

PHYSICIAN-SCIENTIST INSTITUTIONAL AWARD

**Increasing Opportunities for the M.D.
Interested in a Research Career**

Proposal Deadline:

February 15, 2019

BURROUGHS
WELLCOME
FUND 

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KEY DATES

Grant application portal available	September 14, 2018
Application deadline	February 15, 2019, 4:00 pm Eastern
Finalist in-person Interviews	May 16 or 17, 2019
Notice of award	by May 24, 2019
Award start date	September 1, 2019
Award end date	August 31, 2024
Progress and Financial Reports due	Annually beginning November 1, 2020

PROGRAM

BWF is offering a second round of the Physician-Scientist Institutional Awards (PSIA) program which was instituted in 2017 to increase the number of single degree M.D.'s who enter research. A one-step full application submission will be utilized with proposals due February 15, 2019.

The PSIA advisory committee will review novel and innovative proposals that demonstrate how institutions will utilize a \$2.5 million grant from BWF that outlines opportunities and support for the M.D. (only) to pursue training that will enable her/him to launch and continue a successful career as an independent investigator. Ten to 12 finalists will be selected and will be required to come to BWF headquarters in Research Triangle Park, NC for an interview May 16 or 17, 2019.

Up to five awards (\$2,500,000 each) will be made in this program cycle.

Selection Factors

- How will the program increase the number of single degree M.D.'s who establish research careers?
 - BWF will not support programs that offer Ph.D.'s. or significantly increase the number of years to independence.

- How will the institution support the program?
- How does the program reflect a commitment to diversity and inclusion, and to developing and training a diverse group of future M.D. (only) researchers?
- How will the program measure outcomes and use feedback from those measures to improve and refine the program?
- Is the program potentially scalable as a model for other institutions?
- In general, BWF will attempt to identify those programs that have a high level of innovation, are sustainable, have a strong research component, and key personnel are able to demonstrate enthusiasm and passion.

Careful evaluations of the fully funded programs, including extensive feedback from the M.D. researchers and their mentors, will be gathered by BWF to provide information about how the programs might be strengthened and expanded both within the participating institutions and other institutions. We anticipate that these insights will be extensively disseminated in both a written form and at meetings. We hope that these positive strategies will be adopted at a number of medical schools resulting in an increase in the number of physician scientists.

TERMS OF THE GRANT/USE OF FUNDS

Indirect costs may not be charged against BWF grants.

BWF's Physician-Scientist Institutional Award provides \$2.5 million over five years to degree-granting institutions to increase the number of single degree M.D.'s who enter research.

Awards are made to degree-granting institutions in the U.S. or Canada. The institutions are responsible for disbursing the funds and for maintaining adequate supporting records and receipts of expenditures. BWF does not support indirect costs. Salaries of support personnel and materials appropriate to administering the program should be included as direct costs.

Institutions must provide BWF with an annual progress and financial report each year within 60 days of the end of each award year. Continued funding will depend on the favorable review of these reports by BWF and its program advisory committee.

During the award period, unused funds may be carried over to the succeeding year. During the award period, spending rates will vary, therefore, BWF will allow justified no-cost extensions.

Scientific publications or presentations that result from these awards must acknowledge the institution's receipt of a Burroughs Wellcome Fund Physician-Scientist Institutional Award. Copies of journal articles and other publications should be sent to BWF along with the annual progress report.

BWF will not retain any rights to published results or patents that result from the research. Awarded programs should follow their institutions' patent, copyright, and intellectual property policies regarding discoveries that result from research conducted under these awards.

BWF expects the appropriate federal, state, and local guidelines with regard to scientific misconduct are in place and enforced at all institutions. Institutions are expected to adhere to all federal, state, and local regulations regarding the participation of human subjects, and the use of animals, radioactive or hazardous materials, and recombinant DNA in their research projects.

Scientific findings should be shared in a timely manner via the standard means of scientific communication, including publications and/or presentations in scientific forums.

APPLICATION PROCESS OVERVIEW

Application Process

A proposal consists of data entry fields submitted through the online Internet Grant Application Module (IGAM). Applications are due **February 15, 2019 by 4:00 p.m. Eastern Standard Time.**

How to Submit an Online Proposal Application

To begin a new full grant submission use this link: [proposal](#)

To return to a full proposal already saved use this link: [saved proposal](#)

Proposal Elements

A complete proposal consists of fields submitted through the online IGAM application plus a single PDF attachment. The detailed components of the complete proposal are shown below:

Online application form available through IGAM:

- Applicant Information (PI)
- Applicant Demographics
- Degree-granting Institutional Information
- Signing Official Information (degree-granting institution)
- Proposal Information

Single PDF Attachment:

Prepare in advance the following required documents. Combine and order the supporting materials and upload into one (1) PDF file. The applicant must name the file using this format only: Last Name, First Name – PSIA App 2019

A. Cover/Signature Page (use template below)

Using the template provided, enter the requested information and complete entire form, including signature from the applicant and authorized signing official. [Download Forms and Templates](#)

B. Full Proposal (maximum of 6 pages, not including references)

Use a standard 11 or 12 point font for the text and no smaller than a 9 to 10 point font for figures, legends, and tables. The font size for the text will be strictly enforced. Text must be single spaced, with one-inch or larger margins on all sides. Number the pages of the proposal.

The full proposal should include the following:

- Abstract (400 word maximum).
- Background and rationale about how this proposal addresses the issue of increasing the participation of the M.D. (only) investigators in the academic research enterprise.
- Timeline and plan for implementing program's launch, recruitment of participating faculty, recruitment and selection of trainees, and development of the program over time.
- Administrative structure of the program.
- Institutional commitment both during the award phase and post award.
- Discussion of sustainability after the period of the award.
- Evaluation/outcomes plan.
- Assurance that, if selected for the final round, the PI or his/her delegate will be available to travel to an in-person interview at BWF headquarters in Research Triangle Park, North Carolina on either May 16 or 17, 2019.

C. Budget and Justification (maximum 3 pages)

No template provided – use your institution’s 5-year template and include justification. We realize that each program will be different and the rate and type of expenditures will vary. This will be particularly true during the start-up period. Provide your best estimate and we will work with you. Justified no-cost extensions will be allowed.

D. Biosketches and Roles of Key Personnel

Provide current NIH biographical sketch. A five page CV may be substituted for applicants at Canadian degree-granting institutions.

E. Letter(s) of institutional support

Submission Process

Upload the combined file of supporting documents as one attachment on the Attachments tab of the online application. Click the “Review Your Application” on the Attachments tab to see if any errors are identified in your application. All information and required attachments must be provided before the “SUBMIT” button is available. Click the “SUBMIT” button to transmit the application. An automated message will confirm that the application was successfully submitted. Proposals are due **February 15, 2019 by 4:00 p.m. Eastern Standard Time.**

2018 INSTITUTIONAL AWARDEES (FOR INFORMATION):

University of Texas Southwestern Medical Center

Training Resident Doctors as Innovators in Science

This residency-focused initiative will develop two-year, laboratory-based research programs in Pediatrics, Surgery, and Internal Medicine, with formalized mentorship augmented by specialized training, faculty expertise and technology platforms in the Dallas/Fort Worth Metroplex. The new program harmonizes and synergizes institution-wide growth in a culture of enthusiasm for residency research. It will continuously support the research residency-fellowship-faculty career transitions for trainees, encompassing the appointment of trainees as faculty upon attainment of a K or equivalent career development award.

Duke University Medical Center

The Duke Integrated MD-Scientist Program

This program will create an Office of Physician Scientist Development to coordinate oversight of M.D. (only) scientist development from medical school through junior faculty. Initiative to be implemented will be concierge mentoring, basic research training program using a flipped classroom curriculum, M.D. (only) funding, and integrated training pathways.

Vanderbilt University

Supporting Careers in Research for Interventional Physicians and Surgeons

This program addresses the issue that surgeons and procedure-based physicians are underrepresented among basic science researchers. Characteristics of this program are introduction of medical students to the possibilities for basic research careers in surgical and interventional specialties, extended protected research time for residents and fellows, alleviation of financial uncertainty (loan repayment), dedicated mentorship, and continued research productivity during the completion of clinical training.

Stanford University

Stanford/BWF Scholars Program

This 6-year program will establish a 3-year medical school preclinical curriculum that blends preclinical courses and intensive research experiences. Rigorous lab and data science projects will be pursued, followed by a 4th year of full time research, then completion of clinical training in years 5 and 6. Scholars will enter short-track residency programs to prepare for careers as clinically-active physician scientists.

University of Pittsburgh

The University of Pittsburgh Physician Scientist Incubator

This proposal allows for three entry points: 1) MS4 students from medical student physician scientist training program (PSTP) track; 2) Post-PGY1 resident; 3) Fellowship (with or without T32 support). Focus is on building laboratory science skillset. Initiatives for Scholars include technical instruction, data analysis and experimental design, transactional skills, career/resilience coaching, time banking, technician option upon transition back to clinic.

Questions?

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