



JOHNS HOPKINS  
BLOOMBERG  
SCHOOL of PUBLIC HEALTH

*Department of Biostatistics*

# BIOSTATISTICS SEMINAR

## Generalizing Censored Quantile Regression to Recurrent Events Data: A Unified Counting Process Framework

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### *Abstract*

Censored quantile regression has arisen into a useful alternative to standard analysis of time-to-event data. In this talk, I will present a counting process based perspective that renders an elegant extension of censored quantile regression to recurrent event settings. The proposed method for recurrent events data retains the appealing features of censored quantile regression in interpretation, flexibility and computation. It can also accommodate more complex observation windows of recurrent events as often encountered in observational studies. I will demonstrate the utility of our proposals via simulation studies and an application to a dataset from the US Cystic Fibrosis Foundation Patient Registry (CFFPR).

**The Johns Hopkins Bloomberg School of Public Health, Department of Biostatistics, Monday,  
November 4, 2013, 12:15-1:15pm, Room W4030, School of Public Health  
(Refreshments: 12:00)**

**We request that lunch be eaten before or after seminar and not during the seminar**

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