

Summary for the NSF's Active Nanostructures and Nanosystems (ANN) (NSF 05-610)

NSF announcement online at
http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf05610

Preproposals due October 3

Please share this announcement with faculty who may wish to apply to these programs.

Through the Active Nanostructures and Nanosystems (ANN) announcement (NSF 05-610), the NSF has announced the availability of grants to support collaborative research and education in the area of active nanostructures and nanosystems, and on the long-term social change associated with these innovations. The goal of the program is to support fundamental research and catalyze synergistic science and engineering research and education in several emerging areas of nanoscale science and technology, including: a) fundamental nanoscale phenomena and processes in active nanostructures; b) nanosystems with improved functionality and new architectures; c) hierarchical nanomanufacturing; and d) long-term societal and educational implications of scientific and technological advances on the nanoscale. The solicitation provides support for Nanoscale Interdisciplinary Research Teams (NIRT) and Nanoscale Exploratory Research (NER).

Brief specifics on the programs follow. For in-depth information, view the full program announcement on the web at http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf05610
The NSF's deadline for both NIRTs and NERs is November 29

Central coordination of applications is necessary as both programs limit the number of applications from submitting lead institutions. Partnerships are permitted, but lead institutions must be specified for each application.

Faculty interested in submitting an application or applications to either of the ANN programs with UNC Chapel Hill designated as lead institution **must submit a preliminary proposal of up to 4 pages. The preproposal must include:**

(a) the program of interest: NIRT or NER (b) a proposal title (c) the names, titles, and departmental affiliations of the investigators, with PIs and co-PIs indicated and (d) the primary research and education theme of the proposal, with secondary theme(s) indicated if applicable. The ANN announcement provides detail on the four themes supported through this program.

NIRT preproposals should address the management, education and outreach aspects of the project.

Please submit with the preproposal: a) 2-page summary CVs of the proposed PIs and co-PIs; b) the names of up to three faculty members who could knowledgeably discuss the preproposal as part of an internal review panel.

The preproposal and supporting material must reach the Office of Research Development (diane_royle@unc.edu or CB 4100) by Monday, October 3. Receipt of preproposals will be acknowledged via email.

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Nanoscale Interdisciplinary Research Teams (NIRT)

Supports small collaborative groups of 3-5 principal investigators.

Award amount: \$250k to \$500k per year for 4 years.

Estimated number of awards: 30

Limit on number of proposals submitted with UNC as lead institution: 3.

Nanoscale Exploratory Research (NER)

Supports individuals or small groups..

Award amount: up to \$130k for one year.

Estimated number of awards: 40

Limit on number of proposals submitted with UNC as lead institution: 2. An exception is made for an additional NER proposal that may be submitted in "Societal and educational issues associated with long-term research science and engineering advances." At least one proposal must have a PI or co-PI at the level of assistant professor.