Caleb L Adams* (cadams5@radford.edu), Radford University, PO Box 6942, Radford, VA 24142. *Dynamics of Liver Glycogen in a Glucose-Regulatory Model. Preliminary report.

The body’s blood glucose concentration is tightly controlled by counter-regulatory hormones insulin and glucagon. In order to maintain a basal state, the body stores glucose in the liver when glucose is in excess, typically from a meal, and utilizes this storage when glucose is scarce, often during prolong fasts. Presented in this talk is an extension of a glucose-insulin-glucagon model which incorporates the storage and utilization of liver glycogen. Discusses will be dynamics of the model at each phase of development. (Received September 25, 2018)