Grant Title: ADVANCE: INCREASING THE PARTICIPATION AND ADVANCEMENT OF WOMEN IN ACADEMIC SCIENCE AND ENGINEERING CAREERS

Funding Opportunity Number: 12-584. CFDA Number(s): 47.041, 47.049, 47.050, 47.070, 47.074, 47.075, 47.076, 47.078, 47.079, 47.080, 47.081.

Agency/Department: National Science Foundation.

Area of Research: Develop systemic approaches to increase the representation and advancement of women in academic science, technology, engineering and mathematics (STEM) careers.

Release and Expiration: Release Date: July 10, 2012.


Amount: Expected Number of Awards: 22. NSF expects to make: Approximately six (6) Institutional Transformation awards, at various award sizes; Up to six (6) IT-Catalyst awards with total budgets of approximately $200,000 each; and up to ten (10) PAID awards, of various durations, not exceeding a maximum of $750,000.

Length of Support: Institutional Transformation and PAID awards: 5 years. IT-Catalyst awards: Up to two years.

Eligible Applicants: Unrestricted.

Summary: The overall goal of the ADVANCE Program is to increase the representation and advancement of women in academic science and engineering careers, thereby developing a more diverse science and engineering workforce. Proposed strategies to achieve this goal are based on and justified by relevant theoretical frameworks that often include, but are not limited to: (a) organizational models and mechanisms of institutional transformation that lead to a STEM climate that is conducive to achieving gender equity; (b) structural and cultural factors, intrinsic and extrinsic to institutions of higher education and the STEM disciplines, that impact gender equity; (c) the impact of intersectionality on gender equity in STEM fields; (d) the differential impact of academic culture at different institution types (i.e., liberal arts institutions, minority serving institutions, community colleges) on gender equity; (e) the structural and cultural factors, intrinsic and extrinsic to institutions of higher education and STEM disciplines, in particular, that impact academic STEM career choice and persistence; (f) the overall impact of broadening participation of women in higher education. Institutional Transformation awards are expected to include innovative and systemic organizational approaches to transform institutions of higher education in ways that will increase the participation and advancement of women in STEM academic careers. These awards support comprehensive programs for institution-wide change. IT-Catalyst awards are designed to support historically resource-challenged institutions in their efforts to conduct institutional self-assessment activities (i.e., data collection, data analysis, policy review) in order to identify specific issues in the recruitment, retention and promotion of women faculty in STEM disciplines. Partnerships for Adaptation, Implementation, and Dissemination awards may focus on one institution or organization, or they may be a partnership between several institutions and/or organizations. PAID projects can focus on all STEM disciplines, several disciplines, or only one discipline, including the social and behavioral sciences. Projects may have an international, national, regional or local scope.