

Joint Biomedical Engineering Seminar Series  
MU ▪ MCW ▪ UWM

*Seminar Announcement*

**Friday, March 16, 2018**

Noon – 1:00 pm

EMS E237

**UW- Milwaukee**

**Marcia Silva, Ph.D.** Assistant Scientist  
and the Facility Manager for the UWM Water  
Technology Accelerator

*Abstract*

**Building Novel Technologies for Removal of Pollutants from Water  
and for Detection of Pollutants in Water**

In this seminar, I will touch base in some of the water technologies that my lab is developing. The two major branches are (a) novel porous material for removal of pollutants from water and (b) sensors for detection of pollutants from water. Adsorbents are engineered in the lab to specifically remove certain pollutants of interest from water: phosphorus, nitrogen, pharmaceuticals, heavy metals, and bacteria. My lab is currently developing sensors for (a) detection of particles and bacteria in water and (b) sensors for detection of biofilm in pipes. I will also engage the audience on the understanding of major water issues worldwide and discuss the needs for novel water technologies.

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UWM EMS E237 is located at 3200 N Cramer St, Milwaukee, WI.

Refreshments will be served.