

Clinical Pharmacology 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.

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.

Area of Interest

Clinical Pharmacology

There is a critical need for early identification of medical/dental students interested in clinical pharmacology. If the discipline of clinical pharmacology is to meet the needs for clinically-trained professionals in future years, it is vital that there be a mechanism for promoting and identifying students with career interests in these areas.

Although clinical pharmacology is not likely to attract large numbers of students, the goals of this program are to insure that pharmacology will recruit, with some regularity, students to careers in the study of drugs and therapeutics. The medically trained pharmacologist gives this discipline a desirable balance between laboratory and clinical sciences that fosters translational research from bench to bedside and back to bench. Clinical Pharmacology offers a career track that leads to excellent opportunities in academic medicine, regulatory medicine, and the pharmaceutical industry.

The intent of the program is to encourage multidisciplinary training designed to bring the perspective of molecular, cell and systems biology to bear on research in pharmacology in intact organisms. The scope of these programs includes basic studies of drug action, detection of cellular responses to drugs at the gene level that create opportunities to optimize individualized drug therapy, and the

corresponding evaluation of pharmaceuticals in human and clinical populations. Research projects to extend or develop the proprietary value of specific drugs are not acceptable. This exclusion does not preclude research in which specific drug products are used to test hypotheses that have general applicability.

Types of Awards

The PhRMA Foundation Program in Clinical Pharmacology includes the following awards:

Faculty Development Awards in Clinical Pharmacology

Through this program, annual awards are made to medical schools for support for full-time junior faculty members in the field of human clinical pharmacology. The level of support is variable, and is aimed at keeping within the existing salary and fringe benefit structure of the applicant university. The award is for two years. Individuals at the associate professor or professor level should not apply for this award.

This program was established by the PhRMA Foundation in 1966 in recognition of the many problems involved in evaluating therapeutic agents. Drug investigation is a demanding task. As in nearly every aspect of the health field, manpower needs are acute. This program is intended to meet some of these workforce needs in the field of clinical pharmacology. The ultimate aim of the awards program is to stimulate teaching, training, and research in clinical pharmacology. It is aimed at providing an opportunity for the development of the research potential of clinical pharmacologists during the years immediately following their formal training programs.

Applications, however good, which do not meet the aims of the program will be disapproved.

The Paul Calabresi Medical Student Fellowship

This program offers an introduction to cutting edge translational science as it relates to human drug action. This fellowship offers support to medical/dental students who have substantial interests in research and teaching careers in pharmacology/clinical pharmacology and who are willing to work full time in a specific research effort. Students may undertake this investigative effort in their own school or at another institution.

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 by an accredited U.S. school, and all applicants must be U.S. citizens or permanent residents. Documentation is described under the specific awards on the website

Applications

Applications are to be submitted via the Foundation website to: Eileen Cannon, Executive Director, Pharmaceutical Research and Manufacturers of America Foundation, 950 F Street, NW, Suite 300, Washington, DC 20004, and received by **February 1, 2012**. Applications will not be accepted after the deadline date.

Detailed application requirements are stated on our website. Please visit www.phrmafoundation.org to access an application and to view the specific requirements.

Use and Care of Laboratory Animals

Research projects involving animal subjects require a statement that the project will follow the guidelines set for the NIH Guide for the Care and Use of Laboratory Animals and that the project will be performed, reviewed, and approved by a faculty committee of the university.

Reports

The recipient school is expected to submit an annual report on the disposition of the funds and on the progress in achieving the goals of the proposed plan outlined for the appointee. Payment of the award will be made quarterly each year. These awards are made to the institution on behalf of the individual. Any change in the relationship between the institution and the individual must be brought to the attention of the Foundation, at which time a review of the situation will be made.

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. Links to these publications should be forwarded to the PhRMA Foundation at foundation@phrma.org

Ethical Considerations

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

Termination

Circumstances may arise under which the school or the appointee may wish to terminate the award before its completion. This may be arranged at any time by agreement between the school and the Pharmaceutical Research and Manufacturers of America 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. These award funds may not be transferred.

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 Clinical Pharmacology Advisory Committee. All applicants will be notified no later than **May 15, 2012**.