



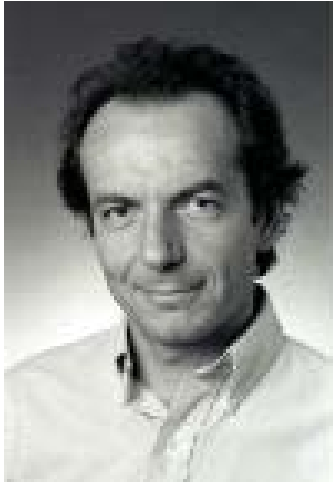
JOHNS HOPKINS

BIOMEDICAL ENGINEERING



Monday, November 24, 2008, 1:00 PM, Ross G007

Light lunch will be provided at 12:00



Gene Set Analysis as a Tool for Cross-Platform Integration in Genomics

Giovanni Parmigiani, Ph.D.

Professor

The Sidney Kimmel Comprehensive Cancer Center
Johns Hopkins University

Host: Dr. Raimond Winslow

Abstract: Gene set analysis considers whether genes that form a set from a specific biological standpoint, also behave similarly in a high throughput genomic experiment. This simple cross referencing is very powerful and creative definition of sets has allowed combined analysis and interpretation of very disparate sources of knowledge. In this presentation I will provide a brief review of concepts, our ongoing research on models for gene set analysis, and remaining challenges. I will also present in some more detail an R tool called funcBox that facilitates "comparative gene set analysis" by allowing users to simultaneously analyze and visualize multiple gene set analyses performed on related comparisons or experiments.

Upcoming Seminar:

December 8: Dr. Eduardo Perozo, University of Chicago

<http://www.hopkinsmedicine.org/ibbs/news/events.html>

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