



SEMINAR BIOINFORMATICS & GENETIC EPIDEMIOLOGY

INTERCONTINENTAL HOTEL, SAN JUAN, PR

MAY 27-28 2010

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 Irizarry, 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 Rúaño, 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

To get more information please contact:

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Course fee: \$250.00