

2019 Baich Award Winner: Dr. Guim Kwon

Dr. Guim Kwon, Professor of Pharmaceutical Sciences at Southern Illinois University Edwardsville, is the winner of the 2019 Annette and Henry Baich Research Award from the SIUE Graduate School. The Baich Award is given annually to the most outstanding STEP grant proposal for basic research conducted within the parameters of the Sigma Xi Society. The mission of the society includes promoting the public's understanding of science for the purpose of improving the human condition. Disciplines include the physical sciences, life and medical sciences, earth science, engineering, psychology and mathematics.

Dr. Kwon has been a member of the SIUE faculty since 2005 when she joined the School of Pharmacy after completing her postdoctoral training in the Department of Pathology and Immunology at Washington University School of Medicine. Dr. Kwon received her BS in cellular molecular biology and her PhD from the University of Michigan.

Dr. Kwon's award-winning proposal, titled "Prediction of blood glucose levels using artificial neural network in diabetic rats" was chosen from a competitive field of submissions. Her research interests focus on providing strategies for therapeutic intervention for both type 1 and type 2 diabetes mellitus. Dr. Kwon's proposal will investigate the feasibility of developing an accurate and adaptable blood glucose level prediction model for an artificial pancreas system that is under development. Kwon hopes to advance the current open-loop artificial pancreas and is working in collaboration with co-investigators Dr. Hoo Sang Ko and Dr. H. Felix Lee in Industrial Engineering at SIUE to develop control algorithms for the design of a closed-loop artificial pancreas.

Please join us in congratulating Dr. Kwon on this significant recognition!