

Speaker: Debashis Ghosh

Title: Kernel Machine Methods in Computational Biology

Abstract: In this talk, I will introduce a class of machine learning methods termed kernel methods that have gained much traction in the machine learning and bio-informatic communities. By casting these procedures in a more statistical framework, we are able to develop links with estimation in random effects models as well as developing Bayesian inferential procedures. If time permits, I will also discuss application of the approach to a genome-wide association study setting.