

REQUEST FOR PROPOSALS  
BOTANICALS CENTER PILOT GRANT PROGRAM 2007  
DUE April 1, 2007

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RESEARCH ON DIETARY  
BOTANICALS SUPPLEMENTS

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Funding Objectives

The Purdue-UAB Botanicals Center invites applications for one-year research grants to fund pilot grants focused on efficacy of health effects, bioavailability, mechanism of action, identification and characterization of bioactive ingredients, and safety of dietary botanical supplements purported to reduce the risk of age-related diseases in humans. These awards are made possible through the National Institutes of Health for the purpose of attracting investigators to study botanicals for human health. The awards are to fund acquisition of preliminary data relevant to the mission with high potential for attracting extramurally funded research. Successful applicants will utilize the Botanicals Center Cores and will be expected to contact the Core Leaders prior to submission. (See attached Core Contacts and Capacities) The Cores will provide some services free of charge which extends your grant budget. Scientific merit will be evaluated by an interdisciplinary review committee consisting of the Botanicals Center Executive Committee and Ad Hoc appointees.

General Information

We plan to award~ \$100,000 this year. We anticipate approving 3-4 awards. Matching funds will be considered favorably in the review process. Principal investigators must be full-time tenure or research track faculty or their equivalent from participating institutions. Each principal investigator may submit one proposal only during each funding cycle. The proposal is due in the Botanicals Center office on or before April 1, 2007: send to CJ Krueger, Department of Foods and Nutrition, Purdue University, 901 W. State Street, West Lafayette, IN 47907-2089, 765-494-6566, [kruegerc@purdue.edu](mailto:kruegerc@purdue.edu).

It is anticipated that these grants may be activated August 2007, but after authorization is granted by NIH upon receiving assurances for animal care and use and human subject research.

Botanicals Director, Dr. Connie Weaver, Department of Foods and Nutrition, Purdue University, 700 W. State Street, West Lafayette, IN 47907-2059, 765-494-8231, [weavercm@purdue.edu](mailto:weavercm@purdue.edu)

Format of Application

The Guidelines for Proposal Preparation describe the organization and format of the application. All proposals should use at least 12 font and one inch margins on 8 ½ x 11 paper. Submit (one) 1 electronic pdf/word copy by the deadline plus one (1) hard copy with original signatures to follow. The grant will not be reviewed until we receive a signed copy.

Requirements of Awardees

Investigators who receive a Botanicals Center Pilot Grant will be expected to present a poster at the Botanicals Center poster session following the one-year anniversary of the award. A progress report which will include grants submissions and manuscript submissions generated from this project will also be required. Awardees should acknowledge sponsorship in publications derived from the pilot grant.

## GUIDELINES FOR PROPOSAL PREPARATION

1. Title page. Title page must include (1) title of the proposal, (2) name, address, phone number of principal investigator and co-investigators, (3) signatures from the principal investigator and department head, and (4) the sum of dollars requested.
2. Abstract. Single-Spaced, not to exceed 250 words.
3. Plan of Research. Limited to five single-spaced pages which should include:
  - a. specific aims
  - b. statement of problem or significance (This section should emphasize relevance to dietary botanical supplements, long term goals, and specify specific extramural program that is a potential source of funding, such as R01, P01, etc.).
  - c. preliminary data (if applicable)
  - d. methodsNote: page limitation does not include the references or any other sections of the proposal.

4. Two page NIH biosketch of each collaborator can be found at-  
<http://grants.nih.gov/grants/funding/2590/2590.htm>

5. Budget and justification. Use the NIH form 398.  
<http://grants.nih.gov/grants/funding/phs398/phs398.html>  
Note desired starting date and any matching funds. Summer faculty salary is capped at \$3,000. (It is not necessary to request indirect costs.)

6. Active and pending research funding. List all current and pending grants using the format shown below:

Name of PI submitting the proposal

Active/Pending (specify)

\_\_\_\_\_

Grant # (PI Name)

\_\_\_\_\_

Funding Period

\_\_\_\_\_

% FTE by Investigator

\_\_\_\_\_

Funding Agency

\_\_\_\_\_

Total Direct Cost for Period

Title: \_\_\_\_\_

Goals of Project (1 or 2 sentences)

NOTE: Applicant should state whether there is scientific and/or budgetary overlap between the present proposal and grants listed above.

7. References (Do not exceed two pages)
8. Additional information to be provided includes status of approval for animal care and use or use of human subjects as appropriate. If animals or humans are to be used in the proposed research, the project must have appropriate approval before funds will be released.

## **Core Contacts and Capacities:**

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### Core A: Statistical Research Core

This core assists with the experimental design and statistical analysis of experimental studies.

**Contact:** George McCabe, 765-494-6047, email [mccabe@stat.purdue.edu](mailto:mccabe@stat.purdue.edu)

### Core B: Botanicals and Outreach Core

The capabilities are to select, authenticate, characterize and store botanicals used in projects and to supervise production of labeled phenolic compounds for research.

**Contact:** Jim Simon, 732-932-9711/355, [jesimon@AESOP.RUTGERS.EDU](mailto:jesimon@AESOP.RUTGERS.EDU)

### Core C: Analytical and Clinical Core

The analytical core offers assistance with sample analysis.

**Contact:** Elsa Janle, 765-494-1566, email [janle@purdue.edu](mailto:janle@purdue.edu)

The PRIME lab is dedicated to research using accelerator mass spectrometry, which is an analytical technique for ultra sensitive measurements of long-lived radio nuclides including  $^{14}\text{C}$  and  $^{41}\text{Ca}$ .

**Contact:** David Elmore, 765-494-6516, email [elmore@purdue.edu](mailto:elmore@purdue.edu).

The behavioral and clinical component provides advice and analytical services to research projects and database of the effects of polyphenolic compounds.

**Contact:** Rick Mattes, 765-494-0662, email [mattes@purdue.edu](mailto:mattes@purdue.edu)

### Core D: In vivo Bioavailability.

This core assists in providing assistance in selection of appropriate physiological models.

**Contact:** David Waters, 765-494 -9271, email [waters@vet.purdue.edu](mailto:waters@vet.purdue.edu)

The core also is a resource for the study of bioavailability, pharmacokinetics and metabolism of botanicals.

**Contacts:** Stephen Barnes, 205-934-7117, email [sbarnes@uab.edu](mailto:sbarnes@uab.edu)  
and Elsa Janle, 765-494-1566, email [janle@purdue.edu](mailto:janle@purdue.edu)