

Research Summary for Jessica Chekal

First-Year Beckman Scholar (2013-2014), University of Nebraska-Lincoln. Having graduated in May 2015, Jessica will begin graduate school at the University of Nebraska Medical Center in the College of Pharmacy in fall 2015.

Matabolic and Molecular Signatures of Dietary Fat.

We are evaluating the impact of specific dietary fatty acids on organ system crosstalk. Specifically, we are evaluating selected biochemical and gene expression parameters in blood, liver, and adipose tissue to understand how different kinds of fatty acids modulate these molecular factors. This study is currently being conducted in mice that are either conventionally housed or germ free to asses influences of microbiota on animal metabolism.