Thursday, May 27, 2010

Morning session

Moderator
Erick Suárez, Ph.D.
Director, Department of Biostatistics and Epidemiology
Graduate School of Public Health, MSC, UPR

An overview of Microarrays in Clinical Research
Terry Speed, Ph.D.
Professor
University of California at Berkeley
Walter & Eliza Hall Institute of Medical Research in Australia

Sample material parameters in microarray analysis
Carmen Cadilla, Ph.D.
Professor
Department of Biochemistry, School of Medicine MSC, UPR

Methodological considerations in Statistical Genetics
Robert C. Elston, Ph.D.
Director, Division of Genetic and Molecular Epidemiology
Interim Chair, Department of Epidemiology and Biostatistics
Case Western Reserve University, Cleveland, OH

Afternoon session

Moderator
Luis R. Pericchi, Ph.D.
Professor, Department of Mathematics
Rio Piedras Campu, UPR

Preprocessing High-throughput Data: Rescuing Signal From a Sea of Noise
Rafael Trizarry, Ph.D.
Professor, Department of Biostatistics
Johns Hopkins Bloomberg School of Public Health

DNA repair as risk factor and therapeutic target for breast cancer
Jaime Mata, Ph.D.
Professor, Department of Pharmacology and Toxicology
Ponce School of Medicine

Gaussian Graphical Models and Lasso for Structured Biological Network Inference
Christophe Ambroisse, Ph.D.
Professor, Laboratoire Statistique et Génome, Université d’Evry

Friday, May 28, 2010

Morning session

Moderator
Ana Patricia Ortiz, Ph.D.
Associate Professor
UPR Comprehensive Cancer Center
Graduate School of Public Health, MSC, UPR

Estimating the Local False Discovery Rate in the Detection of Differential Expression between Two Classes
Geoffrey J. MacLachlan, Ph.D., DSc
Professor, Head, Statistics Program
University of Queensland, St. Lucia, Brisbane, Australia

Does “integrative” epidemiology exist?
Núria Malats, M.D., Ph.D.
Group Leader, Genetic and Molecular Epidemiology Group
Spanish National Cancer Research Center, Madrid, Spain

Genomic Admixture in Puerto Rico
Gualberto Ruaní, M.D., Ph.D.
Adjunct Professor, George Washington University & UPR
Director, Hartford Hospital’s Genetic Research Center

Afternoon session

Moderator
Marcia Cruz-Correa, M.D., Ph.D.
Associate Professor, UPR Comprehensive Cancer Center
School of Medicine, MSC, UPR

Proteomics, Ovarian Cancer, and Experimental Design
Keith Baggerly, Ph.D.
Professor, Bioinformatics and Computational Biology, UT MDACC

Genetic & Biomedical Anthropology in Puerto Rico: Identification of the Machado Joseph Disease Mutation in Puerto Ricans and its possible relationship with Judeo-Spanish Ancestry
Sandra Peña de Ortiz, Ph.D.
Professor, Department of Biology
Rio Piedras Campus, UPR

The Epigenetic Basis of Common Human Disease
Andrew Feinberg, M.D., MPH
Professor, Department of Oncology
Johns Hopkins University

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Course fee: $250.00