7th Annual

Charles Pak Family Cancer & Bone Initiative

FUNDING OPPORTUNITY ANNOUNCEMENT

Bone is a frequent site of metastasis in many common solid tumors including breast, kidney, prostate and lung cancers. Multiple myeloma is a common hematologic malignancy that characteristically involves bone as well. Despite considerable progress in recent years, much more remains to be learned regarding the pathogenesis, diagnosis and treatment of cancer metastatic to bone.

The Charles and Jane Pak Center for Mineral Metabolism and Clinical Research (CMMCR), supported by the Dean's Office and Department of Internal Medicine, is pleased to announce the seventh annual funding opportunity available campus wide to UTSW faculty to support innovative pilot research in cancer and bone.

Proposals investigating various aspects of skeletal metastasis are welcomed including those that explore the perivascular niche and metastasis dormancy, osteogenic niche and metastasis outgrowth, dissemination from bone to other organs (e.g. circulating tumor cells), osteomimicry and/or mechanisms of treatment resistance (such as antiestrogens, CDK4/6 inhibitors & immunotherapy). Proposals focused on bone metabolic disease due to cancer or as a consequence of therapy are also encouraged.

Part 1. Overview Information

Funding Opportunity Title
Charles Pak Family Cancer & Bone Initiative (CBI) Research Grant

Announcement Type
Annual

Funding Opportunity Number
CBI-2023-01

Funding Opportunity Purpose
The Cancer & Bone Initiative Grant supports a discrete, specified, circumscribed project in cancer and bone research.

Key Dates

Posted Date	March 30, 2023
Application Due Date	June 1, 2023, by 5:00 PM CST
Earliest Start Date	July 1, 2023
Expiration Date	December 31, 2024

Part 2. Award Information

Application Types Allowed
New

Funds Available and Anticipated Number of Awards
One $125,000 grant will be awarded. Another grant of up to $75,000 will be funded depending on response and merit.

Award Budget
The budget will be limited to direct costs. Indirect, travel and CME costs will not be allowed. Equipment costs will be allowed, but must be well-justified showing support of the mission of CBI.

Award Project Period
The maximum project period covered by each year's funding will be 18 months.

Eligible Applicants (Principal Investigator)
Any individual(s) on UTSW faculty with the skills, knowledge, and resources necessary to carry out the proposed research as the Principal Investigator(s) is invited to develop an application. Co-investigators are allowed. Priority will be given to first-time applicants.

Number of Applications
One application will be allowed per investigator. Duplicate or highly overlapping applications will not be reviewed at the same time.

Part 3. Application and Submission Information

Cover Page
- One page; complete all fields in application packet.

Research Plan
- Two pages, plus one page of references.
- Describe how the mission of the program would be served.
- Font must be 11 points or larger (Arial, Georgia or Helvetica). Smaller text in figures, graphs, diagrams and charts is acceptable as long as it is legible.
- Use the standard letter paper size with one-half inch margins.

Detailed Budget
- Complete detailed budget in application packet.
- Indirect, travel and CME costs are not allowed. Equipment costs may be allowed, but must be well-justified in support of the mission of CBI.

Senior/Key Person Biosketches
- Two to three pages per investigator allowed.
- Must follow the most recent NIH biosketch format.

Submission Date
Applicants should submit applications in a single file, pdf format before the due date to allow time for minor corrections.

Applicants should submit proposals to CMMCR Administration (CMMCR@UTSouthwestern.edu). If a Changed/Corrected application is submitted after the deadline, the application will be considered late and may not be reviewed.

Other Funding
Other sources of funding (requested, pending or funded) should be stated. Duplicate funding will not be allowed.

Part 4. Application Review Information

Review and Selection Process
All applications will be reviewed initially by the CBI Advisory Committee. The final decision on funding will be made by an internal Executive Committee.

Significance
The project must deal with pathogenesis, diagnosis or management of cancer metastatic to bone. Does the project address an important problem or a critical barrier to progress in the field? Is there a strong scientific premise for the project? How will successful completion of the aims change the concepts, methods, technologies, treatments, services, or preventative interventions that drive this field? How might this pilot research funding impact acquisition of other sources of support?

Investigator(s)
Investigator(s) must be faculty member(s) of any department or division at UTSW. For non-CMMCR applicant(s), collaboration with CMMCR is encouraged but not essential. Are the PI(s), collaborators, and other researchers well suited to the project? Do they have appropriate experience and training? Do the investigators have complementary and integrated expertise?

Innovation
Does the application challenge and seek to shift current research or clinical practice paradigms by utilizing novel theoretical concepts, approaches or methodologies, instrumentation, or interventions? Are the concepts, approaches or methodologies, instrumentation, or interventions novel to one field of research or novel in a broad sense?

Approach
The approach may be basic, clinical, or both. Are the overall strategy, methodology, and analyses well-reasoned and appropriate to accomplish the specific aims of the project? Are potential problems, alternative strategies, and benchmarks for success presented?

Budget and Period of Support
Is the budget fully justified and reasonable in relation to the proposed research?

Part 5. Award Administration Information

Award Notices
If the application is under consideration for funding and involves a component requiring committee approval (IRB, IACUC, AIRC), CBI will request updated review information from the applicant.

A formal notification will be provided to the applicant(s) with successful applications.

Reporting
Awardees will be required to submit an annual research performance and progress report.

A final progress report is required for closeout of an award.

Application and Financial/Grants Management Contact
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