

My name is Yan Wang and I live in Willimantic, CT. I am a graduate student working with Professor Diane Burgess in the Department of Pharmaceutical Sciences, School of Pharmacy, University of Connecticut. My graduate research is focused on the realization of a totally implantable biosensor for long-term continuous glucose monitoring. To achieve this goal our group closely works with research groups in the Institute of Materials Sciences and Electrical Engineer at University of Connecticut as well as Biorasis (a UConn start-up company). My research contribution has mainly focused on development of a drug-eluting biocompatible coating to prevent negative tissue reaction following sensor implantation (which if left unchecked would decrease sensor functionality and lead to sensor failure within one week) and as well as the *in vivo* evaluation of the biosensor. Biorasis mainly focuses on the development and commercialization of the device. Realization of long-term implantable glucose biosensors will dramatically change the life of diabetic patients. It will significantly decrease the occurrence of secondary complications and it will take us one step closer to the realization of a closed-loop "artificial pancreas", the Holy Grail in terms of diabetes management!