

# 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



## Community College Research

### ComGen

#### The Mini-Graduate School Experience

#### Community College Genomics Research Initiative

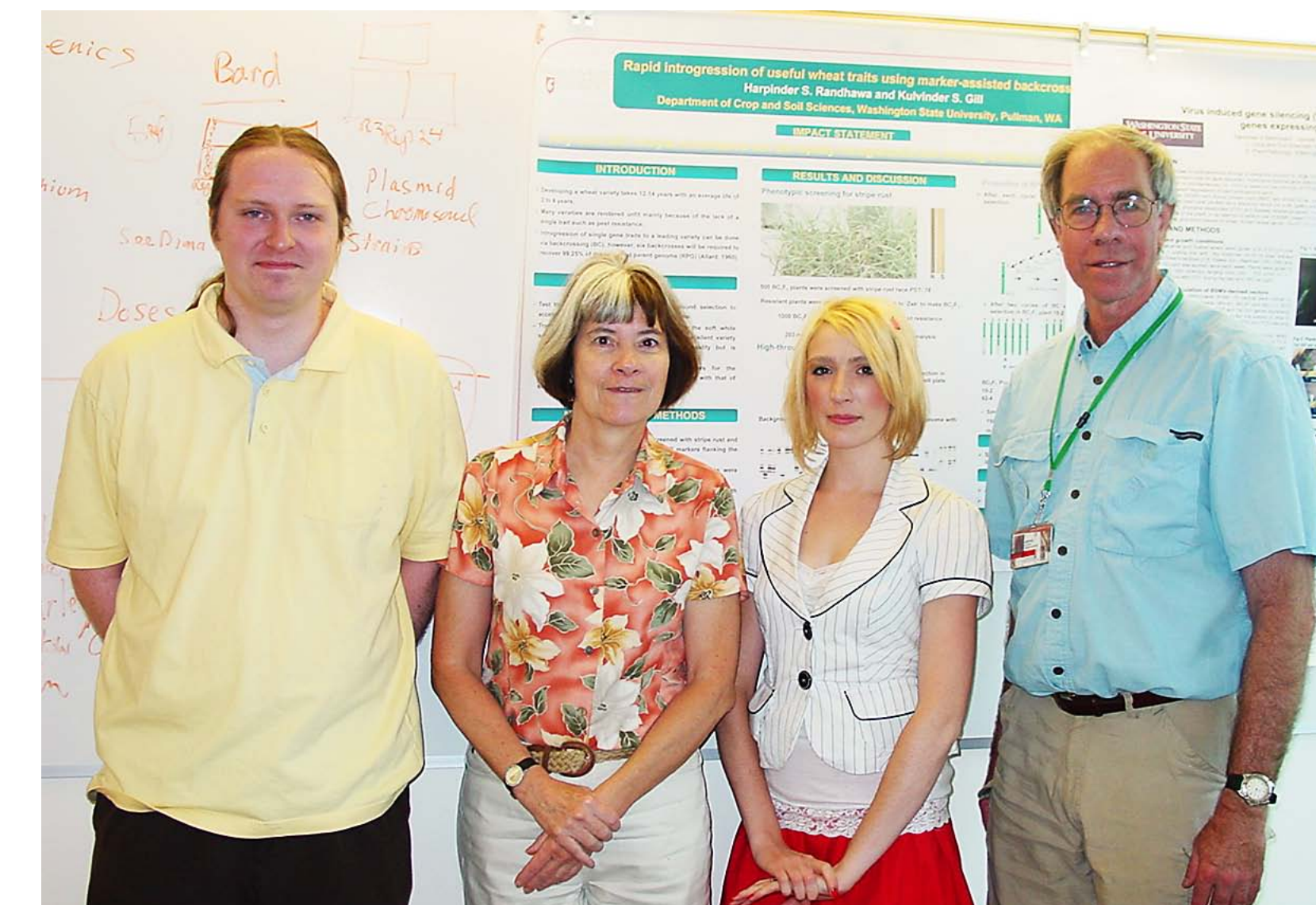


Students from ComGen pilot class,

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

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

## Connecting Forward



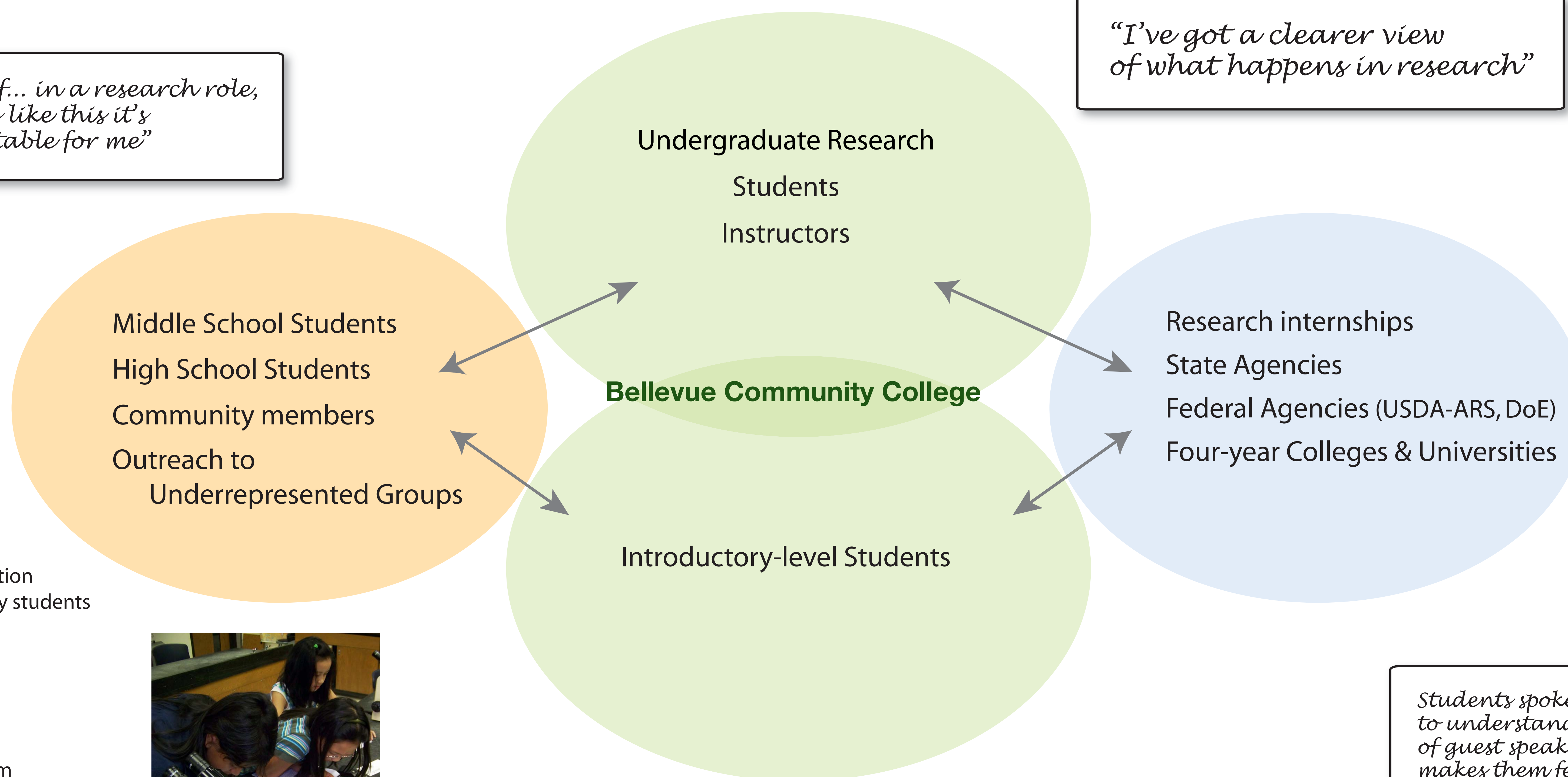
ComGen students with mentors  
Drs. Thomashow and Weller



ComGen student on internship

*"I couldn't see myself... in a research role, and being in a class like this it's a little more comfortable for me"*

*"I've got a clearer view of what happens in research"*



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



*"Most teachers say they will use the Socratic Method, but they don't. You stayed with it throughout the class and that was great"*



ComGen student volunteer at the Skwant Summer Science camp

*"I just started thinking about [molecules] from a much more questioning, scientific way"*



PI Bangera with BCC Foundation Board Members, WA State Attorney General Rob McKenna, and BCC Foundation President Mike Humphries.

*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*

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

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