

UNIVERSITY OF RHODE ISLAND
Department of Chemistry

SEMINAR

Room 234 Pastore Hall
3:00 p.m, Monday, Feb 5, 2018

Prof. Robert B Grubbs

Department of Chemistry
Stony Brooks University
Stony Brooks, NY

***“Making responsive hydrogels
from synthetic block copolymers”***

HOST

Brett Lucht
Department of Chemistry
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*Making responsive hydrogels from
synthetic block copolymers*

Prof. Robert B Grubbs

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Abstract

Soft materials that can respond to different stimuli are of interest in a range of applications. We have investigated the preparation of block copolymers that are capable of forming hydrogels that respond to temperature, magnetic fields, or pH. Aspects of the synthesis of these polymers by controlled radical and organocatalytic polymerization and the properties of the resulting hydrogels will be discussed.