



Josiah Gerber

Roche/ARCS Foundation Scholar – Portland Chapter

Recipient Institution: Oregon State University, School of Science

Department: Biochemistry and Biophysics

Degree Pursuing: PhD

Adviser: Ryan Mehl

Research Focus: Josiah is currently working on a rotation project involving optimizing data collection and reduction for x-ray crystallography, a technique that is used to determine the structure of proteins and other important molecules in biochemistry, with the goal of obtaining better structural information. Since these structures are used for many important applications, including the design of new medicines, having better structures would aid in the advancement of many areas of science.

Publications/Presentations/Symposiums:

- 3rd Place Sigma Xi research presentation at Indiana-Purdue University Fort Wayne
- Poster presentation at the ASM 2012 general meeting on “Insight into the Encapsidation Process of Varicella Zoster Virus”

Grants, Fellowships and Scholarships:

- Roche/ARCS Foundation Scholar Award Program in the Life Sciences 2014
- American Society of Microbiology Undergraduate Research Fellow (2011)
- Chancellor’s Scholarship (2009-2013)

Undergraduate Education: Indiana-Purdue University in Fort Wayne, Indiana, BS in biochemistry, Chancellor’s Scholar award and American Society of Microbiology undergraduate research fellowship.

Personal:

- Loves to read, especially about science and science fiction
- Enjoys being a tutor