



UNIVERSITY OF  
**SOUTH CAROLINA**  
Office of Research



**Undergraduate** Research  
*Discovery for every discipline*



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# Undergraduate Research



- Education and outreach
- Matchmaking
- Funding
- Showcasing



# Undergraduate Research

*Discovery for every discipline*

## TRiO

A Collaboration of School  
College & Community



## AMP

The Louis Stokes  
South Carolina  
Alliance For  
Minority  
Participation



CENTER FOR COLON CANCER RESEARCH  
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# TRIO and McNair Scholars

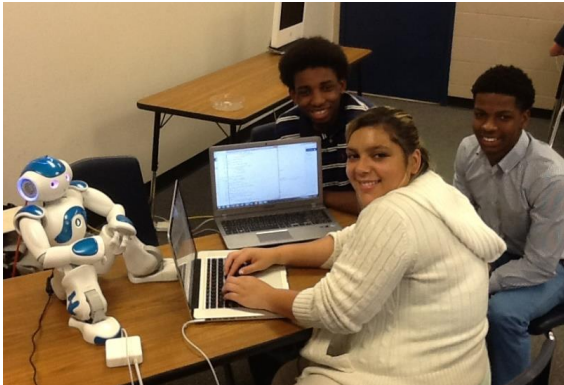
- Early and regular advising touch points
- Targeted presentations
- Matchmakers
- Special grant program
  - Early experiences
  - Extended research for McNair Scholars





# SC Alliance for Minority Participation

- Network of 9 4-year and 5 technical institutions
- Goal of increasing STEM graduate education
- Summer research experiences



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# Summer Community of Scholars

- Common experiences for students in summer research and resources for faculty
- Benefits:
  - Diversity
  - Outreach
  - Funding



# Summer Community of Scholars



- For students:
  - Professional development workshops: ethics, grad school, communication, presentations
  - Summer symposium

- For faculty:
  - Administrative support
  - Support for Minority Advancement in Research Training Program (SMART)



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# Magellan Programs

- Since 2005, 9 programs (8 funding)
  - Scholar, Minigrant, Guarantee, Apprentice, Explorer, Voyager, Navigator, Sustainable, Ambassadors, *stay tuned...*
- Scholar:
  - 1320 students
  - \$3.4M
  - System-wide





# Magellan Programs

- Discovery for all
  - Engineering 14%
  - Science 37%
  - Social Science 33%
  - Humanities 10%
  - Arts 6%
- Research Abroad 13%
- Community component 15%



# Magellan Impact

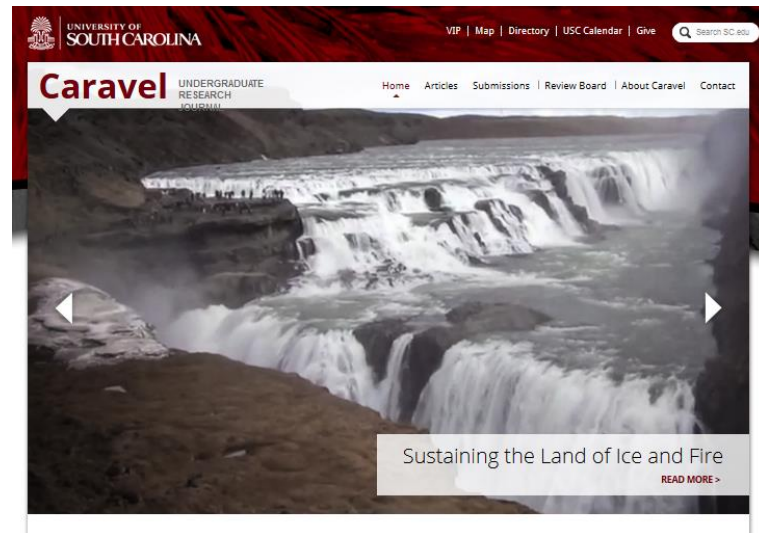
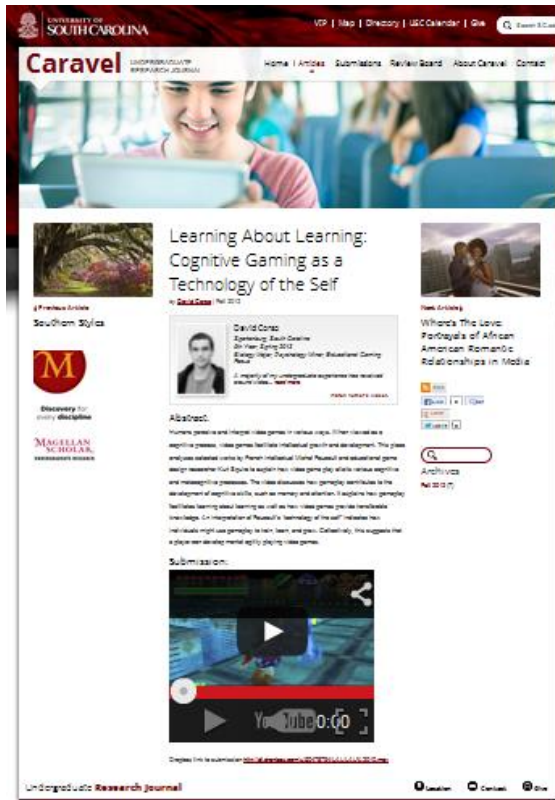
- Alumni: 858 (72% response)
  - Advanced Education (403) 65%
    - Graduate School 52%
    - Medical School/Health 24%
  - Business/Industry/Government
    - Boeing, Google/IBM/Microsoft, BP/Exxon, CDC (5), Smithsonian (3)
  - National Awards
    - 151 awardees+39 Finalists/Honorable Mentions





# Undergraduate Research Journal

- On-line; all disciplines
- Multi-media platform



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# DISCOVER USC

Research | Scholarship | Innovation

- Undergraduate Showcase:
  - 70 in 2004 to 619 in 2016
- 2017 Inaugural Event:
  - 1055 (714 undergraduate)
- ❖ Research, creative activities, leadership, internships, global study, service, national fellowships...



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# Partnering for Success

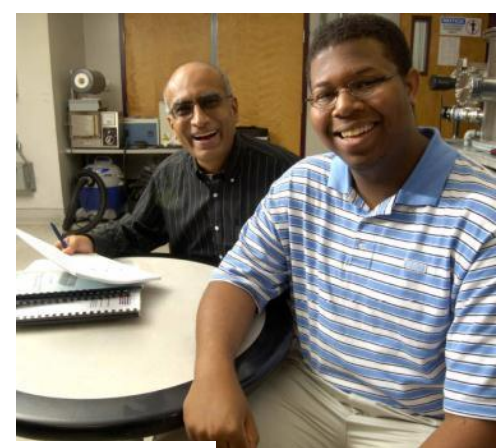
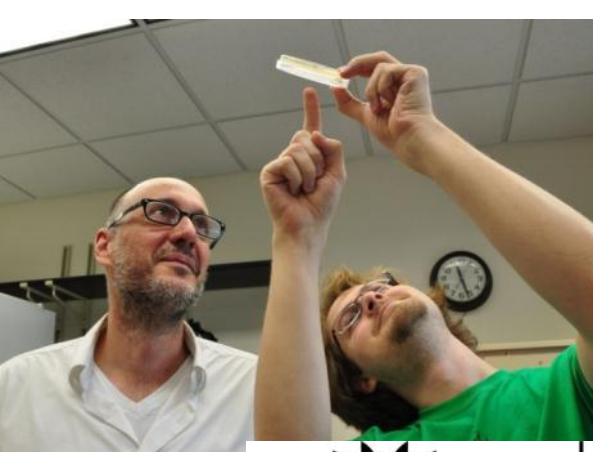
- Translatable, adaptable, sustainable
  - institutional type and campus climate
- Utilize strengths to address challenges
- Provide services and programs that promote success for under-represented minorities, first-generation college students, and early experiences



# Partnering for Success

- Strategic
- Mutually beneficial
- Shared goals and standards
- Complementary expertise and separate roles
- Leveraged the resources of all parties to more efficiently impact goals and outcomes (budgets, staff time, activities)
- Expand the impact of limited resources





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# University of South Carolina

## *Undergraduate Research*

April 4, 2017

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Finley, A., & McNair, T. (2013). Assessing underserved students' engagement in high-impact practices. Washington, DC: Association of American Colleges and Universities.

Kuh, G. D. (2008). High-Impact Educational Practices: What They Are, Who Has Access to Them, and Why They Matter. Association of American Colleges and Universities.

Kuh, G. D., O'Donnell, K., & Reed, S. (2013). Ensuring quality and taking high-impact practices to scale. Washington, DC: Association of American Colleges and Universities.

Nagda, B. A., Gregerman, S. R., Jonides, J., von Hippel, W., & Lerner, J. S. (1998). Undergraduate Student-Faculty Research Partnerships Affect Student Retention. *Review of Higher Education*, 22(1), 55-72.



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