




# Broadening Participation




How YOU can get involved to help train and engage a diverse (and growing) pool of individuals to move science forward

- Directorate for Biological Sciences → ➤ BIO
- → Division of Biological Infrastructure → ➤ DBI
- → Division of Environmental Biology → ➤ DEB
- → Division of Integrative Organismal Systems → ➤ IOS
- → Division of Molecular and Cellular Biosciences → ➤ MCB



National Science Foundation  
WHERE DISCOVERIES BEGIN





▶ Broadening participation can be an element of broader impacts, which is part of the overall merit review process used at NSF. The goal is to discover and nurture talent wherever it may be found.

# What is Broadening Participation?



At NSF  
this means **reaching out** to:

#### INDIVIDUALS

- From a wide range of underrepresented groups

#### INSTITUTIONS

- With diverse research and instructional goals and practices, including community colleges, minority serving institutions, predominately undergraduate institutions, women's colleges, and institutions for people with disabilities

#### GEOGRAPHIC AREAS

- With lower rates of participation in NSF programs

#### RESEARCHERS

- Seeking NSF funding may propose nonexclusive, nondiscriminatory strategies to broaden the participation of individuals who belong to underrepresented groups including:

- Alaska Natives
- Native Americans
- Black or African Americans
- Hispanics
- Native Hawaiians
- Other Pacific Islanders
- Persons with Disabilities
- Veterans



# Broadening Participation Programs at NSF

› Research Assistantships for High School Students | RAHSS

› Research Experiences for Teachers | RET

› Research Experiences for Teachers Sites in Biological Sciences | BIORETS

› [www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=505902&org=NSF&sels\\_org=NSF&from=fund](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505902&org=NSF&sels_org=NSF&from=fund)

› Research Experiences for Undergraduates | REU

› Encourage undergraduate biology students to apply directly to REU sites. See searchable list at:

› [www.nsf.gov/crssprgm/reu](http://www.nsf.gov/crssprgm/reu)



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➤ **Mid-Career Advancement (MCA)**

- Aimed at providing protected time and resources to established scientists and engineers at the Associate Professor rank (or equivalent) stage. Information at:
- [www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=505749&org=DEB&sel\\_org=DEB&from=fund](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505749&org=DEB&sel_org=DEB&from=fund)

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➤ **Postdoctoral**

- Encourage postdoctoral scholars to apply for the Broadening Participation area in the Postdoctoral Research Fellowships in Biology Information at:
- [www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=503622](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503622)



# Tips → To Get Started

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- ▶ Mentoring is a key source of academic and social support — enhance your skills mentoring diverse groups
  - ▶ Partner with minority serving institutions, community colleges, women’s colleges, or institutions for people with disabilities
  - ▶ Work with your university’s offices for outreach, disabilities, or assessment
  - ▶ Use resources available through many national organizations

## ▶ NSF BROADENING PARTICIPATION PORTFOLIO:

- ▶ Includes capacity building, centers, partnerships, and alliances, as well as research
- ▶ Examples found at:
  - ▶ [www.nsf.gov/od/broadeningparticipation/bp\\_portfolio\\_dynamic.jsp](http://www.nsf.gov/od/broadeningparticipation/bp_portfolio_dynamic.jsp)



## → Resources

- ▶ **Society for Advancing Chicano and Native American Scientists | SACNAS**  
▶ [www.sacnas.org](http://www.sacnas.org)
- ▶ **American Indian Science and Engineering Society | AISES**  
▶ [www.aises.org](http://www.aises.org)
- ▶ **Advancing Research Impact in Society | ARIS**  
▶ [www.researchinsociety.org](http://www.researchinsociety.org)
- ▶ **INCLUDES National Network**  
▶ [www.includesnetwork.org](http://www.includesnetwork.org)
- ▶ **National Network of Education Research-Practice Partnerships | NNERPP**  
▶ [nnerpp.rice.edu](http://nnerpp.rice.edu)

# Learn More

Keep up-to-date on programs and funding opportunities that help train and engage a diverse pool of individuals to move science forward.



BIO Homepage  
[www.nsf.gov/dir/index.jsp?org=BIO](http://www.nsf.gov/dir/index.jsp?org=BIO)

NSF Broadening Participation Programs  
[www.nsf.gov/od/broadeningparticipation/bp.jsp](http://www.nsf.gov/od/broadeningparticipation/bp.jsp)



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