

STATEMENT OF TEACHING INTERESTS
MATTHEW A. HIBBS

Educating the next generation of researchers is an important goal for my future academic career, both to guide students and to enrich my own knowledge. My teaching experiences have demonstrated to me that the process of refining and explaining complex concepts to an audience is personally rewarding and greatly increases my own understanding of those concepts. I have also been privileged to receive recognition of my teaching ability in the form of the Princeton University Teaching Award for Excellence in Instruction for my work in creating and implementing the curriculum for Princeton's new program for Integrative Science Instruction. In addition to teaching in a traditional classroom setting, I have also provided invited lectures on various topics at Princeton University and the Cold Spring Harbor Laboratory. My experiences have emphasized my desire to teach and advise undergraduate and graduate students in a manner that will prepare them for interdisciplinary research.

I would feel qualified to teach/lecture for the following courses, including acting as a lead instructor in introductory or advanced courses in these areas:

Bioinformatics

Topics in Bioinformatics
Microarray Analysis
Programming for Biologists
Machine Learning Approaches for Bioinformatics

Computer Science

Computational Biology
Machine Learning
Data Mining
Information Visualization
Computer Graphics
Algorithms and Data Structures