RESEARCH CORPORATION FOR SCIENCE ADVANCEMENT
Cottrell Scholar Award Application

Please confine responses to this form, using one side only. Use Arial 11 point font.

Principal Investigator:
Academic Rank:
Department:
Institution Name:
Institution Address:
Phone:
Email:
Appointment Date:

EDUCATION AND EXPERIENCE: (All academic degrees, postdoctoral appointments, PhD and postdoctoral mentors, previous employment dates and locations. Example: YYYY – Current Institution, Department, City, State, Position; YYYY – YYYY Institution, Department, City, State, Degree, Mentor.)

PROPOSAL TITLE: (Must fit on two lines and not exceed 130 characters.)

ABSTRACT: (In the following space, provide a summary of your proposal plans. Please address both research and educational plans. Maximum 250 words.)
PUBLICATIONS OF PRINCIPAL INVESTIGATOR. List all within last five years (no abstracts, talks, or conference proceedings); include all authors and titles. For papers with more than 10 authors, list only the corresponding author(s) and your rank among all authors; e.g. 52 out of 200). Group separately and clearly indicate the publications that are independent of mentors and resulted from your work during a tenure-track appointment. Attach one additional page if necessary. Use Arial 11 point font.
FINANCIAL SUPPORT. Include amounts for both internal and external direct support for this and any other projects since the start of your faculty position. List start-up funds, grants received (current and completed), and proposals under consideration. Include titles, period of support, and dollar amounts.
STATEMENT OF THE PROBLEM, ITS SCIENTIFIC SIGNIFICANCE, AND YOUR PLAN OF PROCEDURE. State succinctly the problem that is to be addressed. Clearly outline the importance of the problem, the originality of the approach and the impact it may have on the field if successful. Give an overview of the broader significance as well as the immediate impact of this research. Then outline your approach to the problem and include preliminary results, if available. Point out innovative features, relate to previous work, including pertinent references, and indicate how this plan may contribute to the solution of the broader problem posed. Preliminary results can buttress your case, as can prior independent publications. Limit to four pages. Use Arial 11 point font.
LETTERS OF COLLABORATION. If the research described above requires work from in-house or external collaborators, please insert letters of collaboration following the LIST OF REFERENCES. Please limit letter size to one page each.
EDUCATIONAL PROPOSAL

STATEMENT OF THE PROBLEM, SIGNIFICANCE OF THE PROBLEM, AND YOUR PLAN OF PROCEDURE. Describe identified educational priorities in your department and explicitly detail how your plan fits. State clearly the problems or issues you wish to address and how they relate to any ongoing work. Cite precedent. Carefully outline the importance of your plan and the impact it may have on your undergraduate and/or graduate students. A viable approach should be given, including examples from your own prior experience and/or from the literature. Indicate ways in which the completion of this work has a broader impact. Use Arial 11 point font. Limit to three pages.
ASSESSMENT PLAN. Define expected outcomes of your educational plan. How will your evaluation design provide information to improve your project as it develops and progresses? How will you determine whether your stated project objectives are being met according to the proposed timeline?

Identify departmental or institutional colleagues who might play a role in this educational endeavor (as mentors, collaborators, etc.) as appropriate and describe the role they will play.
COURSES TAUGHT. List all undergraduate and graduate courses you have taught since the beginning of your first faculty appointment. For each, indicate student enrollment, briefly describe content (up to 30 words) and highlight teaching methods/approaches. (For example, General Chemistry; Freshman level; 200 students; Measurements and Units, Description of Matter, Solutions, Stoichiometry, Thermochemistry, Equilibria, Electrochemistry, Kinetics, Atomic Structure, Chemical Bonding, Molecular Structure; Flipped Classroom)

LETTER OF SUPPORT. Include a letter of support from your Departmental Chair, Dean or Provost that endorses your educational proposal and indicates why you are the appropriate faculty member to undertake this project. Please insert the letter following the ACADEMIC CITIZENSHIP STATEMENT.
ACADEMIC CITIZENSHIP STATEMENT. Universities and colleges are complex institutions that rely on faculty to assume numerous and wide-ranging responsibilities. Faculty are directly responsible for making universities and colleges effective places for student learning, for advancing research, and for preserving and disseminating knowledge. Briefly indicate your plan to become a stronger academic citizen by gaining a deeper understanding of, and by participating in, the governance structure, policy setting, and decision making in your institution; by serving as a mentor, supervising student research projects, and collaborating with colleagues; and by taking time to consider institutional needs and opportunities, to develop and share creative ideas to enhance your university or college and advance its mission through meaningful service and (perhaps in the future) leadership positions. You may bolster your case by describing your past and/or current citizenship activities. Use Arial 11 point font. Limit to one page.
LIST OF REFERENCES. Annotate the proposal with a list of references from the primary literature. Include all authors and titles. If more space is required, attach a maximum of one additional page. Use Arial 10 or 11 point font.
LIST OF REVIEWERS. The reviewer list should include at least eight “outsiders,” individuals with whom you have had no substantive contact, who are experts in your area of research. At list four of the outside reviewers should be from US academic institutions. List at least two “insiders,” preferably former mentors. We may also select reviewers of our choice. Please include complete names (initials are not enough), titles, institutions, mailing addresses, phone and fax numbers, and email addresses. Use Arial 10 or 11 point font. You must note briefly the nature and extent of your interactions with each of the outside reviewers; e.g., met at a meeting, interviewed with, no interaction, never met, etc. Limit to one page.
ENDORSEMENT PAGE

Conditions of Research Corporation for Science Advancement’s Cottrell Scholar Award

A RESEARCH CORPORATION FOR SCIENCE ADVANCEMENT (RCSA) AWARD is a contribution to the scientific and academic program of the institution and is to be used for support of work described in the application prepared by the principal investigator and adopted by the institution.

Since research by its very nature is unpredictable and may require adaptations in order to exploit promising leads, the principal investigator should feel free to make changes in the emphasis or direction of the work as it progresses. If major changes are contemplated, prior approval should be obtained.

Details of program allowances and restrictions can be found on our website, www.rescorp.org.

Financial and scientific reports prepared on the foundation’s forms are absolutely required. The first report is due within 30 calendar days of the 12-month anniversary of the award start date. The final report is due within 30 calendar days of the 36-month anniversary of the award start date. Failure to provide the first annual report may result in suspension of the award and a request to return unspent funds. Failure to provide the final report will result in suspension of the institution from participation in RCSA programs.

The principal investigator is urged to publish the findings in the appropriate scientific journals, acknowledging the support of Research Corporation for Science Advancement.

RCSA awards are true awards to the institution, not contracts for research with the institution or the principal investigator, and RCSA disclaims any rights in the results of the research.

APPLICANT NAME: ____________________________________________

PROJECT TITLE: ______________________________________________

SUBMITTED BY: ______________________________________________

(INSTITUTION) ________________________________________________

Name of institution adopting and assuming responsibility for the above project, believing the principal investigator is qualified to conduct the project, and accepting the Conditions of Award, if an award is approved.

NAME, POSITION AND E-MAIL ADDRESS OF AUTHORIZED FINANCIAL OFFICER: ____________________________________________

SIGNATURE OF FINANCIAL OFFICER: __________________________ DATE __________________

NAME OF CHIEF EXECUTIVE OFFICER (CEO) __________________________

TITLE OF CEO (President or Chancellor) __________________________

SIGNATURE OF PRINCIPAL INVESTIGATOR: ______________________ DATE __________________

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