The William H. Davis Endowment for Basic Medical Research and Richard P. and Marie R. Bremer Medical Research Fund
Deadline for Submission: April 1, 2013 at 8 AM

PROGRAM OVERVIEW
A. PURPOSE

The Richard P. and Marie R. Bremer Medical Research Fund and William H. Davis Endowment for Basic Medical Research and The Ohio State University Center for Clinical & Translational Science (CCTS) Pilot Program strive to develop outstanding physician scientists at Ohio State. The funds from these collaborations support preliminary data collection for innovative projects that have high potential of receiving extramural funding. These funds are specifically designed for junior level physician scientists with strong track records in academic medicine as a career. Special consideration is made for research focused toward clinical and translational studies. A clear and robust mentorship plan towards successful extramural funding is required. The CCTS specifically encourages transdisciplinary research, in which investigators from disparate scientific areas collaborate to bring unique approaches to address human health issues.

All recipients must have an M.D. degree with a record for active clinical practice. Candidates should have at least three years of training in research or in a graduate discipline. These grants are not intended to provide additional support for established areas of research or previously funded projects.

The CCTS supports both clinical research and basic research intended to have human applications. In this context, "translational" investigation is broadly defined. It includes laboratory research with potential human applications, "bench to bedside" research in which laboratory findings are studied in the human context, the interaction of small human studies with those in larger populations, and the translation of research into clinical practice and health policy. Examples of “transdisciplinary” research include clinical investigators teaming with basic scientists to launch a bench-to-bedside project, clinical investigators teaming with population researchers to understand how molecular or physiological events are manifested in larger cohorts, or clinician scientists collaborating with outcomes investigators to examine the process of translating research into practice.

B. KEY DATES

| RFA Release | January 21, 2013 |
| Application Deadline | 8:00 AM EST, April 1, 2013 |
| Earliest Award Notification | May 6, 2013 |
| Earliest Funding Start Date | June 17, 2013 |
C. PILOT PROJECT FUNDING DETAILS

Funding
Up to 5 awards are expected in the amount of up to $50,000 in total direct costs over one year.

Eligibility
• Applicants must be physicians credentialed by the OSU Health System.
• Applicants must be considered a principal investigator (tenure track). Eligibility information can be found at the Ohio State Office of Research website and the NIH website.
• Applicants and mentors must become CCTS members by completing a CCTS membership form.

Allowable costs
• Salary and fringe support for students, graduate students, clinical trainees, post-doctoral and clinical fellows is permitted. Salary and fringe support for faculty and administrative personnel are not permitted.
• Supplies, travel, and other expenses, such as research beds, nursing or bionutrition staff, routine laboratory measures, and generation of preliminary data are allowed.
• Travel funds that are needed for study conduct (e.g. participant travel) are allowed if essential. Travel to a scientific conference is not supported.
• Equipment that is essential for the study, and is not otherwise available, may be requested, but large equipment expenditures are discouraged.

D. KEY ELEMENTS OF PROPOSALS FUNDED BY THE PILOT AND COLLABORATIVE STUDIES PROGRAM

• Project must be extramurally fund-worthy
• Addresses an important problem in human clinical and/or translational research or in an area that impacts human health.
• Substantially innovative
• Includes transdisciplinary and/or cross-institutional collaborative research
• Is used as seed money rather than continuing support for ongoing projects

E. CCTS REVIEW CRITERIA

• Is the project substantially innovative (as opposed to descriptive)?
• Does the project have the potential to develop into an extramurally funded NIH level grant?
• Does the investigator have a research profile compatible with extramural funding?
• Is a strong mentorship team and plan described?
• Does the department Chair clearly commit to 25% release time for research?
• Can the project be completed within the one year timeline?

F. CCTS INFRASTRUCTURE SERVICES

Investigators are required to consult with the CCTS biostatistics study design services at least 4 weeks prior to the application deadline by visiting the CCTS website and selecting the quicklink for “Request CCTS Services.”

Pilot investigators are encouraged to take advantage of the many CCTS resources as a way to extend their research capacity. These services include:
• Biomedical Informatics
• Biostatistics services to assist in study design and data analysis.
• Regulatory assistance for IRB submissions including consent documents, HIPAA forms, DSMB and access to a Research Subject Advocate as needed
• Nursing, bionutrition and laboratory services located at Ohio State or NCH Clinical Research Centers
• Study participant recruitment services
• Comparative effectiveness research consultation
• Resource materials for developing community-based studies
• Translational Technologies Cores including:
  o Biomedical Imaging Core
  o Chemical and radiochemical support services for drug discovery
  o Comparative Pathology and Mouse Phenotyping Shared Resource
  o Laser Capture Molecular Core
  o Pharmacoanalytic expertise and instrumentation
  o Veterinary Clinical Trial Office

G. APPLICATION INSTRUCTIONS

The application is an online process. Please click here (or copy and paste this link into your browser: go.osu.edu/DavisBremer2013) The application must be submitted as a single PDF document no later than 8:00 AM EST, April 1, 2013.

Applicant Information
• Cover pages (2 pages max)
  o Project title
  o Applicant name and contact information including title, college, department, email address, phone number, campus address, NIH eRA Commons username, and administrative departmental contact (name, email, phone)
  o Previously received CCTS funding of any type: Yes (description, start date)/No
  o NIH new investigator or early stage investigator
  o Tenure track
  o Primary mentor(s) and co-investigator(s) and their contact information (name, title, role on project, email, phone, college, department, eRA Commons username)
  o Abstract (250 words)
  o Explain clinical privileges (100 words)
  o Full publication list
  o Other support including start-up funds, awards, etc.
• Mentorship plan (500 words); aiming at K-proposal submission within 12 months is recommended
• Research Plan
  • Overall hypothesis (50 words)
  o Innovation (500 words). Explain how the proposed project departs from current paradigm; explain the current state of art and the leap attempted
  o Translational significance (250 words)
  o Specific aims (250 words), preferably no more than 2 aims
  o Summary illustration integrating the aims and illustrating the overall scope, highlight innovation
  o Preliminary data (2 pages), no more than 6 figures accommodated; figures can be multi-panel if addressing a common theme; self-explanatory legends
  o Research plan (2000 words); prefer itemized bullets to improve readability; do not describe materials and methods here unless research plan cannot be described without them; focus on highlighting innovation through summary of referenced background; schematic illustrations desired
  o Materials and methods (750 words); highlight powerful non-routine approaches, summarize routine approaches, address statistical approach
• IRB/IACUC: Human Subjects/Vertebrate Animals (required: yes/no: Regulatory status: pending/approved—include protocol number and approval date; add regulatory approval letter to appendix)

• Literature Cited
• Appendix
  o Applicant NIH Biosketch (eRA user name required)
  o Mentor(s) and team member(s) NIH Biosketch(s)
  o Letters of Support from mentors and department chair - clearly addressing whether applicant has at least 25% protected time to perform research activities
  o Regulatory approval document (if applicable)
  o Itemized Project Budget and Justification (2 pages maximum)
    ▪ Use provided budget worksheet or PHS 398 form page.
    ▪ Describe overlap with submitted or funded applications, and existing funding including start-up

H. FORMAT SPECIFICATIONS. All applications must adhere to the following guidelines:

  1. Font
    a. Use Arial, size 11 point
    b. Type density, including characters and spaces, must be no more than 15 characters per inch.
    c. Type may be no more than six lines per inch.

  2. Page Margins
    a. Use at least one-half inch margins (top, bottom, left, and right) for all pages

  3. Application Paging
    a. The application must be single-spaced.

  4. Figures, Graphs, Diagrams, Charts, Tables, Figure Legends, and Footnotes
    a. You may use a smaller type size but it must be in black ink, readily legible, and follow the font typeface requirement.
    b. Do not include figures or other materials that are not inserted directly into the body of the application.

  5. Documents and file name
    a. A single combined PDF file is required and should be named using the following guideline
       (last_first_DavisBremer_2013).

I. AWARDEE RESPONSIBILITIES

• Upon receipt of your application, the CCTS will send you an email confirmation. Please inquire within 24 hours if you do not receive this email.
• Award acceptance and cost overrun form must be received prior to the release of funds. This form includes a requirement for department chartfield information to accommodate possible overrun of the Davis Bremer account.
• IRB or IACUC approval (if required) must be obtained prior to release of funds. If IRB/IACUC is not in place, regulatory approval must be obtained within 60 days of award start date.
• A 6-month interim progress report is required.
• A final report describing project accomplishments must be submitted within 60 days of the project end date.
• Periodic requests for updates from the CCTS will be made to monitor your career (publication, grants, national presentations and patents).
• The OSU CCTS itself is evaluated by the NIH on its effectiveness in stimulating new research findings and publications. The following support acknowledgement should be included on all publications that result from CCTS support (Pilot grant or other CCTS resources).

“The project described was supported by Award Number Grant 8UL1TR000090-05 from the National Center For Advancing Translational Sciences. The content is solely the responsibility of the authors and does not necessarily represent the official views of the National Center For Advancing Translational Sciences or the National Institutes of Health.”

J. FURTHER INFORMATION
Please direct questions to Matt Inama at matthew.inama@osumc.edu (614-366-5856). This program is directed by Prof. Chandan K. Sen, Director of the CCTS Pilot and Collaborative Studies program.