

Elizabeth Essinger-Hileman

“Beth”



Graduate Institution: The Pennsylvania State University

Location: University Park, PA

Graduate Discipline: Chemistry

Hometown: Masontown, PA

Research Interests:

My research involves the use of M13 bacteriophage – a filamentous virus – and phage display to identify peptides with specific affinity for inorganic material surfaces, probe the degree of specificity that these peptides have for the target material, and template the growth of inorganic materials. I am interested in using these tools to improve nanomaterial purity and to assemble complex nanoscale heterostructures with interesting and useful properties.

About me:

I am entering my third year as a graduate student in Chemistry at Penn State University, working in Prof. Raymond Schaak’s research group. During the 2008-2009 academic year, I received the Roberts Fellowship and an Incoming Graduate Student Award. After I graduate, I would like to pursue a career as a professor. When not working in the lab, I enjoy playing ultimate Frisbee and relaxing with a good book. I am also an active member of the State College Presbyterian Church and am passionate about social justice and environmental issues. I have been a member of the American Chemical Society since 2009.



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