

INTERNATIONAL OSTEOPETROSIS ASSOCIATION

Request for Research Proposals

Trainee Award

The International Osteopetrosis Association (IOA) invites applications from young investigators for one- and two-year grants of up to \$25,000 per year for basic or clinical research related to osteopetrosis, with special emphasis on the autosomal dominant form of the disease. Grants for one year are potentially extendable to a total of two years. Applicants may be candidates for doctoral degrees or postdoctoral fellows in earlier stages of training. In all cases, the trainee is understood to be under the supervision of an experienced, senior investigator.

Schedule

Application Receipt Deadline:	May 15, 2008
Announcement of Awards:	October 1, 2008
Funding Available:	January 1, 2009

Please direct all questions and correspondence to:

Ashley Gettinger, Executive Director
International Osteopetrosis Association (IOA)
35 East Main Street, Suite 300
Carmel, IN 46032

Tel: 317-843-9183

Fax: 317-843-9186

Email: ashley@intosteopetrosisassn.org

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PROCEDURE FOR SUBMISSION, REVIEW AND AWARDED OF RESEARCH GRANTS

A. INTRODUCTION

The International Osteopetrosis Association (IOA) awards funds to support research related to osteopetrosis, with special emphasis on the autosomal dominant form of the disease. The goal of this research program is to advance the understanding of this disorder and its treatment, and eventually to find a cure. The IOA recognizes that advances in treatment of osteopetrosis can arise from either basic or clinical research. For research to be funded by the IOA there must be a clear conceptual pathway between the proposed research and improved treatment of the disease. This award is intended to stimulate research in osteopetrosis and to increase the number of investigators with expertise and interest in this disorder by providing funding for relatively junior investigators at a stage in their careers when other sources of funding are less accessible.

B. TYPES OF PROPOSALS SOLICITED

The IOA is currently accepting proposals for basic and clinical research related to osteopetrosis, with special emphasis on the autosomal dominant form of the disease.

C. BUDGET

Budgets for up to, but not exceeding, \$25,000 per year are acceptable for granting periods of one to two years. In the case of projects initially approved for just one year, renewal requests will be considered, but in no case will the total period of funding exceed two years per grant.

D. QUALIFICATIONS OF THE TRAINEE

The trainee must be an enrolled candidate for a doctoral degree in basic or clinical science or a postdoctoral fellow in earlier stages of training, who is under the supervision of an experienced, senior investigator.

E. QUALIFICATIONS OF THE SUPERVISING INVESTIGATOR

The supervising investigator must have earned an M.D., Ph.D. or related doctoral degree. The supervising investigator must have proven ability to pursue independent research as evidenced by original research publications in peer-reviewed journals.

F. REVIEW PROCESS

A committee consisting of individuals skilled in clinical and basic science research with particular emphasis on osteopetrosis will review each application. Each proposal will receive a priority score based on the evaluation of the committee. Proposals and their

priority scores will be forwarded to the board and officers of the International Osteopetrosis Association (IOA), where award decisions will be made based on relative scientific merit rankings of the submitted grant applications, and on priorities of the IOA. All applications will be held in the strictest confidence and all decisions by the IOA are final.

All applicants will receive copies of reviewers' comments. Unsuccessful applicants may reapply the following year after they have addressed the comments of the reviewers.

G. TERMS OF THE AWARD

1. Duration. One-year funding begins on January 1 and ends on December 31 of the same year. Two-year funding periods begin on January 1 and ends on December 31 of the succeeding year. Requests for changes in funding dates will be considered.

2. Changes in Status of Trainee or Supervising Investigator. If either the trainee or the supervising investigator changes affiliations, the award will follow only after approval of new arrangements from the IOA. If the trainee ceases research in the field for which the award was made, the award will terminate and the remaining balance will be returned to the IOA.

3. Site of Project. Awards are for studies at international public or private universities, colleges, hospitals and biomedical research institutions. The investigators will make all arrangements for conduct of the proposed research projects.

4. Budget. Budgets for up to, but not exceeding, \$25,000 for one year or \$50,000 for two years are acceptable. Payments will be made to the supervising investigator's institution, which will be responsible for administering the funds. Salaries for support personnel engaged in the project may be requested. Travel to one scientific meeting per year and service contracts may also be included. Payments for tuition fees, journal subscriptions, dues or memberships, or salaries for secretaries are not eligible for funding. Up to 20% of the grant may be allocated for indirect expenses, such as building maintenance, office furniture and utility bills. Funds will be distributed annually on January 1. Any unexpended funds shall be returned to the IOA upon completion of the granting period unless extension is approved by the IOA.

5. Indemnification of the IOA. The investigators and their affiliated institution (AI) will be obligated to indemnify the IOA from any and all liability that may arise from the PI's or AI's conduct and the IOA's affiliation therewith due to the grant relationship.

6. Institutional Support. The supervising investigator assumes responsibility for conducting research projects and supervising the work of the trainee and co-investigators.

7. Use of Animals and Humans in Biomedical Research. All applicants must certify that the research facility, its researchers and employees adhere to the Animal Welfare Act, National Research Council Guide for the Care and Use of Laboratory

Animals, and any appropriate U.S. Department of Agriculture or National Institutes of Health Regulations and Standards or similar country standards. The institutional review board (IRB) or its equivalent must approve research involving animal and human subjects and a copy of the approval or pending approval must be sent with this application. Copies of annual renewal of IRB must be forwarded to the IOA. IRB approval must be documented prior to dispensation of IOA funds.

8. Publications. All discoveries resulting from work supported in part by the IOA should be made available to the public and scientific community through approved scientific channels such as national meetings and peer-reviewed publications. Publications will acknowledge the support of the IOA. PDF files of each publication must be forwarded to the IOA.

9. Publicity. The IOA shall be permitted to use the investigators' names, images and likenesses, as well as the name of the Affiliated Institution, in connection with all statements, printed materials or electronic media related to the Grant Award or related to the IOA's research program. At the IOA's request, the investigators will provide the IOA with appropriate photographs and biographical information to be used in connection with this grant.

10. Progress and Financial Reports. Awardees of one-year grants will be required to submit a brief progress report due August 1, as well as at 3 months after the end of the granting period. Financial reports will also be required at these times. For two-year grants, progress and financial reports will also need to be submitted on August 1 of the succeeding year. An additional and final questionnaire will be forwarded to the grant recipient 12 months after the completion of the grant to describe any publications and subsequent funding received based on research performed using the IOA's funds. Consideration for future funding will depend upon completion of these progress reports.

H. SUBMISSION OF APPLICATION

Paper and electronic submissions are acceptable. However, the signature form should be mailed or faxed. Use the following contact information:

Beth Miller, President & Executive Director
International Osteopetrosis Association (IOA)
35 East Main Street, Suite 300
Carmel, IN 46032

Tel: 317-843-9183

Fax: 317-843-9186

Email: ashley@intosteopetrosisassn.org

I. DETAILS OF PROPOSAL

The enclosed forms should be used for the application. Number the pages consecutively at the bottom throughout the application. Type the application, single-spaced, with one-inch margins, using, at minimum, a 12-point font. Please submit four paper copies of the completed application and appendices, including figures, photomicrographs, videotapes, etc. Alternatively, send a single electronic application via a Word or PDF file, but arrange to mail or fax the signature form. Appendices should not be used to subvert the page limitations of the grant proposal. Please present details in the following order, according to the following instructions:

- 1. Title Page (Application form provided - 1 page)**
- 2. Table of Contents (Application form provided - 1 page)**
- 3. Project Abstract and Lay Person Summary (1 page each)**

On a single separate page, describe precisely and clearly the nature, objective, methods of procedure and significance of the proposed research project and how it relates to the goal of providing a better understanding of osteopetrosis or its treatment (limit 300 words).

Rewrite the abstract in terms suitable for presentation to lay persons (limit 500 words).

4. Research Plan (about 3-5 pages):

- a. Include hypotheses, specific aims and goals, research methods to be used, scope of the proposed research project, significance and long-range implications of the research and reasons for undertaking it
- b. Please comment on the importance of IOA funding:
 1. Will this funding allow you to pursue studies that would otherwise not be performed? Is funding meant to supplement other sources of support?
 2. Do you anticipate that this funding will increase your competitiveness for other funding sources?
- c. Please comment on the significance of the work that you propose:
 1. Is it similar to or a direct extension of work that has been or is being performed elsewhere?
 2. Does the work complement studies that are being performed elsewhere?
 3. How novel are the studies that you describe?

5. Budget

List the full budget with amount requested from the IOA. If the budget exceeds IOA amount, list additional sources of funding. Include: names, titles, time/percentage effort of all participants, requested salaries and fringe benefits and total amount required.

6. Other Related Support (about 2 pages)

List other support received by trainee, supervising investigator and co-investigators for any projects that have scientific or budgetary overlap with the present proposal. In a paragraph describe current or pending grants that have scientific or budgetary overlap with the present proposal.

7. Resumés and Bibliographies

Provide resumés and bibliographies for the trainee, supervising investigator, co-investigators and other key personnel.

8. Facilities Description (1 page)

Describe the research facilities (laboratory space, clinical space and population, etc.) available for the project.

9. Appendix

- a. literature cited
- b. human subjects experimental approval, if applicable
- c. vertebrate animal experimental approval, if applicable
- d. letters of support
- e. description of proposed supervisory or mentoring relationship and indication whether the proposed supervisor/mentor has agreed to this relationship

INTERNATIONAL OSTEOPETROSIS ASSOCIATION
Trainee Research Grant Application
200x

Trainee, Degree: Supervising Investigator, Degree: Position: Division: Address: Phone #: Fax #: Email:	
Institution Name: Address: Phone #: Fax #: Email:	
Title of Proposed Project:	
Amount of Funding Requested:	
Dates of Proposed Project Period:	
Site of Project:	
Trainee Signature and Date: Supervising Investigator Signature and Date:	
Name and Address of Department Receiving Funds:	
Financial Officer Name: Phone #; Fax #: Email: Financial Officer Signature & Date:	

PI - _____

INTERNATIONAL OSTEOPETROSIS ASSOCIATION
Trainee Research Grant Application

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_____ Literature Cited

_____ Animal and Human Subject Approvals

_____ Letters of Support