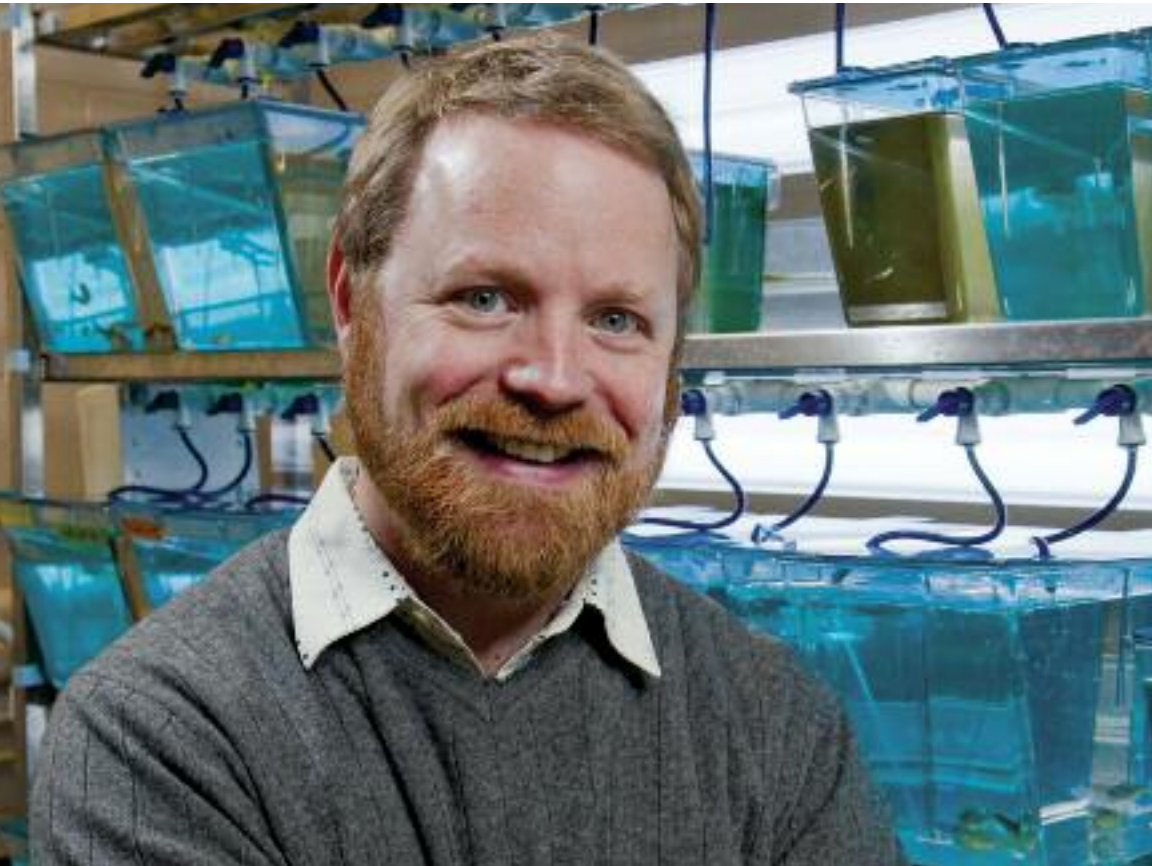


*2011 Awards in*

# INFORMATICS

application deadline: September 2010



“A Sabbatical Fellowship from the PhRMA Foundation allowed me to develop expertise needed to take my research program in an entirely new direction. The interdisciplinary research conducted with my collaborator has benefited both of our labs and led to lasting, substantive scientific contributions.”

Michael Thomas, Ph.D.

# Area of Interest

## Informatics

The goal of the Informatics Program is to promote the use and development of informatics in an integrative approach towards the understanding of human biological and disease processes. Informatics awards will support career development of scientists engaged in research that significantly integrates cutting-edge information technology with advanced biological, chemical, and pharmacological sciences in such areas as:

### Genetics

- Molecular
- Medical (human)
- Pharmaco
- Population

### Genomics

- Functional
- Structural
- Toxico
- Pharmaco
- Comparative

### Proteomics

### Systems Biology

- Pathways and networks
- Integrative biology
- Modeling and simulation

### Molecular Epidemiology

Preference will be given to those individuals whose research combines novel computational methods together with experimental validation. Emphasis will be placed on the development of new informatics technologies that facilitate the translation of data into an elucidation and understanding of human biological and disease processes. In order for the applications to be considered, proposals must contain innovative informatics components. Proposals that focus on the use of non-human model systems must describe the relationship of this research to human biology and disease.

### *on the cover*

Michael Thomas, Ph.D.  
Associate Professor,  
Idaho State University,  
Great Lakes  
WATER Institute

Dr. Thomas is a recipient  
of a 2009 Sabbatical  
Fellowship in  
Informatics

### *on the inside*

Daniel Mandell  
University of California  
at San Francisco,  
Department of  
Biopharmaceutical  
Sciences

Mr. Mandell is a recipient  
of a 2009 Pre  
Doctoral Fellowship  
in Informatics

# Types of Awards

*The PhRMA Foundation Program(s) in Informatics include the following awards:*

## **Pre Doctoral Fellowships**

This program provides two years of stipend funding during the doctoral program after course work has been completed and the remaining training activity is the student's research project. Applicants must be full-time students and the Department Chair or graduate officer is expected to verify the applicant's doctoral candidacy.

## **Post Doctoral Fellowships**

This program provides stipend funding to well-trained graduates from Ph.D. programs who seek to further develop and refine their informatics research skills through formal postdoctoral training. The application must include a research plan written by the applicant, the mentor's research record, and a description of how the mentored experience will enhance the applicant's career development in informatics.

## **Sabbatical Fellowships**

This program provides stipend funding to enable faculty members at all levels with active research programs an opportunity to work at the same or other institutions for periods of six months to one year in order to learn new skills or develop new collaborations that will enhance their research and research training activities in informatics. Applicants are expected to have approval (or pending approval) for a sabbatical leave from their home institution, and to provide an endorsement from the mentor who will sponsor their visiting scientist activity. Matching funds must be provided through the university.

## **Research Starter Grants**

This program supports individuals beginning independent research careers in academia who do not have other substantial sources of research funding. Applicants must be appointed to an entry-level tenure-track or equivalent permanent position in a department or unit responsible for informatics activities as part of its core mission. The description of an applicant's career goals and the Department Chair's description of institutional support for the applicant's salary are important in evaluating an application.

# General Information

## Eligibility Criteria

Before an individual is eligible to apply for a PhRMA Foundation award, an applicant must first have a firm commitment from a university in the U.S. Applications must be submitted from an accredited U.S. school, and all applicants must be U.S. citizens or permanent residents. Documentation is described under specific awards on the web site.

## Applications

Applications are to be submitted via the Foundation website. Required reports and hardcopies should be sent to: Eileen Cannon, Executive Director, Pharmaceutical Research and Manufacturers of America Foundation, 950 F Street, NW, Suite 300, Washington, DC 20004, and received by September 1, 2010. Applications will not be accepted after the deadline date.

Detailed application requirements are stated on our website. Please visit [www.phrmafoundation.org](http://www.phrmafoundation.org) to access an application and to view the specific requirements.

## Reports

The recipient school is expected to submit an annual report on the disposition of the funds awarded by the PhRMA Foundation. Any change in the relationship between the institution and the individual must be brought to the attention of the Foundation, at which time the situation will be reviewed.

A progress report is to be submitted by the awardee ten months into the first year of funding of the fellowship. The second year of funding, when applicable, is contingent upon a satisfactory review of the report. A final report is due within 60 days after the conclusion of the grant. These reports must be signed by the sponsor of the award recipient.

Any publications, speeches, presentations, and all other materials that stem directly from the research supported by this grant must acknowledge the support of the PhRMA Foundation. Three reprints of each publication should be forwarded to the PhRMA Foundation.

# Informatics Programs



*Pharmaceutical research is a field on the cutting edge of science.*

It is purpose driven, intellectually challenging and socially rewarding. Rapid scientific advances—in biochemistry, molecular biology, cell biology, immunology, genetics, and information technology—are transforming drug discovery and development, paving the way for more effective, precise drugs that have fewer side effects and will benefit patients of all ages and stage of life. Over the past 45 years, the PhRMA Foundation has provided grants and fellowships to thousands of young scientists to further their careers in pharmaceutical research. Many have gone on to illustrious careers in academia and government, some have made major pharmaceutical discoveries and others have mentored scientists over their careers. The prestige of receiving a PhRMA Foundation award has enabled 80% of our awardees to go on to receive funding from larger institutions—proof of the status our awardees are accorded.

*Now the opportunities are greater than ever.*

**The PhRMA Foundation** supports young scientists at critical points in their careers in emerging, new, and traditional disciplines important to the pharmaceutical industry by awarding competitive fellowships and grants. Mid-career scientists may also receive sabbatical support when seeking to redirect their research efforts. The aim of these programs is to encourage young scientists who will be the research leaders of tomorrow to pursue careers in research and education in areas essential to drug discovery.

# General Information continued

## Ethical Considerations

The Scientific Advisory Committee as well as the program advisory committees of the PhRMA Foundation require the appropriate use of humans and animals in research. In their deliberations, these committees consider all aspects of a proposal and may deny support for many reasons. Careful consideration is given to human use and care of animals. For human and animal research, the project review committee requires a written statement confirming adherence to prevailing standards of ethical research practices, including institutional Review Board approval, before initiation of any research projects. In addition, assurance of informed consent is required for all research in which humans are involved.

## Termination

Circumstances may arise under which the school or the award recipient may wish to terminate the award before its completion. This may be arranged at any time by agreement between the school and the PhRMA Foundation. Termination will be made with the understanding that all unexpended funds will be returned to the PhRMA Foundation and that any unpaid balance of the award will be canceled.

## Selection

Selection of the recipients of the awards will be made by the Board of Directors of the PhRMA Foundation, based upon the recommendations of the Scientific Advisory Committee and the Informatics Advisory Committee. All applicants will be notified no later than December 15, 2010.

### *Pharmaceutical Research and Manufacturers of America Foundation*

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950 F Street, NW, Suite 300, Washington, D.C. 20004  
(202) 572-7756 • (202) 572-7799 fax

Please visit  
**[www.phrmafoundation.org](http://www.phrmafoundation.org)**  
to access an application and view the specific requirements.