NEWS FROM RESEARCH CORPORATION

a foundation for the advancement of science

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RESEARCH CORPORATION AWARDS $2.8 MILLION IN GRANTS TO SCIENTISTS IN CHEMISTRY, PHYSICS AND ASTRONOMY

Awards Promote Research at Primarily Undergraduate Institutions and Encourage Ph.D.-Granting Institutions to Excel at Both Teaching and Research

(Tucson, AZ) – Research Corporation, America's first foundation for the advancement of science announces the awarding of sixty-five grants to scientists at colleges and universities across the United States and Canada. Through three different grant programs, Research Corporation will be supporting scientists in many of the cutting-edge areas of science—from dark energy, cosmology, and nanostructures to biomimetic systems, light-harvesting compounds and environment-friendly solvents.

Examples of this year's awardees and their proposed research programs include:

- Ann Esin, Department of Physics at Harvey Mudd College, will study the photometric variability of stars in nearby star-forming clusters. (Cottrell College Science Award)
- Peter M. Iovine, Department of Chemistry at the University of San Diego will examine the synthesis and spectroscopy of conjugated light-harvesting compounds containing boroxine cores. (Cottrell College Science Award)
- Rustem F. Ismagilov, Department of Chemistry at the University of Chicago, will use minimal chemical models to understand complex biochemical networks and to create biomimetic functional systems. (Cottrell Scholar Award)
- Bhuvnesh Jain, Department of Physics and Astronomy at the University of Pennsylvania, will study gravitational lensing as a probe of dark energy and cosmology. (Cottell Scholar Award)
- Rebecca L. Braslau, Department of Chemistry and Biochemistry at the University of California, Santa Cruz, will investigate the design and preparation of ABA triblock copolymers as lipid bilayer mimics. (Research Opportunity Award)

Through the Cottrell College Science Awards (CCSA) program, faculty at primarily undergraduate institutions are challenged to explore new areas of science, to make new discoveries that contribute to their discipline and to initiate new research programs that can be sustained by other extramural funding sources, as well as with institutional support. A key element in these research programs is that they involve undergraduate students in meaningful ways. It is also expected that these endeavors will spill over into teaching, thereby raising the quality of undergraduate education.

The CCSA program supports both beginning and established faculty, with an emphasis on faculty initiating an area of research. These awards are announced twice a year. In this round of CCSA announcements, fifty-one scientists will receive $1.8 million in grants, an average of $36,000 per grant.scientists will receive $1.8 million in grants, an average of $36,000 per grant.

The prestigious Cottrell Scholar Awards (CSA) program is designed to support young faculty members at Ph.D.-granting institutions. These awards recognize institutions and faculty members who wish to excel at both teaching and research. The awards also seek to reinforce faculty mentoring, communication and a heightened appreciation for instruction in university science departments.

Cottrell Scholars are announced once a year, and each award recipient receives a grant of $75,000. Applicants must be in the third full calendar year of their first tenure-track position, and their applications consist of both research and teaching proposals. In this year's competition, the eleven awardees were selected from a group of ninety-six applicants.

In the third and final announcement, Research Opportunity Awards (ROA) have been made to three mid-career and senior scientists at graduate institutions who wish to reestablish long-term funding by initiating a new program of experimental research. In the ROA program, the chair of each Ph.D.-granting astronomy, chemistry or physics department in the United States and Canada may nominate up to two tenured faculty members annually who are without major research funding. The goal is to seed a vigorous, competitive basic research program reestablishing the individual as a productive member of the scientific research community. Awards are announced twice a year, and each award is for $50,000.

To see a list of all award recipients, please click here.

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Research Corporation is a private foundation, established in 1912, that aids basic research in the physical sciences (astronomy, chemistry and physics) at U.S. and Canadian colleges and universities. As one of the country's first foundations, Research Corporation was incorporated before the term "foundation" came into popular use. Research Corporation's founder, Frederick Gardner Cottrell, was a distinguised scientist, inventor and philanthropist. He continues to serve as a model and inspiration for the scientists who receive these awards today.

Research Corporation supports ideas independently proposed by college and university faculty members and carries on activities related to science advancement.

For more information about Research Corporation and its programs, visit their website (www.rescorp.org).

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