

A stylized, geometric illustration of three figures in academic regalia. The central figure wears a red robe with a blue vertical stripe and a gold collar. The figure to the right wears a blue robe with a white collar. The figure to the left wears a grey robe with a purple collar. They are all wearing mortarboard caps. The background is a mix of blue and yellow geometric shapes.

# **Future of Education Research at the Institute of Education Sciences in the US Department of Education**

**Webinar & Discussion  
Institute of Education Sciences (IES)  
&**

**National Academies of Sciences,  
Engineering and Medicine**

**July 7, 2021**

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# Webinar Facilitator

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# Webinar Overview



**Barriers Facing URM  
Students and  
Significance of Pipeline  
Programming**

1



***Overcoming Barriers  
Intrainstitutional  
Connections***

2



**Internal/External  
Collaborations & Research  
Initiatives**

3

# Barriers Facing Collegiate URM Students & Solutions

## Barriers

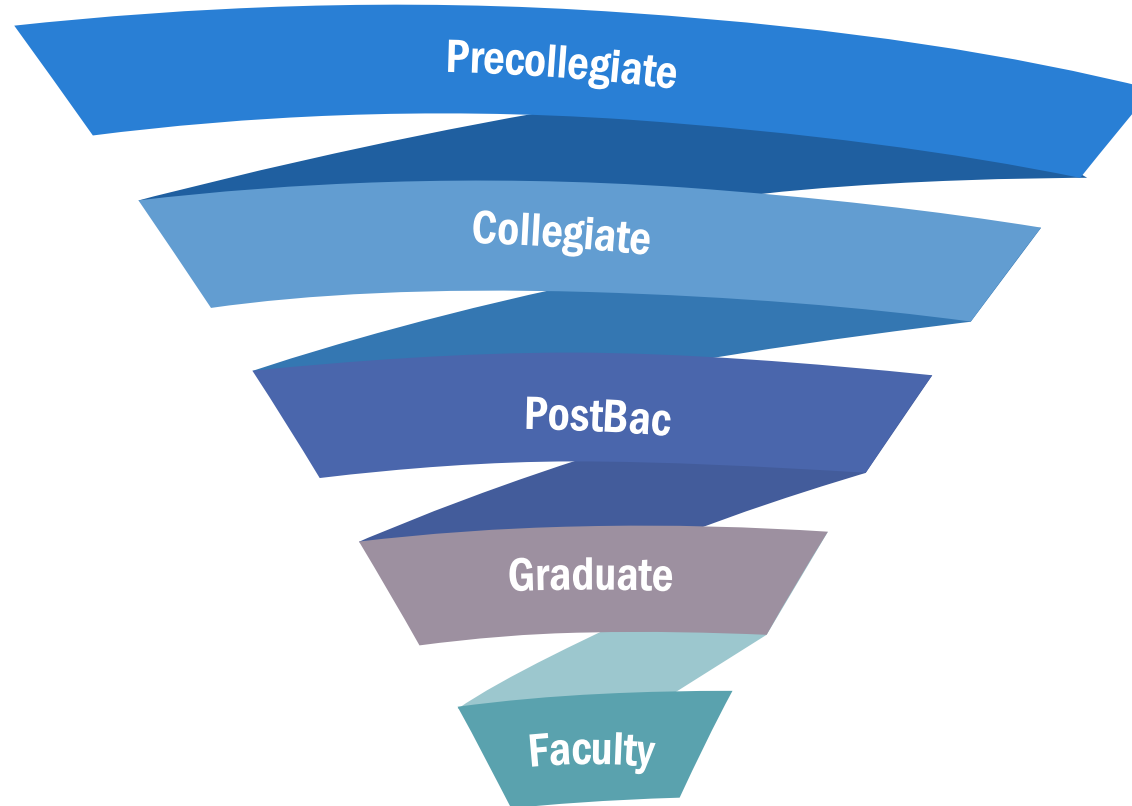
- Academic Preparation
- Mentorship
- Stereotype Threat
- Advising
- Lack of a Sense of Belonging
- Awareness of Academic Culture
- Socioeconomic Status

## Solutions

- 1) Forming Intra-institutional and external partnerships
- 2) Providing tailored student support / academic success
- 3) Engaging faculty / institutional change

Toretsky, Mutha, & Coffman 2018;  
Byrd & Mason 2021

# Awareness & Connecting URM Programming



# Contextualizing URM Programming

Pipeline Level	Program Types	Sponsor
K-12 Collegiate Post Baccalaureate Graduate Postdoctoral Faculty	CUREs REUs Summer Bridge Programs (Summer) Research Programs Summer Enrichment Programs Workshop Series/ Conferences	Laboratory Department Institutional Grant-Funded Alliances Consortia

# Internal Pipeline Programming

## UGA Pipeline Programming-Example





# Funding to Support Pipeline Initiatives

## Intra-Institutional Programming

- ▶ Support to MSIs, HBCUs, HSI, Tribal Colleges Supplied with mentors (not only PSIs)
- ▶ Required Infrastructure of programming to support students and faculty
  - ▶ Early Identification System
  - ▶ Data Driven
- ▶ Centers on Undergraduate Research, and Programming to supporting advancement into graduate study
- ▶ Partnerships with Graduate Schools and Programming
- ▶ Near Peer and Peer Mentoring

## Specific Types of Programming

- ▶ Summer Undergraduate Research Programs (REU Themed)
  - ▶ Significant Number 10-30 Students
  - ▶ Graduate Schools
  - ▶ Diversity Officers & Offices
- ▶ Partnership Agreements Between Majority and Minority Serving Institutions





For More Information



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