

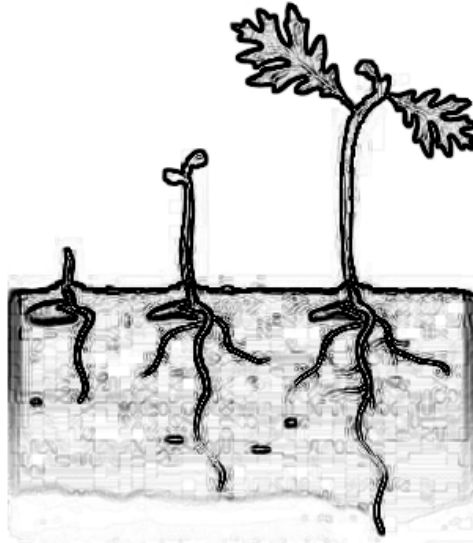
Department of Diagnostic Imaging
Division of Imaging Research
Alpert Medical School of Brown University
Rhode Island Medical Imaging



RHODE ISLAND
MEDICAL IMAGING

RESEARCH SEED GRANT

Application Form



This application form has been modified from the Seed Grant Application of the RSNA Research and Education Foundation.
Revision date: **9 January 2008** (Glenn A. Tung, MD, FACR)

**Brown Medical School
Department of Diagnostic Imaging
Research Seed Grant**

PURPOSE To assist investigators the Department of Diagnostic Imaging (DDI) in defining objectives and testing hypotheses before they apply for major grants from government agencies, foundations, or corporations.

AMOUNT One-year grant of \$15,000 or less to support a specific research project. No salary support will be provided.

ELIGIBILITY REQUIREMENTS

- Applicants must hold a faculty appointment in the Brown Department of Diagnostic Imaging at the time the award commences.

OTHER PROVISIONS

- The deadline for applications is **May 1st** of each year.
- Any area of radiology-related research is eligible including basic, clinical, developmental and health care planning, delivery and evaluation.
- Funding is for new pilot projects, not to support portions of large, previously funded work.
- An interim report is due six months from the start of the research project. A final report is due within 60 days after completion of the research project.
- The award will begin on July 15th with a single payment.

- **Deadline for Application**

Applications must be received by **Thursday, MAY first, 2008** (award to start July first). *Applications received after that date will not be considered.*

- **Purpose**

This Seed Grant is designed to enable investigators in the DDI to gain experience in defining objectives and testing hypotheses in preparation for major grant applications to governmental agencies, foundations, or corporations. Any area of radiology-related research is acceptable.

Research Seed Grants are intended to support the preliminary or pilot phase of scientific projects with budgets of \$15,000 or less, not to supplement major funding already secured. No salary support will be provided. The data from these projects will indicate feasibility and appropriateness of the research prior to applying for funds from other agencies.

- **Eligibility**

Research Seed Grants are restricted to faculty members in the BDDI who require support while they begin the initial phases of a research project. Applicants may not submit more than one research grant application per year.

- **Nature of Projects**

Any area of research related to radiology is eligible for BDDI Seed Grant support including, but not limited to:

1. Basic and clinical research in the radiological sciences;
2. Projects in which innovative techniques, new methods, or special equipment leading to better patient care are developed;
3. Aspects of health care planning and delivery, including outcome evaluation studies;
4. Development of programs in health education relevant to the radiological sciences.

- **Method of Application/Format**

All materials must be prepared in English, single spaced with normal spacing between letters and words, using a font style (size 10-12) that is easy

to read such as Arial or Times New Roman. Applicants must observe all page limitations. All pages must be numbered consecutively at the lower right-hand corner of each page. The applicant's last name must appear at the upper right-hand corner of each page.

Completed applications should be sent by email attachment to Dr. Glenn Tung (GTung@Lifespan.org).

- **Selection Criteria/Review Process**

A study section consisting of three senior faculty members in the DDI ("Grant Study Committee") will review the application for scientific merit and appropriateness for funding. Depending on the nature of the proposal, one or more of the following guidelines may be applied in the review process:

1. Does the proposal have relevance to national health problems?
2. Is the protocol based on good scientific reasoning?
3. Is the scientific methodology of the proposal appropriate?
4. What effect might this research have on the existing state of knowledge in:
 - Diagnosis and/or treatment of disease?
 - Morbidity and/or mortality?
 - Utilization of resources for patient care?
 - Education of physicians, scientists and the public?
5. Does the proposal represent expansion of existing work or is it a new study?

Applicants will be notified of the outcome of their applications no later than **June 30th**.

- **Payment Schedule**

Research Seed Grant awards will be made to a research account of the awarded principal investigator in a single payment on July 15th.

- **NOTES TO APPLICANTS**

A. Applications must contain:

1. A clear statement of the study's aim(s);
2. Statements of study methods, data collection and data analysis;

Policies and Procedures

3. Significance of the study and how the results may lead to major funding;
4. Identification of Principal Investigator/Applicant;
5. Identification of other staff;
6. A realistic estimate of the duration of the study;
7. A budget including:
 - a. Salary support (with benefits) if laboratory or other assistants will be paid by this grant.
Note: The Research Seed Grant does not cover salary support for the grant recipient or co-principal investigators;
 - b. Equipment purchase and/or rental;
 - c. Supplies;
 - d. Animal purchase and animal housing (if applicable);
 - e. Other (specify).

B. Progress Reports

Research Seed Grant recipients must submit an interim report six months after the start of the project. A final report must be submitted within 60 days after completion of the project. Reports are distributed to the Grant Study Committee to determine the effectiveness and success of the seed grant program.

Interim and final reports must not to exceed one page. Complete reports must address each of the items listed below:

Interim Report:

1. Restate the specific aims/goals of your research plan and show the results of your work toward each aim/goal. **Include all supporting data.**
2. Indicate any deviations you have made from the original research plan and justify these changes.

3. Indicate the expenditures you have made to date and how they relate to the project.
4. Indicate any problems or delays that you have encountered; for example, problems in obtaining protected time to do research, slow patient accrual in the study, etc.

Final Report:

1. Restate the specific aims/goals of your research plan and show the results of your work toward each aim/goal. **Include all supporting data.**
2. Indicate any deviations you have made from the original research plan and justify these changes. If you did not reach one or more of your initial goals, explain why.
3. Indicate the expenditures you have made to date and how they relate to the project.
4. Indicate any problems or delays that you have encountered; for example, problems in obtaining protected time to do research, slow patient accrual in the study, etc.
5. Indicate if the results from your studies are being prepared for publication or will be prepared for publication within the next six months.
6. Indicate if the results from your studies will be used as preliminary data in a grant application to another granting agency.
7. Indicate the clinical significance and future clinical impact of the results of your study.
8. In lieu of Final Report items 1,2,4,5,6, and 7, a completed manuscript draft may be submitted.

D. Modification or Termination of Support

The Grant Study Committee reserves the right to modify or terminate the amount of any funds granted.

**Brown Department of Diagnostic Imaging
Research Seed Grant**

Applicant:

Title of Research Project:

Use this page for the first page of the application. Pages should be numbered at the bottom right-hand corner of each page throughout the application. Type the last name of the principal investigator (Applicant) in the header at the top of each section.

Section I: Summary of Proposed Research Plan

Section II: Research Plan

Section III: Budget

Section IV: Research Assurances

Applicant Signature

Section I. Summary of Proposed Research Plan

Applicant:

Section I: SUMMARY OF PROPOSED RESEARCH PLAN

This page should serve as a succinct and accurate description of the proposed research plan. The summary should include the long-term goals of the proposed work and the methods to be used. Data collection and analysis should be summarized along with the potential significance of this work in the radiologic sciences. ***Do not exceed one page.***

A. Title: self-explanatory. **B. Abstract of Proposed Research Plan:** self-explanatory.

A. Title:

B. Abstract of Proposed Research Plan:

Section II: Research Plan

Applicant:

SECTION II: RESEARCH PLAN

A. Detailed Research Plan. Provide a concise description of the current state of knowledge relating to your research proposal, including any relevant work done by you or co-investigators. Provide details of the experimental design, methods to be used, data collection and analysis, and significance of the project. The research plan should be thorough but focused and *as brief as possible*. **Do not exceed two pages.** If necessary, additional pages may be included for the bibliography.

B. Major Equipment: List the most important items available for this project, noting the location and pertinent capabilities of each.

A. Detailed Research Plan:

B. Major Equipment:

Section III: Budget

Applicant:

SECTION III: BUDGET

A. **Detailed Budget.** Provide a budget for the proposed research project, including, where applicable, information on equipment that will be purchased or rented, supplies and materials, other (including salary support and benefits if a laboratory or other assistant will be paid by this grant). All direct costs and equipment costs should be included.

B. **Other Sources of Support:** List all other sources of support applied for or received for the research project.

A. **Detailed Budget:**

- **Total Project Budget:** \$
- **Amount Requested:** \$

B. **Other Sources of Support (pending and received):**

Section IV: Research Assurance

Applicant:

SECTION IV: RESEARCH ASSURANCES

Research Assurances: Documentation of approval for the following items, where applicable, must be included with the application. If prior approval from the LifeSpan Institutional Review Board (IRB) or other review committee(s) has *not* been obtained by the date of submission of the proposal, provide evidence that the proposal has been submitted for review.

Human Subjects: If human subjects will be used in the proposed research project, provide documentation of IRB approval for use of human subjects.

Vertebrate Animals: If vertebrate animals will be used in the proposed research project, provide documentation of approval by the Animal Use Committee or equivalent. Animals must be used in compliance with the Guide for the Care and Use of Laboratory Animals or similar guidelines.

Ionizing Radiation/Radioactive Isotopes: If ionizing radiation or radioactive isotopes will be used in these studies, include documentation of approval from the Radiation Safety Committee or equivalent.

Other Assurances: Include documentation of other required assurances to the use of bio-hazardous materials.

Indicate assurances required by this project and the current status of each (*applied for, approved, not applicable, etc*).

Human Subjects:

Vertebrate Animals:

Ionizing Radiation/Radioactive Isotopes:

Other:

Signature

Principal Investigator/Applicant:

*I affirm that the information submitted in this application is accurate and true. If awarded a Brown Department of Diagnostic Imaging Seed Grant, I agree to abide by the terms and conditions as stated in the Policies and Procedures section of this application form. **I will meet the interim/final report requirements.***

Principal Investigator/Applicant

Date