HEALTHIER WORLD CHALLENGE IMPACT GRANT REQUEST FOR APPLICATIONS

<table>
<thead>
<tr>
<th>Impact Grant Award Amount:</th>
<th>Up to four grants of $250,000 per award</th>
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<tbody>
<tr>
<td>Submission deadline for Letter of Intent:</td>
<td>11:59pm, September 13, 2019</td>
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<tr>
<td>Submission deadline for Proposal:</td>
<td>11:59pm, October 11, 2019</td>
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<td>Anticipated award announcement:</td>
<td>Late November 2019</td>
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<tr>
<td>Grant Start Date:</td>
<td>Applicant will select a start date between January 1 and April 30, 2020</td>
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<tr>
<td>Grant Period:</td>
<td>Three years from selected start date</td>
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I. Description of the Impact Grant

The Alliance for a Healthier World (AHW) is an initiative integrating diverse expertise and perspectives to unlock groundbreaking knowledge and resolve the most complex global health equity challenges of our time. Scholars, researchers, and leaders from all disciplines – medicine, nursing, public health, international relations, engineering, education, business, the social sciences, creative arts, and bioethics – work side-by-side with partners and disadvantaged communities around the world to create a healthier, more equitable, and more just world.

The AHW Grant Portfolio is intended to foster the creation of research and practice collaborations involving faculty and students from across university divisions (schools), along with external partners, to address complex social and technical challenges that affect health equity or social justice challenge.

Why focus on healthy equity?

Health equity is about the fair achievement and capability for good health, and not simply the equal distribution of health care. Inequities in the social determinants of health – including socioeconomic status, education, the physical environment, employment, and social support networks – have wide-ranging effects on people’s health and survival.

Creating solutions to tackle these factors requires a diverse yet unified approach. It needs intentional effort to engage and unite our best minds not only in medicine, nursing, and public health, but also international relations, engineering, education, business, the creative arts, social sciences, and bioethics.
Areas for research and innovation

The AHW has identified four thematic areas where integrated approaches are particularly needed to address difficult and inter-dependent social problems; detailed descriptions of each theme are available on our website:

1. **Food and nutrition security**
2. **Healthy environments**
3. **Gender equity and justice**
4. **Transformative technologies and institutions (TTI)**

Applications do not need to be limited to these four areas, though we encourage you to think about how your applications link to the priorities and scope of our themes. AHW recognizes that there are many complex problems that lie outside these thematic areas. We invite all submissions that engage multiple disciplinary approaches to pursue health equity.
II. Purpose and Funding Description

The purpose of the AHW Impact Grant is to provide early stage funds for multiple disciplinary teams from divisions of Johns Hopkins who are ready to implement an intervention or solution in tandem with local partners and communities. Teams will have three years to undertake their proposed activities, develop plans for sustainability, and build capacity. Teams are encouraged to explore AHW’s themes and incorporate one or more into their research questions. All teams must involve co-leadership from health-science and non-health science divisions.

Teams are eligible to apply for an Impact Grant without previously applying for a Launchpad Grant. Receipt of a Launchpad Grant does not guarantee that a team will receive an Impact Grant. Funding is available for up to $250,000 for use over three years.

Applicants are encouraged to consider one or more of the themes as an area on which to focus solutions to complex problem of health equity or social justice that require a multiple disciplinary approach. For example, developing a culturally acceptable improved cook stove can reduce indoor air pollution and save household costs on energy. In the context of a humanitarian crisis, it can reduce the amount of time women or children spend searching for wood outside a safe zone, and thereby reduce exposure to violence. Such an approach would bring together social scientists, engineers, public health professionals, and community organizations. Further examples are available at ahealthierworld.jhu.edu/our-work.

With the Impact Grant, teams are expected to implement their proposed solution over three years, making progress toward the objectives described in their proposal. During the grant period, teams will also be expected to prepare plans for follow-up of the project (e.g. addressing integration, revision, scale-up, or cancelation of an intervention), including related policy/program influence and fund-raising. Teams will explain how they expect to sustain, expand, or deepen the strategies to support institutions, financing, and other capabilities that are part of their health equity or social challenge solutions.
III. Impact Grant Eligibility Criteria

Teams of full-time JHU faculty or staff who are eligible to serve as PIs for grants in their division or school are eligible to apply. All teams must meet the following criteria:

1. **Multidisciplinary leadership**: Each grant will be led by **two** co-Principal Investigators. Co-Principal Investigators (co-PIs) must be full-time JHU faculty or staff members who are eligible to serve as a PI for grants in their division or school. **One co-PI must come from a non-health science school or entity, and the other from a health sciences school or entity** (see table below). At least **three divisions of JHU must be represented in the proposed faculty/staff study team**. If you have a question about a faculty member’s eligibility, please contact us at ahealthierworld@jhu.edu. Applications should involve jointly developed multiple-disciplinary approaches. More diverse collaborations and applications from junior faculty/staff are encouraged. Faculty or staff who have previously been awarded or participated in an AHW grant may apply provided the submission is on a different topic from their earlier grant. Each co-PI will be requested to submit a letter of support from their relevant dean or department chair.

2. Applications should be able to articulate potential impact and/or innovation in the field of global health equity.

3. Applicant teams must include a minimum of two enrolled JHU students and applications must demonstrate how students will play an active role in the project. Students can come from any division. Teams can also engage students from other institutions, but they will not fulfill this criterion. **Students cannot be used to satisfy the multiple-disciplinary leadership requirement (see Criterion #1)**.

4. Applications should involve one or more partners outside of JHU. Partners may include government agencies, community-based or non-profit organizations, private-sector corporations, community leaders or advocates, or other academics that are active in the area of interest.

5. Applicants may focus their proposal on a single country or multiple countries. Innovative applications focusing on a marginalized population will typically be in a low- and middle-income country but may include the United States – including Baltimore – or American Indian (First Nations) communities.

<table>
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<tr>
<th>Health Sciences Schools &amp; Entities</th>
<th>Non-Health Sciences Schools &amp; Entities</th>
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<tr>
<td>School of Medicine</td>
<td>Applied Physics Laboratory</td>
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<tr>
<td>School of Nursing</td>
<td>Carey Business School</td>
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<tr>
<td>Bloomberg School of Public Health</td>
<td>Krieger School of Arts and Sciences</td>
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<tr>
<td>Berman Institute of Bioethics</td>
<td>Paul H. Nitze School of Advanced International Studies</td>
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<tr>
<td>Jhpiego</td>
<td>Peabody Institute of Music</td>
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<tr>
<td><strong>Whiting School of Engineering</strong></td>
<td>School of Education</td>
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<tr>
<td><em>(Biomedical Engineering (BME) or Environmental Health and Engineering (EHE) groups)</em></td>
<td><strong>Whiting School of Engineering</strong> <em>(Non-biomedical and non-environmental health divisions)</em></td>
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IV. Impact Grant Proposal Requirements

Use of Award Funds
Impact Grant funds are to cover direct project costs only (e.g. supplies, travel, printing materials, review existing research and literature) budgeted for up to a three-year period. Funds cannot be used for lobbying activities or retrospective payments (i.e. travel or other costs that were incurred prior to the start date indicated in the award terms for an Impact grant). There are no indirect costs. The proposal review committee and/or AHW may seek budget adjustments and additional project clarifications before making final decisions.

A note about salaries
Impact Grant funds may be used to support the salaries of Johns Hopkins faculty, staff, consultants, external collaborators, and students where needed. There is no cap for salaries.

V. How to Apply

General information
All applying teams need to complete a two-step application process to be eligible:

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<tr>
<th>Step</th>
<th>Description</th>
<th>Due Date</th>
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<tr>
<td>Step 1</td>
<td>Submit a Letter of Intent (LOI)</td>
<td>September 13, 2019 (11:59pm)</td>
</tr>
<tr>
<td>Step 2</td>
<td>Submit full proposal</td>
<td>October 11, 2019 (11:59pm)</td>
</tr>
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All completed applications should be submitted via the following site: https://jhualliance.fluidreview.com/prog/impact_grant/. No late applications will be accepted. Applications should follow the naming convention and formatting requirements described below.

Step 1 – Letter of Intent
All interested parties must submit a Letter of Intent (LOI) by 11:59pm EST on September 13, 2019 (updated from original date of August 30) addressing the following five questions and one summary statement:

1. What JHU divisions will be represented on your team? (This response can be preliminary, and will be used to provide feedback on the quality of division diversity)
2. How will your proposal address a critical health equity problem?
3. How will your proposal actively include members of a community experiencing the health equity problem described in #2?
4. What gaps are there (if any) in solutions or actions to address the problem described in #2?
5. Which JHU division(s) do you feel are best suited to review this proposal?
6. Please describe in one sentence the compelling health equity issue at the core of your proposal.

The purpose of this letter is to 1) allow AHW to provide feedback on proposed projects and 2) identify appropriate reviewers for the anticipated project topics. You will not receive a formal invitation to submit a full proposal after submitting your LOI and you may move directly to preparing your full proposal. Letters should be between 1-2 pages.
**Step 2 – Full Proposals**

Full proposals should be submitted as **one PDF file** in the following order:
1. Cover page
2. Abstract
3. Project narrative
4. APPENDIX A: Project work plan
5. APPENDIX B: Budget and narrative
6. APPENDIX C: Letter of support from dean or department chair
7. APPENDIX D: Letter of support from collaborating organizations
8. APPENDIX E: Project organizational chart
9. APPENDIX F: Resumes or curricula vitae (CVs) of key personnel
10. APPENDIX G: References

Details about each are provided in the next sections.

**Application Format**

Both LOIs and proposals must be type written, using 12pt Calibri, Arial, or Times Roman font, 1-inch margins on all four sides, and **single-spaced** narrative. Applications **must** be submitted as a single PDF document saved with the following naming convention: **2019 - Healthier World Challenge Impact Grant – [Co-PI Last names].**

Applications should be concise, avoid jargon, spell out acronyms when used for the first time, and must include the following within the defined page limits (page limits **include** figures and tables):

**Cover Page (1 Page)**
- Title of the proposal
- Names of Co-Principal investigators, other co-investigator(s) or study team members, students, and external collaborators.
- Contact information for the applicant team (phone & email)

**Abstract (1 Page)**
- A summary of the project (300 words or less)

**Project Narrative (12 Pages)**

All proposals must clearly include the following (use clear, recognizable section headers):
1. **Problem statement:** The problem statement should describe the nature of the challenge to be addressed, the setting of the proposed work, and a summary of the proposed approach to addressing the challenge, while demonstrating current knowledge about the issues. Applications should clearly describe how their proposal will address issues of health equity and/or social justice.
   a. **Please Note:** the justification that the problem is a health equity issue **solely because it occurs in a low-resource setting is insufficient.** We are looking for details on how specific populations are disproportionately affected.
2. **Project description:** The project description should include the following elements:
   a. Project goals and objectives
   b. Key contextual issues
c. **Theory of change, logic model, or conceptual framework.** This should outline the key theoretical assumptions, assumptions about capacity or implementation, and proposed pathways towards the intended outcomes. **Projects should specifically articulate how their proposed interventions will effect change for specific communities that are disproportionately affected by the stated health equity problem.** We do not assume that a technology, health care or social intervention will automatically reach disadvantaged people, even if it is implemented in a low-income setting or is intended to address health conditions that are common among the poor. The logic model should include explicit reference to effects on health equity/social justice, as defined by the team.

d. **Intended outcomes of the project.** Summarize the main results of the project, including the project contributions toward health equity and/or social justice. Applicants should explicitly describe how health equity/social justice outcomes will be measured or otherwise assessed.

e. **Methodological approach.** This should describe the methods used for research, intervention, monitoring & evaluation, and/or policy and program influence, as is appropriate for the proposed project. Applicants should explicitly explain methods to address health equity/social justice, including how disadvantaged populations will be engaged in relevant processes.

f. **Summary of work plan.** Details of milestones, timeline, and responsibilities provided in Appendix A.

3. **Potential for innovation and impact:** Describe how this project will impact health equity and/or social justice in terms of scale and scope, and how this project will contribute to innovation and/or knowledge.

4. **Description of collaboration and multiple disciplinary approach:** Describe the roles for JHU team members, including students, and how disadvantaged populations and local partners will be involved. Groups should describe how they will foster intra-group collaboration. Applications should indicate why a multiple disciplinary approach will be relevant for the proposed problem they will address.

5. **Research translation:** Describe how the project team will ensure that the research is accessible and useable for key audiences, including policy-makers, beneficiary communities, practitioners, and other researchers. Describe your dissemination or research uptake plans to share your work with both scientific and non-scientific audiences.

6. **Long-term planning and sustainability:** Describe how the project team will prepare for follow-up of the project after completion of the grant. This may include an exit strategy, or other approaches to sustainability, such as integration into other programs, revision of an existing strategy, or structured review to assess cancelation, revision, or scaling-up. Plans should address issues of future financing, explicitly identifying potential sources of funding where possible, as well as future organizational or social requirements, or other ongoing support needed.

A work plan, budget (see template on AHW website, details below in instructions for Appendix B), organizational chart, resumes and/or CVs, letters of support from partner organizations, and references should be submitted in the following appendices:
APPENDIX A: WORK PLAN (2 PAGES)
The detailed work plan may be in the form of a Gantt chart or other format that clearly and concisely conveys project activities, anticipated due dates and persons responsible for each activity. The timeline should provide plans for IRB review*, if applicable. The work plan should directly align to the description included in the project description.

*A note about IRB review: IRB approval or exemption is not required for submitting an application but is required in advance of the project start date. Please provide plans for IRB approval or exemption from all relevant IRB bodies in the event of funding.

APPENDIX B: BUDGET TEMPLATE (NO PAGE LIMIT)
Please complete the provided budget template available under the Impact Grant page on the AHW website. Teams should also include a budget narrative with detailed explanations for the budget items. Note that indirect costs cannot be charged for this award.

APPENDIX C: LETTERS OF SUPPORT - JHU
Please attach signed letters of support from the dean or department chair for each Co-Principal Investigator. The letter needs to indicate that the Co-Principal Investigator must be affiliated with Johns Hopkins University for the term of funding requested.

APPENDIX D: LETTER OF SUPPORT FROM COLLABORATING ORGANIZATIONS
Please attach a signed letter from external collaborating organizations.

APPENDIX E: PROJECT ORGANIZATIONAL CHART (1 PAGE)
The organizational chart will visually describe which individuals and organizations are part of the project team, and briefly describe their role and responsibilities. All study team members (including students) should be included.

APPENDIX F: RESUMES OR CVS
Please attach resumes or CVs (up to 4 pages per document) for the Co-Principal Investigators, main Co-Investigator(s), and local collaborator(s).

APPENDIX G: REFERENCES (NO PAGE LIMIT; UP TO 25 REFERENCES)
Please include citations using a generally accepted citation format (APA, MLA etc.).

VI. Application Review Process
All applications will be reviewed by a committee of AHW staff and faculty representing various academic divisions of Johns Hopkins who have expertise in the thematic areas and/or topic areas indicated in the LOIs. Each application will be reviewed independently by a minimum of two reviewers and awarded points per the criteria below. Top scoring proposals will be submitted to the entire committee for a qualitative review and award decision. Applications will be evaluated on the following criteria:

1. Approach to the problem: The extent to which the proposed project describes a complex health equity or social challenge, and how it will be addressed. How strong are the methods for research and/or application of research? Does the team bring together three unique JHU
divisions? How strong is the collaborative approach between JHU team members, external partners, and disadvantaged populations?

2. **Potential for impact and innovation:** How strong is the ability of the project team to implement the project and achieve the proposed outcomes? What is the potential impact of the project with respect to health equity and/or social justice? What is the potential innovation or contribution to knowledge?

3. **Long-term planning:** How strong is the proposed approach to what happens after the project – the sustainability of project efforts or outcomes?

Incomplete or late proposals will not be considered.

**VII. Requirements for Successful Applicants**

All award recipients will be expected to commit to the following:

1. Provide biographical statement(s) and a project description for the AHW website.

2. Participate in AHW-sponsored activities when possible, including attending AHW sponsored events or meetings on topics related to the research project. This may involve having documentary films, essays, or creative works produced for your project by other Hopkins faculty, students, and partners.

3. Submit to the AHW annual progress & financial reports as well as final reports that will provide data for AHW’s monitoring and evaluation efforts and outline the project’s accomplishments, including impacts on policy and plans for continuation of the research through applied-for or received external funding, and a summary of use of grant funds at project completion. Templates for reporting on interim progress and final evaluation will be sent to funded teams soon after awards are made.


5. Provide copies of working papers/publications, policy briefs, or other deliverables identified in agreement with AHW resulting from the funded project for posting, and within 12 to 18 months of the award.

6. Notify AHW of specific outcomes from the project (e.g., publications, further collaborations, further research funding, awards, legislative or policy actions, etc.) within six months of project or grant completion

Teams will also be expected to adhere to all financial policies and compliance requirements. Full terms will be available to and must be agreed to by awarded teams prior to funds transfer.