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MISSION STATEMENT
The mission of the Gilead Sciences Research Scholars Program in Pulmonary Arterial Hypertension (PAH) is to support innovative scientific research that will advance knowledge in the field of pulmonary arterial hypertension, or PAH. Gilead Sciences, Inc. hopes that the research supported by these awards will enhance understanding of pulmonary arterial hypertension.

PROGRAM OVERVIEW
The Program provides financial support to 3 junior faculty researchers for a 2-year period. Each award is funded up to $130,000, to be paid in annual installments of up to $65,000 per year for 2 years. Funding for the second year is contingent upon submission of a progress report and approval by the Scientific Review Committee Chair.

Recipients of these competitive awards will be selected by the Committee, comprised of leaders in the field of PAH. The Committee will review complete applications and select research proposals based on their scientific merit, feasibility, and innovation. Announcement of award recipients will be made at an awards dinner hosted by the Committee and senior representatives from Gilead.

Applicants must meet the eligibility criteria in order to be considered for an award. Refer to the Eligibility section on page 3.

SCIENTIFIC FOCUS
The Program is designed to support basic science and clinical research in the field of pulmonary arterial hypertension. Areas of research may include, but are not limited to:

- Basic science underlying PAH
- Genetics of PAH
- Pathophysiology of PAH
- Epidemiology of PAH
- Techniques for early diagnosis of PAH

The Program is designed to support new original research. Proposals with significant scientific overlap with funded research projects from a peer review agency or industry source will not be considered.

As proposals are reviewed by an independent Scientific Review Committee (no Commercial involvement in review and selection, i.e., Marketing, Sales, and Commercial Strategy), no preference is given to proposals related to products of Gilead Sciences, Inc. All proposals are reviewed based upon the criteria outlined in this brochure.
SCIENTIFIC REVIEW COMMITTEE

Applications will be reviewed by the Committee, comprised of internationally-recognized experts in basic and clinical research in the field of PAH.

Chair:
Paul M. Hassoun, MD
Professor of Medicine
Director, Pulmonary Hypertension Program
Johns Hopkins University
Baltimore, MD

Review Committee:
Raymond L. Benza, MD
Professor of Medicine
Temple University College of Medicine
Program Director, Advanced Heart Failure, Transplant, Mechanical Circulatory Support and Pulmonary Hypertension
West Penn Allegheny Health System
Pittsburgh, PA

Karen A. Fagan, MD
Associate Professor of Medicine
Chief, Pulmonary and Critical Care Medicine
University of South Alabama
    College of Medicine
Mobile, AL

Nicholas S. Hill, MD
Professor of Medicine
Tufts University School of Medicine
Chief, Pulmonary, Critical Care and Sleep Division
Tufts Medical Center
Boston, MA

Steven M. Kawut, MD, MS
Associate Professor of Medicine and Epidemiology
Director, Pulmonary Vascular Disease Program
University of Pennsylvania School of Medicine
Philadelphia, PA

Bruce R. Pitt, PhD
Professor and Chairman
Department of Environmental & Occupational Health
Graduate School of Public Health
University of Pittsburgh
Pittsburgh, PA

ELIGIBILITY

Applicants must meet the following requirements:

- Hold an MD, DO, PhD, or equivalent degree at time of award
- Be within 5 years of a faculty appointment in association with a research institution in the United States at the time of application
- Have a strong career interest in PAH

Submit online at http://researchscholars.gilead.com/PAH
Have a research mentor with extensive experience in the field of PAH

Be able to devote at least 50% of professional time to research (versus administrative, patient care, or teaching responsibilities)

Be able to complete the proposed research within the 2-year award period

Citizenship/Visa Status
An applicant must be a citizen, permanent resident of the United States, or hold a temporary nonimmigrant visa. This visa must be valid for the two-year award period (January 2, 2014 – December 31, 2015).

CRITERIA FOR SELECTION
In their evaluation, the Committee will consider the following criteria:

Criterion 1: Evaluation of the Applicant
- Potential for a career in PAH-related research
- Academic record
- Prior research experience and/or publications
- Clearly written presentation supporting the research need

Criterion 2: Mentor/Training Plan and Scientific Environment
- Letter of support from mentor which includes: mentor’s track record of productivity, funding, and success with prior trainees; detailed description of the mentoring plan, including available resources allocated to the proposed research project, provision of protected time and available laboratory facilities
- Is the mentor an independent investigator?
- Does the mentor have the experience to direct the proposed research training, as evidenced by the letter of support?
- Is the training plan sufficient to facilitate the applicant’s progress towards his/her research career goals?
- Does the proposed scientific environment contribute to the probability of success for the training experience?
- Is the institution willing and able to commit the resources necessary for the applicant to complete the proposed research, including sufficient protected time?

Criterion 3: Evaluation of the Proposal
- Innovation and Significance: Is the research proposal new and original and does it address an important question/issue related to PAH? Will this study have an effect on concepts, methods, and/or technologies related to PAH research?
- Approach: Are the conceptual framework, design, methods and analyses adequately developed, well-integrated, well-reasoned, feasible (as determined by preliminary data or the expertise available in the mentor’s laboratory), and
appropriate to the aims of the project? Does the applicant acknowledge potential problem areas and consider alternative tactics?

- **Feasibility:** Can the project, as described in the submitted proposal and budget, be accomplished within the timeframe of the award?

**APPLICATION INFORMATION**

**Submission Deadline:** Midnight, Eastern Daylight Time, August 2, 2013. No applications will be accepted after this date.

Applications must be completed online and submitted electronically with the required Supplementary Materials to [http://researchscholars.gilead.com/PAH](http://researchscholars.gilead.com/PAH)

If you have any questions, or require further information, please contact:
Research Scholars Program Coordinator
Telephone: 646-674-1820
E-mail: pahresearchscholars@contacthmc.com

**Application**

Applications must include the following Supplementary Materials as specified:
- Completed Application Form (All fields must be completed or applicant will not be able to submit)
- Research Abstract
- Research Proposal
- Applicant’s curriculum vitae, resume, or NIH biosketch, inclusive of publications, if applicable
- Mentor’s NIH biosketch
- Letter of support from mentor, which includes: mentor’s track record of productivity, funding, and success with prior trainees; detailed description of the mentoring plan, including available resources allocated to the proposed research project, provision of protected time and available laboratory facilities
- Bibliography of relevant references (maximum of 20)
- Detailed budget and completed budget summary
- Certification of Faculty Appointment from mentor is required and must be submitted with the Application, using the template provided on the Program website
- Acknowledgement of Indirect Costs Limitation and of the terms of this award from your institution’s grants department is required and must be submitted with the Application using the template provided on the Program website
- List of Pending Applications for Funding, using the template provided on the Program website
GUIDELINES FOR THE RESEARCH PROPOSAL

The Research Proposal should be a clear and concise presentation of the applicant’s proposed research.

The Proposal must include:

Research Abstract
Provide an abstract of no more than 325 words outlining the applicant’s proposed research.

Research Description
Provide a description that is single-spaced (using 11 point Arial font) and limited to 5 pages total, not including the bibliography or budget. Research Proposals over 5 pages will not be accepted.

The proposal must include:
1. Title of the proposed research
2. Description of research objectives, including relevant literature, specific aims, study design, methodology, data and projected results
3. Discussion of the relevance of the proposed research to the objectives of the Research Scholars Program (see Scientific Focus section on page 2)
4. Description of analytical methods (figures and tables should be included in the body of the text, where applicable)
5. Description of potential research challenges and possible approaches for overcoming them
6. Description of relevant past work by the applicant, including joint collaborations and references

Budget Guidelines

Indirect Costs:
- In an effort to maximize the research benefit of the award, indirect costs paid for under this Program may not exceed 8% of the award and are included as part of the budget, not as an addition to the value of the award

Salaries:
- The applicant may allocate up to $50,000 per year in salary and fringe benefits support for the applicant or a technician
- Salaries and fringe benefits support for mentors, post-doctoral fellows, or students may not be included

Supplies:
- Supplies such as disposables, chemicals, reagent kits, animals, etc may be included
- Equipment purchases with a single item value of greater than $2,500 may not be included
Travel:
- Up to $1,500 per year for the applicant’s travel to a scientific meeting for presentation of data may be included.

If the research project includes investigations on human subjects, a copy of the submission to the institutional review board (IRB) must be submitted prior to award.

If the research project involves laboratory animals, researcher must certify that he/she will comply with all laws and regulations pertaining to care and use of animals in research prior to award.

PROGRAM TIMELINE
The timeline, from application submission to award disbursement, is below:
- Application Deadline: August 2, 2013, Midnight, Eastern Daylight Time
- Applicant Notification: September 13, 2013
- Award Disbursement: January 2, 2014

INQUIRIES/CONTACT INFORMATION
For general inquiries about the Research Scholars Program, please call or e-mail:
Gilead Sciences Research Scholars Program in Pulmonary Arterial Hypertension
Attn: Research Scholars Program Coordinator
Telephone: 646-674-1820
E-mail: pahresearchscholars@contacthmc.com

PREVIOUS AWARD WINNERS

2012 Recipients
- Brian Graham, MD, University of Colorado
- Tim Lahm, MD, Indiana University
- Bradley Maron, MD, Brigham and Women’s Hospital

2011 Recipients
- Nicholas Khoo, PhD, University of Pittsburgh
- Steven Chan MD, PhD, Brigham and Women’s Hospital
- Enrico Novelli, MD, University of Pittsburgh

2010 Recipients
- Cassidy Delaney, MD, University of Colorado
- Hyung Chun, MD, Yale University School of Medicine
- Li Gao, MD, PhD, Johns Hopkins University

2009 Recipients
- Natalie Bauer, PhD, University of South Alabama
- Elena Goncharova, PhD, University of Pennsylvania
- Michael Passineau, PhD, Allegheny-Singer Research Institute

2008 Recipients
- Ross Summer, MD, Boston University*
- Gustavo Heresi, MD, The Cleveland Clinic
- Stephen Mathai, MD, MHS, Johns Hopkins University

*At time of award

Submit online at http://researchscholars.gilead.com/PAH
FUNDING CONSIDERATIONS

If you are selected as an award recipient, you and your institution must agree to the following items, including, but not limited to:

- **Exclusive Use of Funding**
  
  In an effort to maximize the research benefit of the award, indirect costs paid for under this Program may not exceed 8% of the award and are included as part of the budget, not as an addition to the value of the award.

- **Progress Reports**
  
  Submission of research progress and financial accounting reports for review by the Committee are required annually. Funding for the second year is contingent upon Committee Chair approval of the research progress report.

- **Publications**
  
  The support of the Gilead Sciences Research Scholars Program in Pulmonary Arterial Hypertension must be acknowledged in any publication or abstracts resulting from research funded by this award.

- **Intellectual Property**
  
  The host institution shall retain ownership of any inventions made by the institution and investigator during the conduct of the research.

- **Change of Institution or Discontinuation**
  
  The Research Scholars Program Coordinator must be notified immediately if the award recipient leaves the host institution or discontinues the research funded by the Program. In the event award recipient moves to another institution, the award may be transferred at the sole discretion of the Committee. The new host institution must also agree to accept the terms and conditions of the existing award. In the event the host institution or award recipient is unable or desires to discontinue the research before its completion, institution will be required to return all unexpended funds and any remaining award will be terminated.

*Award recipients* and their institutions will be required to enter into a written grant agreement with Gilead prior to receipt of funding.