



JOHNS HOPKINS  
BLOOMBERG  
SCHOOL of PUBLIC HEALTH

*Department of Biostatistics*

# **BIOSTATISTICS SEMINAR**

## **Bayesian Nonparametric Estimation of Monotone Functions**

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### *Abstract*

Following an introduction to Bayesian nonparametrics, we will present a specific class of nonparametric Bayesian models for monotone regression. These models will be compared to recent classical nonparametric monotone regression approaches in a simulation study. They will also be applied to two real data scenarios, to a dose-response analysis as well as to growth curve estimation.

**The Johns Hopkins Bloomberg School of Public Health  
Department of Biostatistics, Wednesday, November 11, 2009  
Room W2030 School of Public Health, 4:00-5:00pm (Refreshments: 3:30)**

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