



# ALERT

*Supporting research and early career endeavors of scientists in drug discovery and development*

## **Applications Available July 17 for Several 2020 PhRMA Foundation Awards**

Applications for three PhRMA Foundation 2020 award programs will be available starting July 17. The programs are:

- [Pharmaceutics](#)
- [Informatics](#)
- [Pharmacology/Toxicology](#)

Deadline for these awards is **September 1, 2019**. The PhRMA Foundation requires that all applicants have a firm commitment from a U.S. university or institution. The Foundation is no longer requiring that applicants be U.S. citizens. Each discipline offers pre/post doctoral fellowships and research starter grants.

Our [Pharmaceutics](#) program is focused on drug delivery systems—in particular, the design and evaluation of contemporary pharmaceutical dosage forms and systems to ensure their safety, efficacy, and reliability. It is a multidisciplinary discipline with significant underpinnings from basic sciences such as physical chemistry, physical organic chemistry, and biophysics. As advances in genomics—the study of genes and their functions—result in identification and production of functional genes, a quantitative understanding of factors influencing gene therapy delivery will become an increasingly important component of pharmaceutics.

The goal of our [Informatics](#) program is to promote development and use of novel informatics in an integrative approach toward understanding normal processes of human biology and disease processes. Informatics awards support career development of scientists engaged in research that significantly integrates state-of-the-art information technology with advanced biological, chemical, and pharmacological sciences in the relevant areas, for example:

Genetics / Genomes  
Proteomics / Metabolomics  
Molecular Systems Biology  
Medical (human) Pathways and Networks  
Genomics Molecular Epidemiology  
Pharmaco- Integrative Biology / Pharmaco-genomics  
Population Modeling and Simulation  
Novel approaches to the analysis of biomedical Big Data

Our [Pharmacology/Toxicology](#) program supports career development activities of

scientists embarking on research that integrates information on molecular or cellular mechanisms of action with information on the effects of an agent observed in an intact organism, in experimental animal or clinical studies or both. Highest priority will be given to applicants whose research will attempt to integrate information on a drug or chemical's mechanism of action at the molecular or cellular level with a drug's effect in a human or laboratory animal. Applicants should describe the significance of a hypothesis being tested in the context of potential influences of biochemical, physiological, behavioral, or social systems. These awards intend to encourage multidisciplinary training to apply the perspective of molecular, cell, and systems biology to pharmacology and toxicology research. Their scope includes basic drug action studies, 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.

For more information or to apply, visit the PhRMA Foundation website, [www.phrmafoundation.org](http://www.phrmafoundation.org). You may also call **202-572-7756**.

We encourage Foundation alumni and other stakeholders to consider applying and to forward this announcement on to colleagues who may be interested!

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[Visit our website for more information](#)

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