

National Science Foundation's Physics Frontiers Centers (PFC)

Program Solicitation: NSF: 16-561

Replaces document(s): NSF 13-559

The **Physics Frontiers Centers (PFC)** program supports university-based centers and institutes where the collective efforts of a larger group of individuals can enable transformational advances in the most promising research areas. The program is designed to foster major breakthroughs at the intellectual frontiers of physics by providing needed resources such as combinations of talents, skills, disciplines, and/or specialized infrastructure, not usually available to individual investigators or small groups, in an environment in which the collective efforts of the larger group can be shown to be seminal to promoting significant progress in the science and the education of students. Activities supported through the program are in all sub-fields of physics within the purview of the Division of Physics: atomic, molecular, optical, plasma, elementary particle, nuclear, particle astro-, gravitational, and biological physics. Interdisciplinary projects at the interface between these physics areas and other disciplines and physics sub-fields may also be considered, although the bulk of the effort must fall within one of those areas within the purview of the Division of Physics. The successful PFC activity will demonstrate: (1) the potential for a profound advance in physics; (2) creative, substantive activities aimed at enhancing education, diversity, and public outreach; (3) potential for broader impacts, e.g., impacts on other field(s) and benefits to society; (4) a synergy or value-added rationale that justifies a center- or institute-like approach.

Letter of Intent Due Date: August 1, 2016

Full Proposal Deadline: January 30, 2017 (**invitation only**)

Anticipated Type of Award: Cooperative Agreement

Estimated Number of Awards: 4 to 6

Anticipated Funding Amount: \$10,000,000 to \$13,000,000 (in FY 2017, pending availability of funds and the quality of proposals received).

This is a limited submission grant opportunity.

Organization Limit: 2

PI Limit: 1

FOR FULL DETAILS, VISIT THE [PROGRAM SOLICITATION](#).

To be considered to submit a proposal from Wayne State University, please send a **one page Letter of Intent and the PI's abbreviated CV** to rifs@wayne.edu by 5 pm on Monday, June 20, 2016.