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

Funding Opportunity Number: 10-593. 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.


Amount: Expected Number of Awards: 23. Institutional Transformation: Various award sizes. IT-Catalyst: budgets not to exceed a maximum of $200,000 each. PAID awards: Not to exceed 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 goal of the ADVANCE program is to develop systemic approaches to increase the representation and advancement of women in academic science, technology, engineering and mathematics (STEM) careers, thereby contributing to the development of a more diverse science and engineering workforce. ADVANCE focuses on ensuring that women faculty with earned STEM degrees consider academia as a viable and attractive career option. This program does not support projects to increase or retain the number of women entering into or persisting in STEM doctoral degree programs. Thus, efforts to impact the STEM pipeline are not considered appropriate for the ADVANCE Program. Creative strategies to realize the ADVANCE program goal are sought from women and men. Members of underrepresented minority groups and individuals with disabilities are especially encouraged to apply. Proposals that address the participation and advancement of academic STEM women from underrepresented minority groups and women with disabilities are particularly encouraged. Further, given the increasing emphasis on international collaborations in many STEM disciplines, and the importance of international recognition to career advancement, proposal components that systematically enhance and provide access to international collaborations are encouraged. Institutional Transformation awards are expected to include innovative 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 projects must include a 5-page research component designed to study the effectiveness of the proposed innovations in order to contribute to the knowledge base informing academic institutional transformation. IT-Catalyst awards are designed to support historically resource-challenged institutions in efforts to conduct institutional self-assessment activities in order to identify specific issues in the recruitment, retention and promotion of women faculty in STEM academics within an institution of higher education. This type of work is fundamental for institutions that plan to undertake institutional transformation. 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.
