Connecting Back, Connecting Forward: How Community College Research Experience Strengthens the Science Pipeline

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Connecting Back

- BCC Summer Science Camp
- Expand Your Horizons
- Science and Math Institute
- Amgen
- Skwant Science Camp and school visits

Students isolating DNA

“I couldn’t see myself... in a research role, and being in a class like this it’s a little more comfortable for me.”

Connecting Back

- ComGen
- The Mini-Graduate School Experience
- Community College Genomics Research Initiative

ComGen students with mentors
Drs. Thomashow and Weller

ComGen student on internship

NSF funded Phase II to bring experiential learning to BCC students. Phase III planned to disseminate our model to other colleges

“I’ve got a clearer view of what happens in research”

Connecting Forward

- Undergraduate Research
- Students
- Instructors

- Middle School Students
- High School Students
- Community members
- Outreach to Underrepresented Groups

Bellevue Community College

- Introductory-level Students

- Research internships
- State Agencies
- Federal Agencies (USDA-ARS, DoE)
- Four-year Colleges & Universities

- Laboratory Experience
- Course Assessment
- Student Assessment
- Journal Club/Seminar
- Guest Speakers
- Regional Outreach

SAMI outreach events:
Science TO GO!
On-Campus Science Demonstration for African American Academy students
BCC’s first Pi Day celebration
Earth Week planetarium shows
Math Awareness Month
Created the BCC High School Laboratory Internship Program

Students spoke of suddenly being able to understand specialized vocabulary of guest speakers - something that makes them feel like members of the community of scientists

Students isolating DNA

ComGen students with mentors
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“Most teachers say they will use the Socratic Method, but they don’t. You stayed with it throughout the class and that was great”

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http://scidiv.bcc.ctc.edu/ComGen

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