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MSEC SEMINAR AND COMMERCIALIZATION FORUM



INVITED SPEAKER:

DR. BRADLEY RODIER

“MEDICAL DEVICE INNOVATION: CONCEPT TO
COMMERCIALIZATION”

October 26th, 2018

1:30 – 3:00 PM

RFM 3241



Biography:

After serving 10 years in the United States Airforce, Dr. Rodier received his undergraduate degree in Biochemistry at Texas State University, working in the labs of Dr. Jennifer Irvin and Dr. Tania Betancourt. From there he pursued his Ph.D. in Chemistry as NASA’s Harriet G. Jenkins fellow under the mentorship of Dr. Emily Pentzer and Dr. Michael Meador. There, his research involved surface chemistry of small molecule and polymeric on 2 dimensional nanomaterials and their incorporation into greater macroscopic structures. At Rochal, his work revolves around research and design of novel polymeric materials for medical device applications.

Abstract:

Polymeric materials in personal care is a multibillion-dollar industry with areas that range from wound-care to cosmetics to contact lenses. This diversification of applications can be traced back to the chemical composition of the monomers used, the methodology of synthesis, and the size of the targeted polymer. At Rochal Industries, we use a multidisciplinary approach to tailor the targeted properties of engineered materials to fill a market and patient need. This discussion will cover the desired properties, chemistry, and characterization behind some of our siloxy-siloxane based products as well as directions Rochal has taken in recent years.

FOR MORE INFORMATION OR IF YOU WOULD LIKE TO HAVE LUNCH WITH THE SPEAKER,
PLEASE CONTACT DR. SHANNON WEIGUM AT SWEIGUM@TXSTATE.EDU