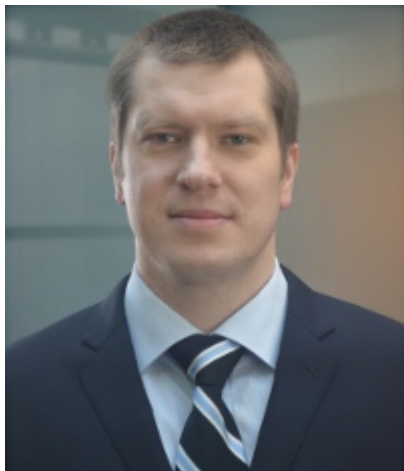


TIME: 12:30-2:00 PM PLACE: SCIENCE HALL WEST 301



Dr. Michal Szostak

ASSISTANT PROFESSOR

DEPARTMENT OF CHEMISTRY

RUTGERS UNIVERSITY, NEWARK

WHEN: THURSDAY, OCT 13TH, 2016

"Activation of Inert Bonds Using Transition Metals and Beyond"

Development of new strategies for organic synthesis encompassing activation of inert bonds has long intrigued synthetic chemists. Advances in transition metal catalysis in the last decade resulted in the discovery of myriad new and useful processes for the direct synthesis of complex molecules broadly applied in both academic and industrial settings. In this lecture, recent developments in selective activation of amide bonds by destabilization-controlled metal insertion into the amide double bond will be presented. Additionally, new methods for direct C–H functionalization of broadly applicable substrates will be discussed. This lecture will also focus on recent developments in metal-mediated radical cross-couplings. A general strategy for carbocatalyzed C–C bond formation will be presented.