

VCU Bioinformatics/Bioengineering Summer Institute
Closing Symposium

Monday, August 3, 2009, Grace Harris Hall Room 4169

Presenter	Time	Title
Ariel Jefferson	9:00	A comparison study of respiratory motion artifacts in 4D fan beam and 4D cone beam computed tomography
Ash Byrnes	9:20	Mimicking the Extracellular Matrix: Characteristics of Gelatin-Based Cross-Linked Hydrogels for Use in Treating Chronic Wounds
Rachel Beard	9:40	Dermal Fibroblast Study on Silk and Silk/Genipin Crosslinked Scaffolds Electrospun for Tissue Engineering Ligament Applications
Joe Alvin	10:00	Metabolic Flux-Balance Analysis of Thermobifida fusca and Potential for Cellulosic Butanol
David Riccardi	10:30	Examining the Role of a Cryptosporidium Apyrase During Invasion
Mike Waters	10:50	The use of DNA Microarrays to Determine the Effect of Histone Deacetylase Inhibitors on Host Response to Adenovirus Gene Therapy Vectors.
Smitha Neerukonda	11:10	Antibiotic Resistance of Staphylococcus Aureus Biofilms and the Identification of Genes that Control the Persister Phenotype.
Annica Stull-Lane	11:30	Investigating the Role of Gardnerella vaginalis Relative to Other Anaerobes in Bacterial Vaginosis

****[note: no lunch]****

VCU Bioinformatics/Bioengineering Summer Institute

Closing Symposium

Tuesday, August 4, 2009, Grace Harris Hall Room 4169

Presenter	Time	Title
Alli McMullen	9:00	TBA
Matt Berginski	9:30	TBA
Justin Etzel	10:00	Ribosome Biogenesis Regulation by Mutant KsgA Modified with a Photocaged Tyrosine
Meredith Hickson	10:20	The Role of SaPII Genes 6 and 7 in Capsid Size Determination
John Marshall	10:40	Investigation of Cardiovascular Parameters for the Purpose of determining Pulsatile Pumping Profiles for a Multicentrifugal Pump.
	11:00	Discussion
Andrea Tucker	11:15	The Effect of the Drug 2-Bromo-5,6-Dichloro-1-beta-D-Ribofuranosyl (BDCRB) on the Growth of Human Cytomegalovirus Deleted of the Internal L/S Junction
Kelcey Anderson	11:35	A 3D QSAR Study of Efflux Pump Substrates
Jonathan Levin	11:55	Understanding the Method by which Nostoc Invades the Gunnera Gland
	12:15	Discussion
	12:30	Lunch, Roundtable Discussion: <i>Complications From Joint Careers in Science</i>
Amanda Chen	1:30	Identification of microRNAs Regulating Expression of Vimentin Gene and Location of miR-17-3p Targets Beyond Vimentin
Erick Breathwaite	1:50	Identification of Potential Sym Pathway Genes Responsible for Establishing and Maintaining Plant/Cyanobacterial Symbiosis
Ceci Johnstone	2:10	Modeling MicroRNAs Interactions with Bcl-2 and Related Proteins
	2:30	<i>Discussion</i>

Annie Lee	2:45	Characterization of Treacher Collin Syndrome Gene Tcofl in Zebrafish Danio Rerio
Tom Gallo	3:15	Developing a Hands Free Human-Computer Interface
Heather Nennig	3:25	Study of Tissue Adhesiveness of Dendrimer Hydrogel for Ocular Drug Delivery
	3:45	<i>Discussion</i>
	4:00	<i>Final Remarks</i>