

VCU Bioinformatics/Bioengineering Summer Institute

Closing Symposium

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

Presenter	Time	Title
	8:45	*** BREAKFAST-type food (Room 4155) ***
	9:00	<i>Coming Attractions</i>
Ariel Jefferson	9:10	A comparison study of respiratory motion artifacts in 4D fan beam and 4D cone beam computed tomography
Ash Byrnes	9:30	Mimicking the extracellular matrix: characteristics of gelatin-based cross-linked hydrogels for use in treating chronic wounds
Rachel Beard	9:50	Dermal fibroblast study on silk and silk/genipin crosslinked scaffolds electrospun for tissue engineering ligament applications
Joe Alvin	10:10	Metabolic flux-balance analysis of <i>Thermobifida fusca</i> and potential for cellulosic butanol
	10:30	*** BREAK ***
David Riccardi	10:45	Examining the role of a cryptosporidium apyrase during invasion
Mike Waters	11:05	The use of dna microarrays to determine the effect of histone deacetylase inhibitors on host response to adenovirus gene therapy vectors
Smitha Neerukonda	11:25	Antibiotic resistance of <i>Staphylococcus aureus</i> biofilms and the identification of genes that control the persister phenotype
Annica Stull-Lane	11:45	Investigating the role of <i>Gardnerella vaginalis</i> relative to other anaerobes in bacterial vaginosis

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Closing Symposium

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

Presenter	Time	Title
	8:45	*** BREAKFAST-type food (Room 4155) ***
Alli McMullen (U. North Carolina)	9:00	Using a novel mouse model to investigate early changes in the development of hydrocephalus
Matt Berginski (U. North Carolina)	9:30	[Using spatio-temporal modeling of cellular signaling networks to make cellular motility behavior predictions]
Justin Etzel	10:00	Ribosome biogenesis regulation by mutant KsgA modified with a photocaged tyrosine
Meredith Hickson	10:20	The role of SaPI1 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 and BREAK ***
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 <i>Nostoc</i> invades the <i>Gunnera</i> gland
	12:15	*** DISCUSSION ***
(All participants invited)	12:30	*** LUNCH and ROUNDTABLE DISCUSSION ***
Sarah Elsea and Mike Grotewiel		
Glen Kellogg and Diane Kellogg		<i>Complications from joint careers in science</i>
Matt Berginski and Alli McMullen		
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	*** DISCUSSION and BREAK ***
Annie Lee	2:45	Characterization of Treacher Collins syndrome gene Tcof1 in zebrafish <i>Danio rerio</i>
Tom Gallo	3:05	Developing a hands free human-computer interface
Heather Nennig	3:25	Study of tissue adhesiveness of dendrimer hydrogel for ocular drug delivery
	3:45	*** DISCUSSION ***
	4:00	Closing Remarks
	4:15	*** VOLLEY BALL ***