2017 BUSCH BIOMEDICAL GRANT GUIDELINES

Applications are due on or before March 21, 2017, 5 p.m. EST.
Late Applications will not be accepted.

PROGRAM OVERVIEW:
The Busch Biomedical Grant program is designed to enhance health-related research at the University and to strengthen the competitive position of faculty members who seek external research funds. Interest income from the Charles and Johanna Busch Bequest is distributed within the University to reflect the stipulations of the Last Will and Testament of Mr. Charles Busch.

Proposals for funding are solicited annually by ORED. Proposals will be reviewed by a panel of faculty representing different health-related disciplines as well as the various University campuses. Awards are made on the basis of Busch Grant funding priorities and scientific excellence.

FUNDING TYPES:
1. Bridging Grants – For extramural competitive renewal grant applications that were reviewed and received a score, but were not funded.
2. Seed Grants for Early Stage Faculty
3. Collaborative “High Impact” Grants – High impact collaborative proposals from two or more faculty members.

AWARD:
The Busch Biomedical Grant program will support research projects up to $40,000 total for up to 2 years. An approximate total of 10-12 projects are supported each cycle.

- ELIGIBILITY:
- Individuals are permitted to submit only one application per cycle.
- Applicants must not have been awarded a Busch Biomedical Grant in the past 3 years.
- Applicants must have a Full-Time Faculty appointment (Tenure Track and NTT Faculty)
- Not eligible to apply: postdoctoral associates, teaching and research assistants, coadjutant appointees, clinical and adjunct faculty defined as part time positions and visiting faculty members
- Note: PIs applying for or receiving concurrent internal grant funding (e.g. Team Science Initiative, Research Council, TechAdvance, etc.) supporting the same or similar research are ineligible to receive funding.
- If the submitted project has been funded by another organization after submission to this program you must notify the program administrator and the submission must be withdrawn.
- See below for restrictions on applicants with current funding.
**FUNDING TYPE DESCRIPTIONS:**

1. **Bridging Grants**
   a. Current total annual extramural support (federal and private) as principal investigator cannot be greater than $100,000 of direct costs at the time of application. *Awards ending within 6 months of the date of submission to BBG will not count towards the limit.*
   b. Prior NIH or NSF funding is required.
   c. The applicant must have submitted major NIH or NSF grant (over 100K per year in direct costs) in the 24 months preceding this application, and that grant must have received a score (triaged proposals will not be considered for bridging).
   d. Applications must be accompanied by a copy of the extramural competitive renewal grant application (e.g. NIH, NSF etc.) to be bridged, a copy of the summary statement indicating the score received, and a one page narrative describing how the bridging funds will be used to specifically address concerns raised by previous review panels.
   e. Review criteria for Bridging grants includes prior scores and comments as well the extent to which reviewer comments were addressed.

2. **Seed Grants for Early Stage Faculty**
   a. Faculty appointment must have been made within 4 years of the submission date.
   b. Current total annual extramural support (federal and private) as principal or co-principal investigator cannot be greater than $150,000 of direct costs at the time of application. *Awards ending within 6 months of the date of submission to BBG will not count towards the limit.*
   c. Review criteria for seed grants is focused on significance, innovation and the likelihood the project will lead to future outside funding.

3. **Collaborative “High Impact” Grants**
   a. Current total annual extramural support (federal and private) as principal investigator cannot be greater than $150,000 of direct costs at the time of application.*Awards ending within 6 months of the date of submission to BBG will not count towards the limit.*
   b. High impact collaborative proposals from two or more Rutgers faculty members
   c. The likelihood that the collaborative proposal could develop into a multi-investigator grant application will be considered in the review.
   d. Preference will be given to proposals that involve collaborations with clinical faculty.
   e. Review criteria for collaborative grants is focused on the potential impact of synergistic interactions.

**OVERALL REVIEW CRITERIA:**
The proposal will be evaluated using the following criteria:

1. Significance of the proposed research and hypothesis.
2. Scientific evidence supporting the hypothesis to be tested.
3. Feasibility and adequacy of the procedures to be used in the research.
4. An explicit statement of the significance of the proposed study for human health.
5. Evidence of research experience of the PI and staff in the proposed research area.
6. Reasonableness of the budget in relation to the objectives, methods, approach, procedures and data analysis proposed.
7. Evidence that previous support has led or will likely lead to successful external funding.
IMPORTANT DATES:

- Submission website will open on February 21, 2017.
- Applications are due on or before March 21, 2017 at 5 p.m. EST.
- Funding Start Date: August 1, 2017
- Hard copy applications will not be accepted.
- Late applications will not be accepted.

Please note: If you experience problems with the electronic submission website, please contact Jacquelyn Williams at res-dev@rutgers.edu as soon as possible.

APPLICATION REQUIREMENTS & FORMAT **(Bridging)**

You will be required to upload each required document separately into the submission website. Required documents are as follows:

1. NIH Biosketch for PI and key personnel
   a. Use format currently required by NIH.
   b. Include Other Support
      i. List all external and internal research support regardless of relevance to this application, including pending applications. Give grant number, title, duration, amount for current year, total value of award, and source of support.

2. **PDF of prior NIH or NSF submission** that was scored but not funded.
   a. Only include the Specific Aims, Research Strategy and References sections

3. **Summary statement** (NIH) or review sheet (NSF)

4. **One page description** of how reviewer comments will be addressed, specifically within the budgetary constraints of a Busch Biomedical Grant.

5. **Budget**

6. **Budget Justification**

APPLICATION REQUIREMENTS & FORMAT **(Seed and Collaborative):**

- Except for the page limit (see below) Format and document requirements are identical to those specified for the NIH R21 mechanism. Please see the SF424 Forms version D instructions for details.
- Font: Arial 11 point. (A smaller type size may be used for figures and graphs but must be legible.)
- Margins: Use at least one-half inch margins (top, bottom, left and right) for all pages.
- Title: Limited to 81 characters including spaces (NIH Character limit).

You will be required to upload each document separately into the submission website. Required documents are as follows:

1. NIH Biosketch for PI and key personnel
   a. Use format currently required by NIH.
   b. Include Other Support
      i. List all external and internal research support regardless of relevance to this application, including pending applications. Give grant number, title, duration, amount for current year, total value of award, and source of support.
2. **Abstract**  
   a. Limited to 250 words.  
   b. Make sure your abstract is understandable to a scientist not familiar with your specific field of investigation.

3. **Specific Aims**  
   a. Limited to 1 page

4. **Research Strategy**  
   a. Limited to 4 pages (not including references, budget and budget justification)  
   b. Sections include (see SF424 guide for detailed suggestions):  
      i. Significance  
      ii. Innovation  
      iii. Approach

5. **Literature cited**

6. **Protection of Human Subjects**

7. **Vertebrate Animals**

8. **Select Agent Research**

9. **Multiple PD/PI Leadership Plan**

10. **Authentication of Key Biological and/or Chemical Resources**

11. **Budget**  
   a. Budget form can be found on the Research Portal:  
      [http://researchportal.rutgers.edu/node/231](http://researchportal.rutgers.edu/node/231)  
   b. Funds cannot be used for faculty salary, memberships, travel to meetings of professional societies, food, drink or lodging, or for the purchase of books or subscriptions.  
   c. Funds cannot be used to purchase major equipment (items over $5000)

12. **Budget Justification**

### REVIEW PROCESS

Expert reviews will be obtained by Rutgers faculty. Reviews and scores will be submitted online and a separate panel of faculty will review the comments and scores and make recommendations for funding in line with BBG funding priorities. The recommendations will be submitted for approval by the Senior Vice President for Research.

### SUBMISSION INSTRUCTIONS:

Online Application will be available on February 21, 2017. Please visit the Busch Biomedical Grant website via the Rutgers Research Portal here:  
[http://researchportal.rutgers.edu/node/231](http://researchportal.rutgers.edu/node/231)

### QUESTIONS:  Please contact Jacquelyn Williams at res-dev@rutgers.edu