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## Measuring Urban High School Student Outcomes in a Protein Design Course

James Gillahan  
*Cleveland State University*

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# ***Measuring Urban High School Student Outcomes in a Protein Design Course***

College of Education and Human Services

**Student Researcher:** James Gillahan

**Faculty Advisor:** Robert L. Ferguson

## **Abstract**

STEM (Science Technology Engineering and Mathematics) focused high schools have previously shown promising outcomes in the urban districts, where low income students have lower graduation rates, college acceptance and less access to advanced fields of study as compared to students of wealthier school districts. Modeling a protein design course from a private school, we aim to develop curriculum for a biotechnology course for an urban high school. Biotech is an emerging multidisciplinary field that could have similar outcomes to STEM education. We also aim to measure outcomes including student perspective of resulting STEM and career choice, using ethnographic methods.