

Jenesis Innovative Research Awards™

SUBMIT AN APPLICATION

STATEMENT OF PURPOSE

The Jenesis Innovative Research Awards™ provide support to US- or Canada- based investigators who are engaged in innovative research that will advance scientific knowledge and enhance patient care in pulmonary hypertension (PH), idiopathic pulmonary fibrosis (IPF), or lung transplantation. The program encourages submissions exploring topics in health equity, determinants of health, and marginalized populations. Applicants must be part of an appropriate research group and under the supervision of a qualified mentor. Three awards of up to \$100,000 each will be issued annually.

PROGRAM OVERVIEW

The program provides financial support to 3 junior faculty for a 1-year period. Each award is funded up to \$100,000. Recipients of these competitive awards will be selected by an independent Scientific Review Committee (SRC), comprised of leaders in the fields of PH, IPF, or lung transplantation. 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 SRC and senior representatives from United Therapeutics. Please refer to the Applicant Eligibility section below to review the criteria applicants must meet to be considered for the award.

AWARD AMOUNT

\$100,000

AWARD DURATION

1 year

SCIENTIFIC FOCUS

The program is designed to support basic, translational, clinical and population research in the fields of PH, IPF, or lung transplantation, as well as to encourage research in health equity, determinants of health and marginalized communities. The program addresses three types of awards:

- **Jenesis Clinical Investigations and Outcomes Award™**
—exploring populations with unmet needs or novel treatment approaches, as well as exploring the science of clinical or patient-reported outcomes research

- **Jenesis Pre-Clinical Award™**
—exploring the mechanisms behind PH, IPF, or lung transplantation disease processes and effects of therapies
- **Jenesis Determinants of Health Award™**
—exploring health equity and outcomes gaps among marginalized communities

The intention is to select an appropriate proposal in each of the above categories. However, this will depend on the number and quality of submissions. Final award decisions will be made based on scientific merit, regardless of category.

The 2024 award program will accept research proposals related to PH, IPF, or lung transplantation. The program will support new original research. Proposals with significant budgetary or scientific overlap with funded research projects from a peer review agency or industry source will not be considered. If you plan to request treprostinil product for use in your Jenesis Award research proposal, you must clearly indicate the product and quantities requested in your proposal at the time of submission. Requests for product made after the initial proposal is submitted will not be considered.

Note: Applications must be completed online and submitted electronically.

Eligible Sponsoring Institution

These awards provide grants directly to the institutions of the selected researchers. The institutions are limited to US- or Canadian-based, nonprofit organizations, including medical and osteopathy schools, pharmacy schools, universities and colleges, and hospitals that demonstrate the ability to support the proposed research.

Applicant Eligibility

These awards are intended for junior faculty who are in the early stages of their career. An applicant may be the recipient of a career development (K) award or equivalent, but not an R category grant. At the time of proposal submission, applicants must meet the following requirements:

- Hold a PhD degree or equivalent, or a doctoral-level clinical degree, such as MD, DO, or PharmD

*United Therapeutics cannot guarantee the availability of certain products in Canada.

- Be a US or Canadian citizen, permanent resident, or hold a valid nonimmigrant visa. This visa must be valid for the one-year award period.
- Be within five years from completion of final training in association with an academic research institution in the US or Canada at the time of the application
- Demonstrate a strong career interest in PH, IPF, or lung transplantation
- Have a research mentor with extensive experience in the fields of PH, IPF, or lung transplantation
- Have at least 40% protected time to devote to research in general (instead of administrative or clinical duties that are not part of the research)
- Be able to complete the research within the 1-year award period
- Certify applicant will have an academic appointment at the institution where the research will be conducted at the time of award

REVIEW CRITERIA

Applications are evaluated based on the following criteria:

Criterion 1: Evaluation of the Applicant

- Mentor's assessment of the applicant
- What is the applicant's previous research experience and/or publications
- Potential for a career in PH, IPF, or lung transplantation-related research
- Is the proposal well-structured and clearly written
- Applicant's contribution to the proposal, as well as other research experiences listed on the applicant's biographical sketch

Criterion 2: Mentor/Training Plan and Environment

- The mentor should be an independent investigator in PH, IPF, or lung transplantation and have the experience to direct the proposed research training, as demonstrated by a track record of funding, productivity, and success with prior trainees
- Detailed description of the training plan should be provided by the mentor that demonstrates familiarity with the applicant's career and developmental goals
- The mentor should ensure that the expertise, laboratory facilities, and protected time at the sponsoring institution will support the applicant's progress toward his/her research goals
- 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:** The proposal should be new, original, and address important concepts, methods, and/or technologies pertaining to PH, IPF, or lung transplantation
- **Approach:** The proposal should be appropriate for the applicant, given his or her education and experience. The conceptual framework, aims, preliminary data, design, methods, and analyses should be appropriate to the aims of the project. The proposal should acknowledge potential problems and address alternative approaches
- **Feasibility:** The project should be feasible within the one-year time frame and proposed budget

GUIDELINES FOR THE APPLICATION

The applicant must take primary responsibility for the writing and preparation of the various components of the proposal, which are to be submitted electronically using the forms provided. Other individuals (eg, the mentor) will provide supporting documents that should be included with the application.

Please be sure to complete all required fields or you will not be able to submit!

The application must include:

Applicant's biosketch (NIH biosketch)

Research Abstract

The proposed research should be outlined in an abstract of no more than 500 words

Proposal

The proposal should be a clear presentation of the project, single-spaced (11-point Arial font), and limited to 5 pages, not including the bibliography. Proposals of more than 5 pages will not be accepted.

The proposal must include:

- Title
- Background and significance
- Preliminary results, if applicable
- Research design and methods, including any requests for treprostinil and quantities
- Anticipated results and potential pitfalls
- Figures and tables, if applicable, should be included in the body of the text

- Description of potential challenges and possible approaches to address them
- Bibliography (not included in the 5 page proposal count)

Mentor's biographical sketch (NIH biosketch)

Letter of support from mentor which includes:

- Prior experience to direct the proposed research training, as evidenced by mentor's track record regarding productivity, funding, and 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
- A plan for instruction and supervision in the responsible conduct of research
- A plan for the applicant's career and developmental goals
- Applicant's contribution to the proposal, as well as other research experiences listed on the applicant's biographical sketch

Letter of support from department head or division chief which includes confirmation of academic appointment and protected time for research

Detailed budget

- In order to maximize the benefits of the grant, indirect costs may not exceed 10% of the award and should be included in the budget
- Salary and fringe benefits support may be allocated for the applicant or technician
- There is no limitation on cost of supplies
- Travel costs are limited to \$2,000 and may only be used to present data associated with this grant
- Salaries and fringe benefits support for mentors, post-doctoral fellows, or students may not 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 disbursement.

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

United Therapeutics will require IRB approval for clinical work and Institutional Animal Care Committee (IACUC) approval for nonclinical work prior to award disbursement.

Templates (Please use the templates provided on this website.)

- **Acknowledgement of Indirect Costs Limitation** signed by an authorized institutional official
- **Applications for Funding**
- **Certification of Faculty Appointment**, signed by the applicant and mentor

INQUIRIES/CONTACT INFORMATION

Jenesis Innovative Research Awards Coordinator

Telephone: 516-287-5015

E-mail: utjenesisawards@j-jhealth.com

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 order to maximize the benefits of the grant, indirect costs may not exceed 10% of the award and should be included in the budget.
- **Publications**
The support of the Jenesis Innovative Research Awards™ Program must be acknowledged in any publications or abstracts resulting from research funded by this award. Draft publications must be submitted to United Therapeutics 30 days prior to submission to any scientific congress or journal.
- **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**
United Therapeutics must be notified immediately if the award recipient leaves the host institution or discontinues the research funded by the program. In the event the award recipient moves to another institution, the grant may be transferred at the sole discretion of the Scientific Review 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.

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

Jenesis Trailblazer Awards™

SUBMIT A NOMINATION

STATEMENT OF PURPOSE

The Jenesis Trailblazer Awards™ recognize two exceptional US- or Canada-based female researchers or clinicians who have completed innovative research in the fields of pulmonary hypertension (PH), idiopathic pulmonary fibrosis (IPF), or lung transplantation. Up to two non-monetary awards will be issued annually.

PROGRAM OVERVIEW

The program will provide recognition to two female researchers or clinicians annually – one for the Jenesis Trailblazer Award™ and one for the Jenesis Emerging Trailblazer Award™ which recognizes an early-to-mid career researcher or clinician for innovative contributions to PH, IPF, or lung transplantation. Recipients of these awards will be selected by an independent Scientific Review Committee (SRC), comprised of leaders in the fields of PH, IPF, or lung transplantation. The SRC will review all submitted complete nominations. Announcement of award recipients will be made at an awards dinner hosted by the SRC and senior representatives of United Therapeutics.

Please refer to the Eligibility for Nomination section below to review the criteria nominees must meet to be considered for an award.

SCIENTIFIC FOCUS

The program aims to acknowledge and celebrate the development of female leaders in the fields of PH, IPF, or lung transplantation and feed the talent pipeline by recognizing women at critical points in their careers.

ELIGIBILITY FOR NOMINATION

THESE AWARDS ARE INTENDED FOR FEMALE RESEARCHERS OR CLINICIANS WORKING IN THE FIELDS OF PH, IPF, OR LUNG TRANSPLANTATION.

Jenesis Trailblazer Awards™

At the time of nomination submission, nominees must meet the following requirements:

- Hold the title of either Associate Professor or Professor

- Hold a PhD degree or equivalent, or a doctoral-level clinical degree, such as MD, DO, or PharmD
- Be a US or Canadian citizen, permanent resident, or hold a valid nonimmigrant visa
- Be responsible for providing exceptional patient care or contributing innovative research to the fields of PH, IPF, or lung transplantation

Jenesis Emerging Trailblazer Awards™

At the time of nomination submission, nominees must meet the following requirements:

- Hold a title of no higher rank than Assistant Professor. Fellows and instructors are eligible
- Hold a PhD degree or equivalent, or a doctoral-level clinical degree, such as MD, DO, or PharmD
- Be a US or Canadian citizen, permanent resident, or hold a valid nonimmigrant visa
- Be responsible for providing exceptional patient care or contributing innovative research to the fields of PH, IPF, or lung transplantation

NOMINEE REVIEW CRITERIA

Nominees are evaluated based on the following criteria:

- Exhibited scientific/technical/clinical expertise
- Novelty/innovation of the research
- Potential impact and application of the research or ability to address unmet medical needs
- Impact the nominee may have had on the careers of other researchers or proteges

INQUIRIES/CONTACT INFORMATION

For general inquiries, please call or email:

Attn: Jenesis Trailblazer Awards Coordinator

Tel: 516-287-5015

Email: utjenesisawards@j-jhealth.com