# RUTGERS UNIVERSITY
## DEPARTMENT OF STATISTICS AND BIOSTATISTICS
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## Seminar

Speaker:   **Professor Peter Orbanz**
           **Department of Statistics**
           **Columbia University**

Title:     **Nonparametric priors for graphs and arrays**

Time:      **3:20 – 4:20pm**, *Wednesday*, **February 12, 2014**

Place:     **552 Hill Center**

## Abstract

Suppose we observe data that aggregates into a graph, or more generally, a matrix or a higher-order array. As more data becomes available, the size of the graph increases. I will explain how Bayesian models of such data can be derived if the graph is exchangeable, and what exchangeability means for this type of data. I will then discuss why exchangeable models are misspecified for network data, and summarize what we know about the (so far completely open) problem of finding an alternative concept suitable for networks.

*** Refreshments will be served @2:50pm in Room 502 Hill Center ***