

CALL FOR PROPOSALS
YARBROUGH UNDERGRADUATE RESEARCH GRANTS
2009-2010 Academic Year

1. Grants are for research to be carried out during the summer of 2009 and/or the 2009-2010 academic year. Maximum amount available to be determined by NCAS Board. Projects that are hypothesis driven and include cost sharing from the host institution will be most competitive.
2. **Applicants must be** freshmen, sophomores, or juniors in good standing at any North Carolina college or university, plan to be enrolled next year, and **members of the Collegiate Academy**. The research advisor **must be a member** in good standing of the **NCAS** and is responsible for administrating the funds. No faculty advisor can sponsor more than three applicants in any one year. Membership forms can be obtained on the Academy web pages (CANCAS: www.cancas.org and NCAS: www.ncacadsci.org).
3. Applicants **must** include the following:
 - a. From the student: **One copy** of
 - (1) A proposal cover sheet.
 - (2) A narrative description of the research. This should include an introduction with clear statement of purpose, methods and materials, and listing of pertinent references. It should be no longer than two pages.
 - (3) A one page budget summary.
 - Itemize as specifically as possible; no miscellaneous line item, please!
 - Indicate quantity and source of materials. Appropriate expenses include supplies. Inappropriate expenses include shipping charges, major equipment, software and other items that should be part of the institutional cost-sharing. Supplies and equipment normally available in science departments, books and routine travel expenses should not be included (see enclosed example).
 - The budget should be comprehensive to include the full project, however, since typical grants will be in the \$100-\$500 range, projects requiring more funding than this should include a short statement that indicates source(s) from which additional funding will be sought (e.g. institution cost sharing, another grant, etc.)
 - b. From the faculty sponsor: **One copy** of a supporting letter.
 - c. From **two** other professors: **One copy** each of two general letters of recommendation.

4. Any research requiring special permits or approvals (e.g. animal use, banding, etc.) should clearly state that those permits will be or are in hand. Individuals and the institution are responsible for obtaining the appropriate permits and approvals.
5. Recipients **must** present a paper on their research at the 2010 spring meeting and submit a brief financial report to the chairman of the Research Grants Committee upon completion of the research project. Derieux Award winners are encouraged to submit a manuscript on the research to the **Journal of the North Carolina Academy of Science** for publication.
6. All application materials should be sent to:

David Webster, Ph.D.
Associate Dean
College of Arts and Sciences
University of North Carolina Wilmington
Wilmington, NC 28403-5912

7. Deadline for receipt of all application materials is **April 15, 2009**. Awards will be announced by **May 29, 2009**. Recipients must indicate their acceptance of the grant by **July 17, 2009** in order to receive funds. If funds will be used for summer research, notification of acceptance should be sent as soon as possible. The funds will be distributed in June 2009 (for summer projects only) and September 2009.

PROPOSAL COVER SHEET

Name of Student: _____

Mailing Address: _____

College or University: _____

General Area of Research (e.g., Microbiology): _____

Title of Research Proposal: _____

Total Funds Requested: _____

Projected start date: _____

I certify that I plan to be enrolled at the institution named above during the 2009-2010 academic year. I understand that to be eligible for a grant I must (a) be a member of the Collegiate Academy (either individual or group member in good standing) (b) present a paper on my research at the 2010 spring meeting, and (c) submit a brief financial report to the chairman of the Research Grants Committee upon completion of the research. I also understand that if I am a Derieux Award winner, I am encouraged to submit a written paper on my research for publication in the **Journal of the North Carolina Academy of Science.**

Student's Signature

Name of Faculty Research Advisor _____

Mailing Address: _____

Telephone Number: _____ E-mail: _____

Academic Discipline: _____

I certify that I am a NCAS member in good standing, the above student is an undergraduate at the college or university named and that I agreed to supervise his/her research.

Research Advisor's Signature

EXAMPLE OF A PROPOSED BUDGET USING PROPER FORM

TITLE OF RESEARCH PROJECT: XXXXX

PROPOSED BUDGET

ITEM	QUANTITY	SOURCE	UNIT PRICE (\$)
MAGENTA GA 7 VESSELS	25	SIGMA, V-8380	46.90
MAGENTA GA 7 VESSELS	25	SIGMA, C-0542	17.25
MEMBRANE RAFT SQUARE	5	SIGMA, M-3029	15.00
SEPHADEX G-10	50 g	SIGMA, G-10-120	56.00
SEPHADEX G-15	50 g	SIGMA, G-15-120	82.50
CORNMEAL AGAR	500 g	BAXTER, 11132BT	76.60
NUTRIENT AGAR	500 g	BAXTER, 11472BT	63.45
POLYPROPYLENE SNAP CAPS, 12 X 75	500	BAXTER, T1343-12	82.57
FERN AND MOSS LIQUID	4 qts	CAROLINA BIOLOGICAL, 15-6786	53.92
SPHAGNUM	5 cases of 12	CAROLINA BIOLOGICAL, 15-6740	30.75
TANNIC ACID	250 g	SIGMA T-0215	12.40
ALBUMIN BOVINE FRACTION 5 POWDER	10 g	SIGMA A-9647	23.80
TOTAL			\$466.54

THE ESTIMATED TOTAL COST OF THE PROJECT WILL BE \$466.54

STATEMENT OF ADDITIONAL FUNDING*

Additional funding is available from departmental funds and will also be sought through Sigma Xi.

** Note: A Statement of Additional Funding is required for projects that will require more than the amount typically available from Yarbrough funding. See additional information above.*