Next Generation Genome Analysis in Non-model Organisms
An American Genetic Association Special Event
June 11-13, 2009

Conference Co-Organizers: Rachel O'Neill and Linda Strausbaugh
Center for Applied Genetics and Technology
College of Liberal Arts and Sciences
The University of Connecticut, Storrs, CT

Program

Time	Activity	Location
	Thursday, June 11, 2009	
7:30pm - 9pm	**Welcome Reception (Informal)**	SU Room 304
	Friday, June 12, 2009	
8:30am- 9:25am	**Continental Breakfast**	Outside the SU Theatre
9:30am – 11:45	**Welcome: Dr. Suman Singha, Vice Provost for Research and Graduate Education** **Symposium: Next Generation Analysis of Genomes** **Keynote Address** **Dr. Eric Green, NHGRI Scientific Director** **"Fulfilling the Promise of a Sequenced Human Genome"** **Dr. Andrew Pask, University of Connecticut** **"How genome analysis of the platypus helped uncover the origin of mammalian genomic imprinting"** **Dr. Valerie Reinke, Yale University** **"Functional annotation of the C. elegans genome using deep sequencing"**	SU Theatre

12:00pm - 1:00pm	**Lunch**	SU
1:15 pm - 3:15 pm	**Symposium: "The Big World of Small RNAs"** **Keynote Address** **Dr. Greg Hannon, Program Chair of Bioinformatics/Genetics, CSHL** **"Conserved Roles of Small RNAs in Genome Defense"** **Dr. Brenton Graveley, Director UCHC Translational Genomics Core** **"Small RNAs in Planarians"** **Dr. Alexandre de Lencastre, Yale University** **" Small RNAs of C. elegans"**	SU Theatre
3:15pm - 3:30 pm	**Afternoon Breakout - Beverage Break**	Outside the SU Theatre
3:30 pm - 5:00 pm	**Symposium: "Instrumentation for Genome Sequencing and Analysis: What's here and what's next?"** **Dr. Todd Arnold, Roche/454 Life Sciences** **Dr. Jeremy Preston, Illumina, Inc.** **Dr. Jeremy Lambert, RainDance Technologies** Panel Discussion	SU Theatre
5:15pm - 6:45pm	**Dinner (Banquet, informal)**	Outdoor location/SU Ballroom
7:00pm - 8:30pm	**The *American Genetic Association* Plenary Address:** **Dr. Stephen J. O'Brien, Director, Laboratory for Genomic Diversity, NCI** **Comparative Genomics from Cats to Alpacas**	SU Ballroom THEATER
	Saturday, June 13, 2009	
8:30am- 9:25am	**Continental Breakfast**	Outside the SU Theatre

9:30am –11:15am	**Symposium: "Next Generation Approaches to Microbial Symbiosis and Pathogenesis"** **Dr. Colin Dykes, Exec. V.P. and CSO, OpGen** **"Comparative Genomics and Genome Sequence Assembly/Validation using Optical Mapping"** **Dr. Tom Cebula, JHU** **"The spinach associated E. coli outbreak"** **Dr. Joerg Graf, University of Connecticut** **"Genomics of Microbes of the Medicinal Leech Gut"**	SU Theatre
11:30am-12:25pm	**Lunch**	SU Ballroom
12:30 pm-2:15pm	**Symposium: "Bookends for NextGen Sequencing Technologies"** **Dr. Travis Clark, Ion Torrents** **"The Challenges of Sample Preparation for NextGen Technologies"** **Mr. David Clements, NESCent** **"Seeing the forest and the trees: visualizing next generation sequence data"** **Dr. Eric Wommack, Univ. of Delaware** **"Metagenomic exploration of natural viral populations: A field guide to the genetic wilderness"**	SU Theatre
2:15pm – 2:25pm	**Break**	
2:30pm – 3:45 pm	**Symposium: "Viewing the transcriptome through the lens of Next Gen Technologies"** **Dr. Dawn Carone, University of Connecticut** **"Comparative analysis of retroelement-encoded small RNAs emanating from mouse and marsupial centromeres"** **Dr. Joel McManus, University of Connecticut**	

	Health Center **"Transplicing and gene regulatory divergence mechanisms revealed through RNA-seq"**	
4:00 pm -5:30 pm	**BBQ Dinner**	Outdoors/SU Ballroom

Event Sponsors

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