

Broadening Participation Initiative

Through this call, the Department of Psychology commits \$200,000 to support its mission to broaden participation in science. By **Broadening Participation** we aim to break down or eliminate barriers that impede science and those who wish to participate in science. This initiative will broaden access by decreasing the cost of education; address the growing need to conduct science in a way that maximally benefits both the local community and the world's 7.8 billion inhabitants; and increase the involvement of individuals from diverse backgrounds and experiences in the process of doing science. Eight funding opportunities within three broad themes will be supported:

Theme 1: Broaden Access to Education

- 1. Broadening Access to psychology through Open Education Resources (OER).

Theme 2: Broaden Participation through Research Activities

- 2. Broadening Participation through community engaged research: Resource development grant
- 3. Broadening Participation in Science: Open Science Training.
- 4. Broadening Participation through diverse sampling

Theme 3: Broaden Participation through Training and Mentoring

- 5. Broadening Participation in Science: PREP Placement.
- 6. Broadening Participation in graduate education.
- 7. Broadening Participation post-doctoral training fellowship.
- 8. Graduate student dissertation improvement grants

Application Cover Sheet (see end of document)

Submission instructions: Compile all materials into a single pdf. File name should be in the following format:

Theme_X_Opportunity_Y_FirstnameLastname.pdf,
where X={1,2,3} and Y={1,2,3,4,5,6,7,8}

Submissions can be uploaded to BOX using this link
<https://umd.box.com/s/5xfezl8j3onzvivlvqgx9dqcc854bmmh>
(email: jensan@umd.edu for questions about uploading)

Theme 1: Broaden Access to Education

1. Broadening access to psychology through Open Education Resources (OER).

According to the College Board, students spend over \$650 *per semester* on textbooks, adding significantly to the financial stress many students already experience due to rising tuition costs. Open Education Resources (OER) are one way to reduce the financial burden of higher education on our students; reducing costs, lowers the financial barriers of college and increases accessibility. The grants provided under this mechanism will support the development of free and openly available resources for undergraduate courses. OER materials can be copyrighted under a creative commons license and can be made freely available without violation of publisher copyrights. Recipients will be connected with library staff (Lindsay Carpenter & Jordan Sly) who can provide advice on tools, help with understanding copyright and other licensing options, and provide advice on distribution.

Wondering how OER can impact students? See these resources.

<https://lib.guides.umd.edu/oer>

<https://www.usmd.edu/cai/open-educational-resources>

<http://www.oer-maryland.org/>

Application requirements (adapted/borrowed from [M.O.S.T.](#)).

The project proposal must address the following:

- Include a vision, plan, and evidence of commitment to support incorporating OER more systematically into the curriculum as well as creating tighter connections between OER use and evidence-based teaching practices.
- Explain how the work will be sustained long term after the grant ends.
- Provide a plan for assessing project outcomes (both in terms of cost savings/return on investment and student learning).
- A plan to meet with UMD librarians

Projects should focus on the ways to replace traditional textbooks or other costly material or the creation of freely available (and open) teaching material integrated with open-source software.

Competitive projects have the following features:

- Are openly licensed with a Creative Commons 4.0 International License.
- Are fully accessible according to WCAG 2.0 and WCAG 2.1 Standards.
- Are openly and freely available outside their delivery platforms.
- Provide students with day-one access to their learning materials.
- Allow students to retain access to the OER content after the course is completed.
- Are continuously updated and maintained.
- Are easily discoverable.
- Proposals that eliminate all costs of instructional materials are preferred
- Serve a large number of students

Eligibility. Tenure- or professional- track faculty in psychology. Faculty may apply alone or as teams. Inclusion of graduate students as part of a faculty-student team is encouraged.

Funding (Max \$7,500): Summer support of \$5,000 for PI(s). This is split for multiple PIs (e.g., 2 PIs would each get \$2500).

Graduate student support of \$2,500.

Proposal length: Application Cover Sheet (see end of document) + 2 page max proposal + proposed budget

Anticipated number of awards made: 4-5

Final report required: Yes

Submission Deadline: May 15, 2021 for best consideration, rolling basis thereafter depending on availability of funding

Theme 2: Broaden Participation through Research Activities

2. Broadening participation through community engaged research: Resource development grant

A fundamental mission of the University of Maryland involves our connection to the broader Prince George's County community. This particular call for proposals is focused on the development of resources needed to support community engaged research. Community engaged research involves a partnership between scientists and the community aimed at identifying, improving, understanding or investigating an issue of mutual interest/concern of both the researcher and the community in which the research takes place. Many problems of societal significance fit this description. Through this call, the department will support the development of the infrastructure or other resources needed to foster a meaningful and deep relationship with the broader community to develop trust and a collaborative partnership. In order to maximize the impact of this grant, projects must involve multiple faculty within the psychology department and ideally at least one faculty from another UMD-College Park unit. No cost share is required of the other unit; though it is expected that the developed resource will ultimately benefit a broad set of users.

Eligibility: Teams must include 2 or more tenure-track faculty members. Preference is given to projects that involve PIs from other Units as part of the team.

Funding: Up to \$30,000; Funds cannot be used for salary support of PIs, for academic-year graduate assistantships, or for post-doctoral students. Summer graduate RA support is discouraged, but if proposed must be well justified and shown to be necessary. Funds must be used within 2 years of the award.

Proposal length: Application Cover Sheet (see end of document) + 5 page max + 1-page detailed budget

Anticipated number of awards made: 1

Final report required: Yes

Submission Deadline: June 1, 2021

3. Broadening Participation in Science: Open Science Training.

Broadening participation is one of the bedrock principles underlying the open science movement. Open science broadens participation in science by eliminating barriers to scholars across the world and citizen scientists who do not normally have access to the multitude of research products produced by scientists. Lack of access is particularly acute for scientists (and citizens) in non-westernized nations, but also for scientists at smaller (westernized) institutions that lack resources. Increasing access to science and the use of open science protocols not only invites more people to engage in science, it also increases reproducibility, accelerates science, and builds trust in science through transparency. The need and benefit of open science was laid bare by the COVID-19 pandemic, as we witnessed an unparalleled collective effort

amongst the scientific community to address the disease. This grant initiative is aimed at increasing faculty and graduate student engagement in open-science practices. Awards will be made to fund activities that foster a *sustained* culture of open science within individual labs and/or more broadly across the department. Example projects include: (a) the development of research protocols/pipelines that will transform laboratory practices, (b) the creation and dissemination of training materials for use of open science tools or methods, (c) development of a departmental open-science resource page, (d) attendance of [train-the-trainer](#) open science workshops. Applications should include a description of the proposed activities, a sustainability plan, and a dissemination plan.

Eligibility: Faculty, post-docs or graduate students

Award amount: up to \$5000, depending on activities

Proposal length: Application Cover Sheet (see end of document) + 2-pages+detailed budget

Anticipated number of awards made: 2-4

Final report: Yes; and delivery of workshop to department if appropriate

Submission deadline: June 1, 2021, *rolling basis thereafter depending on availability of funds*

4. Broadening participation through diverse sampling

Many psychological studies lack sufficient diversity in their samples, yet it is not uncommon for authors to make broad claims about their research findings. This mechanism supports the development of research sampling protocols to enhance diversity in psychological research. Funds may be used as research incentives for participant recruitment, but other proposals will also be entertained.

Eligibility: Professional track or tenure-track track faculty (inclusive of post-doctoral students). Projects must include graduate students or must be faculty research projects that involve UG students. This is not intended to support UG research projects. Mentored graduate student research is eligible, but the mentor must submit the application. Only 1 proposal from each lab will be considered.

Funding amount: Up to \$2500 per proposal (limit 1 per PI)

Proposal length: Application Cover Sheet (see end of document) + 1 page max + proposed budget

Anticipated number of awards made: 5-10

Submission deadline: June 1, 2021, *rolling basis thereafter depending on availability of funds*

Theme 3: Broaden Participation through Training and Mentoring

5. Broadening Participation in Science: PREP Placement.

This grant provides \$1000 to eligible undergraduate students to participate in a summer research lab in Summer 2022. Funding is provided through the student awards system.

Eligibility: Undergraduate students participating in the PREP program.

Award amount: \$1000 for students

Anticipated number of awards made: 5

Application: *Students* must submit a 1-page description of the research project that they will be carrying out. *Mentors* must provide a description (1-page max) of how they will engage with the student during the summer, including a plan to meet with the student on a regular basis. Mentors may be either tenure-track or professional-track faculty. Application Cover Sheet (see end of document)

Final report required: No

Submission deadline: TBD

6. Broadening participation in graduate education.

This initiative will provide funding to faculty or faculty/graduate student teams to develop a plan to create a department-wide graduate student diversification program. This project provides up to \$10,000 to support the development of diversity recruitment weekend. Note that these funds support plan development. Additional funding for an approved plan will be provided jointly through the psychology graduate office and the department.

Funding: \$10,000. Funding may support faculty and graduate students for the summer.

Proposal length: Application Cover Sheet (see end of document) + 1-page max proposal + 1 page max budget plan.

Anticipated number of awards made: 1

Final report required: Yes. Report should include a recruitment plan (who will participate, how will you recruit), how the recruitment event will be delivered (online versus face to face), a detailed schedule of events, a sustainability plan, and a proposed budget for the event.

Application deadline: July 1st, 2021

7. Broadening participation postdoctoral training fellowship.

This initiative builds on the campus Presidential Postdoctoral Fellowship Program (PPFP) with the aim of broadening participation of historically underrepresented groups and first-generation

college students. The department will develop an advertisement in Fall 2021 to advertise for applicants for the PFP. Faculty interested in sponsoring a student will need to indicate their interest in doing so by time of ad placement. Because the PFP is highly competitive with only a few awards provided each year, the Department of Psychology will be prepared to support an eligible PFP scholar independently of campus support. Faculty applying to participate as a sponsor must develop a plan to engage in career development activities and research mentoring of students, including scheduled meetings, mentoring activities, and the creation of a career development plan.

Timeline (tentative): Faculty must apply by August 1, 2021 to participate as a prospective mentor. Faculty applications will be reviewed and selected to be included as part of the advertisement materials. An advertisement will be placed in relevant outlets on September 1, 2021. Application deadline will be December 1, 2021. Review and selection of applications will be conducted by a committee of faculty not participating in the program. Final approval will be made by the chair. If the chair is a potential PFP sponsor, authority will rest with a non-participating associate chair.

Faculty mentor application: Faculty interested in participating in this program must apply to have their labs listed in the position advertisement. Faculty applications must include the following.

- A description of individual career development planning activities with which you will and the mentee will engage
- A mentorship plan and associated activities
- A plan for engaging the mentee in the broader departmental and campus community
- Commitment to cost share research funds (applies only to faculty with DRIF or grant funds)

Total funding: \$75,200 (\$54,000 +30%fringe = \$70200 salary; 5,000 research funds (1-year of funding)

Anticipated number of awards made: 1

Application deadline: TBD

8. Graduate student dissertation improvement grants

Eligibility: *PhD students* actively working on their dissertation research projects. Must have advanced to candidacy. Preference will be given to applicants further along in their graduate career.

Funding: Up to \$3000. Funds must be used to support research costs (not salary). Examples include costs associated with subject incentives, research materials/supplies, and other incidentals. Graduate mentors are expected to cost share if DRIF funds are available.

Proposal length: Application Cover Sheet (see end of document) + 1 page max + 1-page (max) budget plan+Support letter from mentor (1-paragraph)

Additional information: Confirmation from graduate director that candidate has advanced to candidacy at the time of submission

Anticipated number of awards made: 5 (no more than one candidate from each area will be funded in any given year)

Application deadline: August 1, 2021

Application Cover Sheet

1. Name of proposer:
2. Names of all faculty (TTK, PTK, Postdoctoral students) involved in the proposed project:
3. Names of graduate students involved in the proposed project (if applicable)
4. Which theme and opportunity are you applying for (check one)

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5. Total requested funds:

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