



WCSU Department of Biological and  
Environmental Sciences

Research Seminar Series, Fall 2009

Wednesday, 18 November, 4:00-5:00 PM,  
Science Building, Room SB 124

**Dr. Jean Huang**

Assistant Professor of Biology  
F. W. Olin College of Engineering  
Needham, MA

**“Bacteria for Bioenergy: Hydrogen Gas Production  
by *Rhodospseudomonas palustris*”**



Photo credit: <http://aem.asm.org/content/vol73/issue5/cover.dtl>

Dr. Huang will talk about *Rhodospseudomonas palustris*, a metabolically versatile purple phototrophic bacterium that can degrade components of plant biomass, grow on waste water, fix nitrogen, and produce hydrogen gas -- all in a day's work! Its metabolic flexibility makes *R. palustris* attractive as a biocatalyst for photobiological hydrogen gas production. Come learn about *R. palustris* and new insights into its hydrogen gas producing capabilities!

*Light refreshments will be served following the seminar*