomes, assisted in the development of performance measurement as a means for quality assessment/improvement, applied the methods of cost-effectiveness and decision analysis to novel cardiovascular technologies and led numerous prospective registries to define patient and treatment characteristics associated with clinical outcomes in coronary atherosclerosis, heart failure and vascular disease. One of the key objectives of the AHA PRT Outcomes training program at the Mid America Heart Institute is to augment the traditional clinical research training with additional, specialized skills in outcomes research and quality improvement.

### Initial Research Projects

Specific projects being supported by the AHA Outcomes Research Program include developing novel strategies to translate individualized, patient-centered, risk prediction models into the process of routine clinical care in patients undergoing PCI and developing the methodology to study the appropriateness of PCI.

## ***Stanford University - Kaiser Permanente of Northern California***

### Center Theme

Defining and delivering optimal therapy for ischemic heart disease and chronic heart failure in routine clinical practice

### Overview

The goal of the Stanford-Kaiser Outcomes Research Center is to assess the longitudinal effectiveness and safety of cardiovascular pharmacological and device therapies for coronary disease and heart failure in usual clinical care settings.

### Initial Research Projects

The Stanford-Kaiser Center includes two primary projects that will use a detailed longitudinal clinical registry of patients with specific cardiovascular conditions. Both projects will assess the variation in the use and outcomes of therapies according to patient factors and system factors and will benefit from efforts in the Center to improve the methods used in outcomes research, particularly in advancing the state-of-the-art approaches to evaluating treatment comparisons in observational studies.

Project A: Examine the use and related clinical outcomes and costs of various therapeutic options for coronary heart disease.

Project B: Examine the longitudinal use and associated clinical outcomes of different pharmacological and device therapies used for chronic heart failure.

**University of California, Los Angeles**

Center Theme and Overview

Substantial racial, ethnic, and socioeconomic disparities in care quality and outcomes are well-documented for stroke, heart disease, and their risk factors. The UCLA Center's theme is to address racial/ethnic and socioeconomic disparities in care for and outcomes of stroke and cardiovascular disease among high-risk, underserved populations.

Initial Research Projects

The Center's two research studies will elucidate causes of these disparities, and will generate and test sustainable interventions to redress them at both the individual and community levels.

Project A: Develop and implement a new model for improving risk factor control in stroke survivors in the Los Angeles County public health system, a safety-net system for an ethnically diverse, indigent population in this large urban area.

Project B: Generate new knowledge about the impact and mechanisms of neighborhood socioeconomic disadvantage on stroke occurrence, care, and a broad range of post-stroke outcomes based on data from the Cardiovascular Health Study (CHS), a large population-based, longitudinal study of coronary heart disease and stroke in adults 65 years of age and older.

**Applicants should contact the appropriate person below for additional application procedures. Deadline for all candidates is January 30, 2009.**

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<p><b>Stanford University-Kaiser Permanente of Northern California</b> Stanford, California and Oakland, California Contact: Mark Hlatky, M.D. c/o Elaine Steel Stanford University School of Medicine HRP Redwood Building, Room 150 Stanford, CA 94305-5405 Phone: (650) 723-6426 E-mail: <a href="mailto:steel@stanford.edu">steel@stanford.edu</a></p>	<p><b>University of California, Los Angeles</b> Los Angeles, California Contact: Barbara Vickrey, M.D., M.P.H. c/o Eliza Aceves UCLA Dept of Neurology C-109 RNRC; Box 951769 Los Angeles, CA 90095-1769 Phone: (310) 206-7671 Fax: (310) 794-7716 E-mail: <a href="mailto:eaceves@ucla.edu">eaceves@ucla.edu</a></p>