

Summer Institute in Statistics for Clinical Research

Module 18: Bayesian Methods for Clinical Research - Computational Methods and Applications

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Instructor:

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<u>Tentative Schedule</u>	<u>Topic</u>
8:30 – 10:00	Review of basic concepts of Bayesian inference Bayesian regression modeling
10:00 – 10:30	<i>Break</i>
10:30 – 12:00	Correlated data Lab –Bayesian GLMs using INLA
12:00 – 1:30	<i>Lunch</i>
1:30 – 3:00	MCMC Lab – Analysis of correlated data
3:00 – 3:30	<i>Break</i>
3:30 – 5:00	Meta-analysis Lab – Meta-analysis Diagnostic testing with missing gold standard