

Broadening Participation Resources for Faculty on www.PathwaysToScience.org

www.PathwaysToScience.org gives faculty and administrators access to resources that can assist them in their efforts to reduce barriers to participation, create environments rich in the positive factors that support student success on the STEM pathway, and conduct outreach to underserved communities and underrepresented groups by implementing recruitment and retention strategies that broaden participation and increase diversity.

IBP's mission is to increase diversity in the Science, Technology, Engineering and Mathematics (STEM) workforce. We design and implement strategies to increase access to STEM education, funding, and careers, with special emphasis on reaching underserved communities and diverse underrepresented groups.

For more information visit www.pathwaystoscience.org or contact the Institute for Broadening Participation at contactus@ibparticipation.org

#1: Post your program or opportunity on www.PathwaysToScience.org.

PathwaysToScience.org features **1,500+ research, funding and professional development opportunities**, from high school through post doctoral and early career level, searchable by discipline, keyword, institution or geographic area.

IBP staff and Regional Specialists publicize the postings on PathwaysToScience.org by conducting direct, **face-to-face outreach and presentations to underrepresented students and faculty at 50+ conferences per year** (such as AISES, SACNAS, the CA Forum for Diversity, SHPE, ERN, WEPAN, and NABGG) and via **90,000+ emails per year to students in our National Student Directory, over 70% of whom are self-reported URM¹**.

IBP's face-to-face and virtual outreach, combined with an additional 8 or so webinars per year, results in **130,000+ visitors per month** during peak months. **Take advantage of our outreach!**

➔ **To post your program or opportunity, go to PathwaysToScience.org and click on "[Post your Program](#)."** It is easy to post your opportunity, and it is easy to update - we send out annual reminders to program contacts.

¹ Native Americans, Alaska Natives, Blacks or African Americans, Hispanics, Native Hawaiians, other Pacific Islanders



#2: Support your students with professional development resources on www.PathwaysToScience.org.

- ➔ **Encourage underrepresented students to use the search tools on PathwaysToScience.org** to help them find what comes next: next year's summer research, grad programs, scholarships and fellowships, professional development opportunities, or post doc placements. With 1,500+ postings, there is something for everyone.
- ➔ **Encourage underrepresented students to join the National Student Directory** to receive customized reminders about funding opportunities and upcoming application deadlines delivered to their inbox. The [Sign Up](#) form is right on the PathwaysToScience.org homepage, and immediately puts resources into students' hands that will help them bridge to future STEM opportunities and succeed in their long-term aspirations.
- ➔ **Use the professional development handouts for students in the Resources Toolbox** – from *“The Benefits of an Undergraduate Summer Research Experience”* and *“Discussing Summer Research with Your Family,”* to *“Getting Strong Letters of Recommendation”* and *“The Difference Between the Grad and Undergrad Experience,”* to *“Questions to Ask with Choosing a Postdoc Advisor”* and *“How to Negotiate a Postdoc Position,”* we created these materials so that you don't have to!

#3: Tap resources on www.PathwaysToScience.org to support your recruitment, retention and partnership-building efforts.

- ➔ **The Online Mentoring Manual**, a resource for students, faculty and program directors
- ➔ **The Online Diversity Reference Library**, an annotated list of peer-reviewed articles, seminal studies, and intervention studies related to broadening participation in STEM
- ➔ **The Partners Directory**, a database of 14,500+ faculty and staff at STEM programs across the country, including NSF AGEP, ADVANCE, GK-12, HBCU-UP, IGERT, LSAMP, McNair, MS PHD'S, PAESMEM, PIRE, RDE, REU, STC, and TCUP, and NASA, as well as programs and departments at community colleges, historically black colleges and universities (HBCUs), Hispanic serving institutions (HSIs), and tribal colleges and universities (TCUs)
- ➔ **The Resource Toolbox**, with draft templates and short, topic-based handouts from *“Growing Diversity Awareness and Cultural Competency in Academic Environments”* to *“Designing for Success: Positive Factors that Support Student Success in STEM.”*

We'd love to hear your thoughts about this information! Please take a few seconds to share your ideas at https://www.surveymonkey.com/r/BPResources_for_Faculty_Actions



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