Harvard SEAS REU Program

• **Director:** Kathryn Hollar, Director of Educational Programs at SEAS

• Biomaterials and physical science focus

• One of many REU programs at Harvard

• **Stats for 2010:**
  - 63 REUs
  - ~800 applicants
  - ~40% under-represented minority students

(from Stephanie Mitchell/Harvard Staff Photographer)
Harvard REU: Community

48 students, summer 2009
Harvard REU: Community

Professional Development & Community

Faculty research seminars
Writing workshops
Oral presentation workshops
Research tools workshops
Careers & graduate school
Social & cultural activities
16 DMR-funded students in 2009: MRSEC, PREM, REU Site in Biomaterials

- Hispanic: 19%
- White, non-Hispanic: 31%
- Native American: 6%
- Asian: 31%
- Black: 31%
REU: Outcomes

- **Currently Enrolled UG**: 33%
- **Industry/Consulting**: 13%
- **Medical/Law School**: 7%
- **Other**: 7%
- **STEM Graduate Program**: 40%

292 total students (2004-2009)

(63 students in 2010)
the REU has been my best academic research experience to date, and I compared all possible graduate labs to the one I worked in at Harvard. This summer also contributed to my decision to get a PhD instead of a Masters degree. I decided that research is my passion, and that I want to pursue it regardless of my future career goals.
Lessons Learned - Recruiting & Follow-up

Aggressive Recruiting
- NSBP/NSHP
- SACNAS
- ABRCMS
- Veterans/South
- Collaboration with UNM (NSF PREM)
- Visiting MSIs

Recruit mentors!
Faculty commitment
Establish community
New and recent directions

• PREM: Partnership with University of New Mexico (undergrad, grad, postdoc, faculty)

• High School Internships
  – Led by current and former RETs
  – Boston and Cambridge Public Schools

REUs are part of a broad community

http://www.youtube.com/watch?v=GPJEXaFhWXU
PREM with University of New Mexico

Research “supergroup” meetings
Reciprocal UNM-Harvard visits
Undergraduates are critical link
Shared educational modules