



## UGA/Clemson Joint Seminar 2014

Thursday, April 17, 2014

### UGA Hotel and Conference Center

*Kellogg Concourse and Room KL*  
1197 South Lumpkin Street | Athens, Georgia 30602

### Kathryn Chaloner

Professor and Head | Department of Biostatistics  
The University of Iowa

### Bayesian Methods for Study Design and Statistical Analysis

Bayesian methods for statistical analyses require a different interpretation of probability than traditional “frequentist” methods. The use of Bayesian methods is increasingly common and its flexibility has facilitated a wide range of scientific advances, especially in medicine.

The first example is of an adaptive design examining the dose effect of inoculating healthy volunteers with *Haemophilus influenza* and estimating the probability that nasal colonization will occur. Different sequential strategies for design will be examined and compared. The second example will be of subgroup analyses in clinical trials where quantification of the evidence is more useful than traditional significance testing. These two examples are, respectively, joint work with Yu-Hui Huang Chang and Emine Bayman.

▪ **RSVP Required** ▪

Please submit your RSVP at:  
<http://www.stat.uga.edu/RSVP-2014-ugaclemson>

The deadline to RSVP is  
**Monday, April 7, 2014**

**Dinner Buffett:**  
**\$10 for non-students**

*We accept cash and checks payable to “University of Georgia”*

*Send payment to:*  
*Department of Statistics*  
*101 Cedar Street | Attn: Megan Weatherford*  
*Athens, GA 30606*

*For more information about this year’s seminar, visit our website:*  
<http://www.stat.uga.edu/events/uga-clemson-joint-seminar>

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