Translation research is a fundamental element for the progression of innovative medical advances. With the support of the PhRMA Foundation, I have had the opportunity to use an integrated research approach that bridges the translational interface between clinical and basic science for the identification of novel biomarkers for prevention and interventions.

Kasi McPherson, PhD
University of Alabama, Birmingham School of Medicine

Fellowships in
> Translational Medicine and Therapeutics

• Post Doctoral Fellowships
• Research Starter Grants

The PhRMA Foundation supports the research and early career endeavors of scientists in drug discovery and development

Application and award details at www.phrmafoundation.org
The goal of the PhRMA Foundation’s Translational Medicine and Therapeutics Program is to promote the development and use of experimental and computational methods in an integrative approach towards clinical needs in diagnosis, treatment and prevention. This can involve enhanced understanding of human biological and disease processes but requires a strong translational component. This program supports the concepts of Translational Medicine and Therapeutics as defined by the Foundation:

“Translational medicine and therapeutics is a discipline focused on bridging experimental and computational technologies and discoveries in the research laboratory to their application in clinical practice. Examples of research components include activities in molecular and cellular biology, pathophysiology, systems biology, bioinformatics, modeling and simulation, and other quantitative sciences to connect basic biological concepts and entities to directly address unmet medical needs. The goals are to use clinical observation as the basis for hypothesis generation to further basic research and to efficiently advance the product of basic research to patients.”

Translational Medicine and Therapeutics awards will advance training and support career development of scientists engaged in research that significantly integrates cutting-edge technologies with advanced biological, chemical, and pharmacological sciences and engineering methodologies in such areas as (but not restricted to):

- Genetics (Molecular, Pharmaco-, Population, Medical)
- Genomics (Functional, Structural, Toxico-, Pharmaco-, Comparative)
- Systems (Biology and Pharmacology)
- Pathways and networks
- Integrative biology
- Modeling and simulation
- Target Identification and Validation
- Biomarker Discovery and Validation
- Vaccine Development
- Molecular Epidemiology
- Imaging
- Disease Modeling

Continues on following page
> Program Priorities

1. Emphasis will be placed on the identification of unmet clinical needs and the development of new experimental and computational approaches and technologies that facilitate the translation of research data into an elucidation and understanding of human biological and disease processes to directly support their solution.

2. Preference will be given to those applicants whose research identifies unmet clinical need and combines novel experimental and computational methods together with actual clinical validation.

3. For applications to be considered, proposal must contain evidence of collaboration across the non-clinical:clinical interface and not solely apply experimental and computational methodologies to data generation and analysis without clinical validation.

4. The use of non-human model systems must be described in terms of its relationship to human biology and disease, including its limitations and advantages, and the results of such studies must involve clinical testing in support of the model. Foundation-supported research, including this program, encourages open-source development of algorithms and methodologies whenever possible and supports open data-sharing whenever appropriate, to further the goals of this program.

> General Information

Eligibility Criteria: Before an individual is eligible to apply for a PhRMA Foundation award, an applicant must have a firm commitment from an accredited U.S. school or university. Necessary documentation is described under the specific awards on the website.

> Applications

All application components are listed at the Foundation’s website at www.phrmafoundation.org. Online applications must be completed and submitted by February 1, 2019. Applications will not be accepted after the deadline date. Visit our website for detailed information regarding: use and care of laboratory animals; ethical considerations; required reporting; termination; and other relevant information.

All applicants will be notified no later than April 15, 2019.