

## 2007 Poster Session

Poster Title	Presenter(s)	PI	Location
"Inactivation kinetics of inoculated Escherichia coli O157:H7 and Salmonella spp. on iceberg lettuce by chlorine dioxide gas. S. M. Mahmoud and R. Linton	Barakat Mahmoud	Linton	B
"Reduction of Salmonella Agona on inoculated alfalfa seeds by chlorine dioxide gas." J. Kim, S. Koh, and R. Linton	Barakat Mahmoud	Linton	B
"Selecting surrogate microorganisms for evaluation of chlorine dioxide gas treatment." J. Kim, S. Koh, A. Bhagat, A. Bhunia, and R. Linton	Barakat Mahmoud	Linton	B
"Reduction of Salmonellae inoculated on orange surface by gaseous chlorine dioxide." A. Bhagat, B. Mahmoud, J. Kim, and R. Linton	Arpan Bhagat	Linton	B
Peptide array biosensor for high throughput and multiplexed detection of food-borne pathogens	Ghanashyam Acharya Meggie Grafton	Kinam Park	C
Development of automatic detection and identification instrument for bacterial colonies with light scattering	Euiwon Bae/Nan Bai	Bae	C
A Multiplex DNA detection strategy using non-fluorescent Raman Labels	P. Sandeep/Sun Lan	Irudayaraj	C
Detection of pathogens by spectroscopic probing	P. Sandeep/Sun Lan	Irudayaraj	C
Portable biosensor for rapid and ultra-sensitive identification of organophosphorus food-borne contaminants	Ravi Shinha	Stanciu	C
Targeted Capture of Pathogenic <i>Listeria</i> Using a <i>Listeria</i> Adhesion Protein (LAP) Specific Mammalian Cell Receptor, Hsp60 for Detection of Bacteria on Biosensor Platforms	O. Kyung Koo, B. Jagadeesan, S. Shuaib, M. Ladisch, R. Bashir, A. Bhunia	Ladisch	A
Electrical Characterization of DNA Molecules in Solution Using Impedance Measurements	Y. Shao, X. Liu, P. Banada, S. Bhattacharya, A. Bhunia, R. Bashir	Ladisch	A
Integrated PCR Based Detection of Microorganisms in a Microfluidic	S. Salamat, S. Bhattacharya, D.	Ladisch	A

Biochip	Akin, P. Banada, D. Morisette, A. Bhunia, R. Bashir		
Mechanisms of Fluid Transport During Microorganism Recovery from Milk	P. McKinnis, J. Shin, X. Liu, M. Sedlak, M. Ladisch	Ladisch	A
Temperature Effects On Permeate Transmission and Microbe Recovery from Infant Formula	H. Vibbert, X. Liu, A. Serafin, N. Frank, N. Mosier, M. Ladisch	Ladisch	A
Microorganism Recovery and Concentration from Homogenized Hotdogs Using Crossflow Microfiltration	X. Liu, J. Huang, D. Wu, K. Ng, N. Frank, P. Banada , M. Ladisch	Ladisch	A
Concentration and Recovery of Microorganisms from Trisodium Citrate Treated Milk	Jaeho Shin, Peter McKinnis, Nathan Mosier and Michael R. Ladisch	Ladisch	A
A multiplex real-time PCR assay to detect and quantify three genera of mycotoxigenic fungi	Yenny Suanthie	Woloshuk	A
Engineering of Biosystems for Detection of Food Pathogens	A. Rodriguez ,R. Bashir, A. Bhunia, R. Linton, M. Ladisch	Ladisch	A
Utilization of a chromosomally based bioluminescent <i>Salmonella enterica</i> Poona to examine wound parameters affecting cantaloupe contamination.	YanYun Chen	Applegate	B
Mechanism of bacterial inactivation by chlorine dioxide.	Jameson G. Auer	Applegate	B
Novel Antimicrobial Packaging Using Bacteriophage	Udit Minocha	Applegate	B
Development of an On-line Biosensor for In-situ monitoring of Chlorine dioxide gas disinfection	Maria del Busto-Ramos	Applegate	B
Construction of a fluorescent reporter bacteriophage for detection of <i>E. coli</i> O157:H7.	Lynda Perry	Applegate	B
The use of Bioluminescence to Determine the Extent of Internalization and Metabolic Activity of <i>E. coli</i> O157:H7 in Romaine Lettuce Tissue	Bruce Applegate	Applegate	B
BARDOIT forward light scattering: A novel method for identification of <i>Vibrio</i> species	Dr. Seung-Ho Ohkl	Bhunia	C

Multiplexed Pathogen Detection Using Label-Free Laser Sensor	Dr. Padmapriya Banada	Bhunia	C
Characterization and identification of cytotoxic fraction from /Bacillus cereus	Dr. Padmapriya Banada	Bhunia	C
Development of a fiber-optic waveguide biosensor for the detection of **Salmonella Enteritidis in food	Dr. Viswaprakash Nanduri	Bhunia	C
A multiplex selective enrichment broth for simultaneous growth and detection of **Salmonella enterica, Listeria monocytogenes and Escherichia coli O157:H7	Hyochin Kim	Bhunia	C
Arsenic detection in food using bioreporter-based chemical sensors	David Schroeder, Aaron Nagel, Ben Gross, Dan Ausloos, David Nivens	Nivens	B
Construction of signaling cells for bioreporter-based chemical sensors	Aaron Nagel, Ailyn Lenz, Claudia Ionita, Katy Baughman, Bruce Applegate, David Nivens, and Michael Franklin	Nivens	B
Multichannel test bed for bioreporter-based chemical sensors development	Ben Gross, Tim Reed, David Schroeder, Aaron Nagel, Dan Ausloos, and David Nivens	Nivens	B
Optimization of analytical performance of bioreporter-based chemical sensors	Bonnie Co, Xinyu Shen, Zhengjun Xue, Craig Snoeyink, David Nivens, and Carlos Corvalan	Nivens	B