

# **Foundation for Ichthyosis & Related Skin Types**

## **Research Grant Application Packet**

### Contents:

- Research Priorities
- Guidelines for Submission of Proposals
- Proposal Application Forms (see list of forms in Table of Contents, page 2)
- Terms and Conditions of Awards

### Schedule for Applications:

- Letter of Intent deadline for FY 2009 is February 18, 2009.
- The application deadline for FY 2009 is March 30, 2009.
- 2009 award announcements will be made on June 30, 2009.
- Funds available September 1, 2009.

Please download the application packet in Word or PDF format. Complete the application and return to the Foundation by email to [info@scalyskin.org](mailto:info@scalyskin.org). Please include any relevant attachments.

Electronic submissions are preferred. All forms are text interactive.

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# Foundation for Ichthyosis & Related Skin Types

## Research Grant Application Packet

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# **Foundation for Ichthyosis & Related Skin Types Research Grant Program**

## **Introduction**

The Foundation for Ichthyosis & Related Skin Types is launching year four of its research grant program to encourage and support investigation into the causes, treatments, and potential cures for ichthyosis.

Surveys of the ichthyosis community, specifically individuals affected with ichthyosis and their families, have indicated that research is their primary area of interest and their top priority for funds donated to the Foundation. In response to this, the Foundation has initiated an expanded program to promote promising avenues of research by investigators who have a new or established interest in ichthyosis.

The genetic basis of most types of ichthyoses is now known. Recent advances in knowledge about epidermal structure, function, and physiology have provided insights into the pathogenesis of several of the ichthyoses. A variety of new approaches to molecularly targeted therapy for genetic disease have been developed by the scientific community. The Foundation and its stakeholders are determined to promote the use of this knowledge and to encourage its translation into more effective therapies.

## **Foundation for Ichthyosis & Related Skin Types Research Grant Program**

The Foundation is particularly interested in supporting new initiatives that will lead to ongoing, self-supporting programs in ichthyosis research. It will also support shorter studies that will provide definitive information within 1 to 2 years. A few generous donors have requested that their contributions be focused on research in Lamellar Ichthyosis/Congenital Ichthyosiform Erythroderma or Epidermolytic Hyperkeratosis. The Medical and Scientific Advisory Board of F.I.R.S.T. believe that research progress in those two diseases will benefit all forms of ichthyosis. Three types of projects will be considered:

Ichthyosis Research Grants Projects focused on the improved understanding of the molecular pathogenesis of ichthyosis and novel approaches to the management and treatment of ichthyosis will be considered. Grants may range from \$25,000 to \$50,000 and may be renewed for a total of two years, depending on progress and availability of funds.

Epidermolytic Hyperkeratosis Research Grants Detailed investigations into Epidermolytic Hyperkeratosis will be considered. Grants may be funded up to \$75,000 per year and may be renewable up to a total of three years, depending on progress and availability of funds.

Lamellar Ichthyosis/ CIE Research Grants Detailed investigations into Lamellar Ichthyosis / Congenital Ichthyosiform Erythroderma will be considered. Grants may be funded up to \$75,000 per year and may be renewable up to a total of three years, depending on progress and availability of funds.

### **Research Priorities**

1. Original investigations leading to the improved understanding of the molecular pathogenesis of the various ichthyoses, particularly Lamellar Ichthyosis / Congenital Ichthyosiform Erythroderma (CIE), and Epidermolytic Hyperkeratosis.
2. Novel approaches to management and treatment of the various ichthyoses, particularly Lamellar Ichthyosis / CIE, and Epidermolytic Hyperkeratosis. High priority will be given to proposals that focus on the translation of known genetic information and established pathogenic pathways into curative therapies or novel therapies with significant impact.
3. Investigations that address the treatment and prevention of secondary complications or quality of life issues for patients with disorders of keratinization.

Research priorities are set jointly and reviewed annually by the Foundation's Board of Directors and the Medical and Scientific Advisory Board.

# Foundation for Ichthyosis & Related Skin Types Research Grant Program

## Guidelines for Submission of Proposals

1. A Letter of Intent containing an abstract of the proposal should be received by February 18, 2009.
2. Grant proposals must be received in the Foundation office by March 30, 2009
3. Electronic submissions are preferred. **Please use a minimum of 11 point Arial.**
4. Ichthyosis Research Grants are funded for one year, with the possibility of a one- year renewal, depending on satisfactory progress and availability of funds. Lamellar Ichthyosis/CIE and Epidermolytic Hyperkeratosis Grants are funded for up to a total of 3 years, pursuant to acceptable progress reports after one year and availability of funds.
5. The narrative portion of the application may not exceed **5** pages.
6. Proposals must include
  - a. A starting date for the project and a proposed ending date. Use the appropriate space on the form entitled *Proposal Application Form*.
  - b. A summary of the proposed project. Use the attached form - *Project Abstract*. Please use lay language to the extent possible.
  - c. A detailed budget. Use the form entitled *Detailed Budget for Initial Budget Period*. Ichthyosis Research Grant budgets for up to, but not exceeding, \$25,000 to \$50,000 for one year are acceptable. Ichthyosis Research Grant budgets should detail a 1-year budget for up to \$50,000 and a total 2-year budget if the project will require two years to complete. EHK or Lamellar/CIE Research Grants budgets should detail a one-year budget for up to \$75,000, a total 2-year budget and a total 3-year budget. The budget is not to include funding for equipment greater than \$2,000. Payments will be made to the financial officer of the principal investigator's institution, who will be responsible for administering the funds. Any unexpended funds shall be returned to the Foundation upon completion of the funding period, unless an extension is approved by the Foundation. The Foundation does not fund indirect costs.
  - d. Complete biographical information on the principal investigator, co-investigators, and any other significant personnel. Please use the form entitled *Biographical Sketch*.
  - e. A statement, detailing other grant support available to your lab, including pending applications. Please use the form entitled *Other Support*.
  - f. A detailed description of your research plan including hypothesis or hypotheses, proposed methodologies, expected results, and strengths and potential pitfalls of the project. Please consult page 13 for a suggested format.
  - g. A description of the facilities available, including a Letter of Commitment to collaborate from your institution or department head.
  - h. Letters of Commitment to collaborate from other research institutions or facilities that will participate in the project.
  - i. An explanation of how the project could be sustained, if appropriate, after the period for which support has been requested.

# Foundation for Ichthyosis & Related Skin Types Research Grant Program

## Project Application

*Investigator:*

<b>Project Title:</b>	
<b>Date of Application:</b>	
Principal Investigator: Degree: Position: Address:  Phone Number: Fax: Email:	
Sponsoring Institution / Department  Grants Contract Administrator, Name:  Address:  Phone: Fax:	
Endorsing Chairman of the Department: Chairman's Phone Number:	<i>Signature:</i>
Name of Grant Applying for: Please check one.	<input type="checkbox"/> Ichthyosis Research Grant <input type="checkbox"/> Lamellar Ichthyosis/CIE Research Grant <input type="checkbox"/> Epidermolytic Hyperkeratosis Research Grant
Total Funds Requested:	
Dates of Proposed Project Period:	
Site of Project:	
Principal Investigator Signature:	

- Animal use
- Human subject use

**Please send a hard copy of the Project Application with accompanying signature to the Foundation.**

# Foundation for Ichthyosis & Related Skin Types Research Grant Program

## Project Abstract

*Investigator:*

Project Title:	Please do not exceed this page length. Use lay language to the extent possible.
Abstract:	<p><i>Objective:</i></p>          <p><i>Methods:</i></p>          <p><i>Relevance to the mission of the Foundation for Ichthyosis &amp; Related Skin Types:</i></p>

# Foundation for Ichthyosis & Related Skin Types Research Grant Program

## Project Budget

### List Direct Costs Only

Investigator:

Project Title:			
Detailed Project Budget	From:	Through:	Type of Grant:

Personnel (Applicant organization only):	Dollar amount requested:
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Name	Title/Position	% Effort	Salary	Fringe Benefits	Totals
	Principal Investigator				

Subtotals:			
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Supplies (please itemize):	
Other:	
Total Request:	\$

# Foundation for Ichthyosis & Related Skin Types Research Grant Program

## Biographical Sketch

Please provide the following information for the key personnel and other significant contributors in alphabetical order following the principal investigator. Follow this format for each person. Do not exceed 2 pages.

Investigator:

Project Title:	
Name	Position / Title

Education/Training (begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training).

Institution and Location	Degree	Year(s)	Field of Study

**Positions:** List in chronological order, concluding with present position.

**Honors:**

**Relevant, recent publications (in chronological order):**

**Relevant, recent publications cont.**

**Foundation for Ichthyosis & Related Skin Types**  
**Research Grant Program**  
**Other Support**

Please document projects completed in last three years and all active support for all key personnel. *Other Support* includes all financial resources available in direct support of an individual's research projects, including, but not limited to, research grants, cooperative agreements, contracts, and/or institutional awards, Federal, non-Federal, commercial or institutional.

Please use the format indicated below, using additional pages as necessary.

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Title of Project:

Dates of Project:

Principal Investigator:

Applicant's role on project:

Annual Direct Costs:

Applicant's Percent effort:

The major goals of this project:

(Please indicate overlap for each individual):

# Foundation for Ichthyosis & Related Skin Types Research Grant Program

## Research Plan

### Suggested Format:

Project Title:

Principal Investigator:

- I. Hypothesis:
- II. Goals and Objectives:
- III. Significance: *How is this project relevant to advancing an understanding of or treatment for ichthyosis?*
- IV. Background / Preliminary Data
- V. Experimental Design/Methods:
- VI. Potential Pitfalls/Alternatives:
- VII. References:

*Please do not exceed 5 pages, exclusive of references.*

# Foundation for Ichthyosis & Related Skin Types Research Grant Program

## Resources/Facilities Description

Specify the facilities to be used for the proposed project. Indicate the performance sites, capacities, pertinent capabilities, and relative proximity to and availability to the project. Under "Other," identify relevant support services and indicate the extent to which they will be available to the project.

### Resources

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Laboratory:

Clinical:

Animal:

Computer:

Office:

Other:

### Major Equipment

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List the most important equipment items readily available for this project, noting the relevant capabilities and location of each:

# **Foundation for Ichthyosis & Related Skin Types Research Grant Program**

## **Terms and Conditions of Awards**

1. **Duration:** Ichthyosis Research Grants are funded for one year, funds available September 1, 2009, with the possibility of a one-year renewal depending on satisfactory progress. Lamellar Ichthyosis/CIE and Epidermolytic Hyperkeratosis grants are funded for up to a total of 3 years, pursuant to acceptable progress reports after each year. Funding for Lamellar Ichthyosis/CIE and Epidermolytic Hyperkeratosis grants begins September 1, 2009.
2. **Changes of Status of Principal Investigator:** If the named principal investigator changes affiliations, the award will follow only after approval of the transfer from the Foundation. If the named principal investigator ceases work on the project for which the award was made, the award will terminate and the remaining balance will be returned to the Foundation.
3. **Site of Project:** Awards are for study at public or private universities, colleges, hospitals, and biomedical research institutions. The principal investigator will make all arrangements for the conduct of the proposed project.
4. **Publications:** All discoveries resulting from work supported by the Foundation for Ichthyosis and Related Skin Types should be made available to the public and the scientific community through peer reviewed publications and national meetings. Publications and presentations must acknowledge the support of the Foundation. One reprint of each publication must be forwarded to the Foundation.
5. **Publicity:** The Foundation for Ichthyosis & Related Skin Types shall be permitted to use the principal investigator's name, image and likeness, 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 Foundation's research program. The principal investigator will provide appropriate photographs and biographical information at the Foundation's request.
6. **Realistic Goals:** Prior to making awards, applicant will be asked to provide a timetable with realistic goals for every 6 months of support. Such information will form the basis of progress reports, which will be important in determining future years of support.
7. **Progress and Financial Reports:** All grantees will be required to submit a brief technical progress report and a financial report at 6 months and 11 months after the start of the project, and final report 30 days after the end of the granting period.
8. The Foundation expects that all investigators supported by the Research Grant Program will cooperate to the maximum feasible extent with other scientists who are studying ichthyosis, including sharing notice of any patent applications related to Foundation-funded research.

# **Foundation for Ichthyosis & Related Skin Types Research Grant Program**

## **Application Checklist**

- Project Application
- Project Abstract
- Project Budget
- Biographical Sketches
- Other Support
- Research Plan
- Facilities Description
- Letters of Commitment
- Institutional certification of adherence to standards for use of animals or humans in biomedical research