

Blackwell-Tapia Conference and Prize Presentation

Friday November 5, 2004

1:30–2:30 *Group Photo*

2:30–3:30 **Richard Tapia** (Rice University)
A Lifetime of Diversity: Challenges, Successes, and Rewards

3:30–5:30 *Poster Session*

4:30–5:30 *Reception (Location: IPAM Lobby)*



Saturday November 6, 2004

- 9:00–10:00 *Continental Breakfast*
- 10:00–11:00 **Trachette Jackson** (University of Michigan)
Mathematical Models of Traditional and Targeted Chemotherapeutic Approaches
- 11:00–11:30 *Coffee Break*
- 11:30–12:30 **Carlos Bustamante** (Cornell University)
Evolutionary Consequence of Amino Acid Variation within the Human Genome
- 12:30–1:30 *Lunch (on your own)*
- 1:00–2:30 *Two Parallel sessions of students talks (three 20 minute talks in each session)*
- 1:30–1:50 **Miriam Nuno** (Cornell University)
A new approach to modeling multiple influenza strain dynamics
- 1:30–1:50 **Johnny Guzman** (Cornell University)
Discontinuous Galerkin Methods for Singularly Perturbed Problems
- 1:50–2:10 **Musie Ghebremichael** (Yale University)
On some statistical inference problems involving the bivariate
- 1:50–2:10 **Andres Figueroa** (University of Texas Pan American)
Oligonucleotide Fingerprinting of Ribosomal DNA Genes in the analysis of microbial communities
- 2:10–2:30 **Shari Wiley** (Howard University)
INTRAGUILD PREDATION AND HARVESTING IN A GEORGES BANK FOOD CHAIN
- 2:10–2:30 **Shaun Gittens** (University of Maryland at College Park)
Effective neural network learning of sequence generating behavior while
- 2:30–3:00 *Break*
- 3:00–3:30 *Opportunities at IPAM*
- 3:30–4:30 **Michael Cranston** (University of California at Irvine)
A retrospective of the works of Rodrigo Banuelos.
- 4:30–5:00 *Break*
- 5:00–6:00 **Rodrigo Bañuelos** (Purdue University)
Isoperimetric Inequalities in Probability, Geometry, and PDE's
- 6:00–7:30 *Dinner (Hosted by IPAM) Including Presentation of Prize, Acceptance Speech*

