PROJECT TITLE: Biosensors Breakthrough – Enabling Wearable Biochemical Sensing Beyond Glucose

Jason Heikenfeld, 824 Rhodes Hall, heikenjc@ucmail.uc.edu, 513-884-4094

Project Description

This project will address the bottleneck which has prevented the medical field from moving beyond sensing of glucose with enzymatic sensors. Unlike enzymatic glucose sensors, electrochemical aptamer-based sensors are rapidly adaptable to measuring other molecules in the body. However, aptamer sensors degrade rapidly in live animals.