# Building With Biology

## Should We Edit the Genome: When, Why, and How Much?

**Southern Connecticut State University**  
Jennings Hall and Academic Science & Laboratory Building  
August 2, 2016  
9:00 am – 3:00 pm

<table>
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| 8:30 – 9:00  | Sign in, Welcome | Christine Broadbridge  
Pre-survey | Breakfast and Coffee |
| 9:00 – 10:30 | Forum | Dr. Sarah Roe, Assistant Professor, SCSU Philosophy  
Bryn Pinkerton, STEM-IL & Carol Jenkins, CRISP & STEM-IL  
Forum: Should We Edit the Genome? When, Why, and How Much? |
| 10:30 – 11:15 | NISE Building with Biology Hands-On Modules (in groups)  
Bio Bistro, Kit of Parts, See DNA, Super Organisms, Tech Tokens, VirEx Delivery |
| 11:15 – 11:30 | Morning Report out |
| 11:30 – 12:30 | Networking Lunch |
| 12:30 – 1:00  | Presentation | iGEM Team  
History & Overview of iGEM. SCSU 2016 Project. |
| 1:00 – 2:30  | Presentation & Laboratory Tour | Dr. Nicholas Edgington, Associate Professor, SCSU Biology  
History & Overview of Synthetic Biology, Description of HHMI SEA-PHAGES.  
Academic Science & Laboratory Building Synthetic Biology Laboratory Tour |
| 2:30 – 2:45 | Afternoon Report out  
Debrief workshop activities. Discuss Building with Biology classroom connections. |
| 2:45 – 3:00  | Closing remarks  
Post-survey |
Building with Biology Project:

Synthetic biology is an area of scientific research focused on the possibility of redesigning, engineering, and constructing entirely new biological systems.

1. Synthetic Biology builds biological systems.
2. Synthetic Biology generates new tools and knowledge.
3. Synthetic Biology benefits from many voices.
4. Synthetic Biology is interconnected with society.

Forum:

Should We Edit the Genome? When, Why, and How Much?

1. All new technologies present inherent risks, opportunities, and benefits for different people.
2. Changing the genes of an organism has been possible for a long time, but new methods and technologies raise new societal and ethical questions.
3. Everyone has valuable perspectives and views to add to the conversation.