Steven B. Jung

Title: *The Present and Future of Glass in Medicine*

Abstract: Glass is already being used in medical applications from cancer treatment to tissue regeneration. The future of glass in medicine will require advances in chemical composition, shape / form factor, and processing to continue to improve treatment options for clinicians. The beauty of glass is that it can be almost anything we want; durable or degradable, solid or porous, it can be manipulated into almost any shape, and the list goes on. The uniqueness of the material properties of glass ultimately makes way for truly unique medical devices. This talk will focus on present advances in hard and soft tissue regeneration and why it is believed glass materials will remain a viable and growing option for the future of healing.

Biography: Steven Jung is the Chief Technology Officer at a specialty and healthcare glass manufacturer, MO-SCI Corporation, which is located in Rolla, Missouri, USA. He received his Ph.D. in Materials Science and Engineering from the Missouri University of Science and Technology in 2010. There he studied bioactive glass scaffolds for hard and soft tissue regeneration. Steven is an inventor on 11 U.S. patents and ~50 US and international patents pending in the area of biomaterials. He is married to his wife Rachel and has a son Benjamin.