

Research Summary for Ashley Thelen

First-Year Beckman Scholar (2013-2014), University of Nebraska-Lincoln. Having graduated in spring 2014, Ashley is now a graduate student in the Department of Molecular and Cell Biology at the University of California, Berkeley.

Allosteric Regulation of Human UDP-Glucose Dehydrogenase. UDP-glucose dehydrogenase (UGDH) is an enzyme found in humans that is essential in heart valve formation and steroid detoxification pathways. My research focuses on the regulatory mechanisms of UGDH as well as the biological effects of altered UGDH activity. Specifically, our lab is investigating the role of UGDH in the process of tumor metastasis in advanced stage prostate cancer.