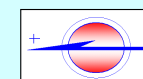


American Electrophoresis Society Program Grid

Annual Meeting, Salt Lake City, UT, November 5 – 9, 2007

All sessions held at the Salt Palace Convention Center



	Monday, November 5	Tuesday, November 6	Wednesday November 7	Thursday, November 8	Friday, November 9
8:30 am to 11:00 am Session	#11 - AES Plenary Session (T3000) Room 355 F Chair: Joseph J. Biernacki	#152 - Advances in Proteomics: New Technologies I (T3004) Room 355 E Chairs: Wayne Patton; Mark Lim	#337 - Advances in CE and Microdevice Technology for Genomic Analysis (T3007) Room 355 F Chairs: Michael Bowser; Kevin Dorfman	#521 - BioMEMS and Microfluidics: Sensing, Detection, and Integration (T3002) Room 355 F Chair: Chang Lu	#652 - Advances in Electrokinetics and Electrophoresis: DNA Applications (T3011) Room 355 F Chairs: Victor Ugaz; Malgorzata Witek
	CS Giometti: Multiplexed Analysis Of Microbial Proteomes (8:35)	ZH Fan: Gel-Free IEF In Plastic Microfluidic Devices (8:30)	GW Slater: Electrophoresis of DNA in Virtual Nanochannels (8:30)	N Islam: Integrated Nanoparticle Trapping Device (8:30)	SR Hiibel: CE-SSCP Analysis of Microbial Communities (8:30)
	K Resing: Protein Profiling of Melanoma Cell Lines (9:15)	Y Ge: Toxicoproteomics of Carcinogen-Treated Tissues (8:48)	OA Hickey: MD Simulations of Coatings For Quenching EOF (8:55)	DS Hou: Dielectrophoresis and Surface-Enhanced Raman (8:51)	JA Coyne: Free-Solution Conjugate Electrophoresis (8:50)
	D Friedman: Proteomics Using Difference Gel Electrophoresis (10:00)	CMR Lacerda: Quantitative Proteomic Analysis of a Soil Bacterium (9:06)	J Wang: Nanoporous Morphology of Hydrogel Separation Matrices (9:20)	N Bao: Bacterial Detection Based on Autofluorescence (9:12)	N Laachi: DNA Nanofiltration Far From Equilibrium (9:10)
		T Berkelman: Novel Fluorescent Dye for Protein Detection in Gels (9:24)	DG Hert: Entangled Polymer Networks for DNA Sequencing (9:45)	N Srivastava: Microfluidic Device for Flow Cytometric Analysis (9:33)	CP Fredlake: Designing Polymer Systems To Minimize Peak Widths (9:30)
		X. Peng: Functional Proteomics of Ion-Related Membrane Proteins (9:42)	P Kumaresan: Microemulsion Droplet Generator for Microbead DNA Sequencing (10:10)	R Surapaneni: Microfluidic GDNA Quantification (9:54)	ZR Gagnon: Dielectrophoretic Detection of Hybridized Genetic Beads (9:50)
		L-J Yan: Blue Native Page Analysis of Dldh (10:00)	MT Bowser: Microfluidic Selection Of Aptamers (10:35)	W-C Huang: ELISA in Surface Enhanced PMMA Microchannels (10:15)	MA Oyanader: Microchannel Designs for Electrophoretic Mixing (10:10)
		J Simler: Enriching Proteins for 2D Gel Electrophoretic Analysis (10:18)		NJ Graf: Soft-Polymer Piezoelectric Peristaltic Micropump (10:36)	HS Zhou: Simulation Of DNA Hybridization Kinetics (10:30)
		GB Smejkal: Tools For Optimizing Protein Isolation (10:36)			
	12:30 pm to 3:00 pm Session	#68 - BioMEMS and Microfluidics: Biomedical Diagnostics (T3001) Room 355 F Chairs: Joseph Biernacki; Bruce Gale	#215 - Advances in Proteomics: New Technologies II (T3005) Room 355 E Chairs: Yue Ge; Timothy Haystead	#212 - Advances in Electrokinetics and Electrophoresis - Particles and Biomolecules I (T3003) Room 355 F Chairs: Adrienne Minerick; Jonathan Posner	#396 - BioMEMS and Microfluidics: Novel Applications (T3008) Room 355 F Chairs: Shashi Murthy; Milica Radisic
C Lu: Delivery of Small Molecules into Mammalian Cells (12:30)		A. Sin: Protein Isoelectric Fractionation (12:30)	DN Petsev: Microfluidic Pumps and Mixers Based on Miniature Diodes (12:30)	J Chalmers: Immunomagnetic Cell Separation (12:30)	VM Ugaz: Gel Electrophoresis of DNA in Miniaturized Systems (12:33)
JE Gordon: Microfluidic Genetic Bead Hybridization Platform (12:48)		A Mikulskis: Orthogonal Affinity Capture and Detection (12:48)	J Lerlertwanich: Radial Free Flow Electrophoresis of Proteins (12:55)	NW Choi: Microfluidic Scaffolds for 3D Cell Culture and Oxygen Sensing (1:10)	CF Ivory: IEF in Contraction-Extraction Microchannels (1:18)
Y Wen: Microfluidic Microbioreactor Array (1:06)		WF Patton: Pressurized Planar Electrochromatography & Tandem MS (1:06)	CF Ivory: Equilibrium Gradient-Focusing Methods (1:20)	J Wang: Microfluidic Cell Fusion Under Constant DC Voltage (1:30)	JS Paschke: Multidimensional Isotachophoretic Focusing (1:38)
DC Pregibon: Barcoded Microparticles for Biomolecule Detection (1:24)		PA DiMaggio: Hybrid Methodology For Peptide Identification (1:24)	AT Woolley: Electric Field Gradient Focusing w/ Nonfouling Matrls (1:45)	S Wang: Converging Flow Electroporation For Drug And Gene Delivery (1:50)	X Xuan: Ionic Separation In Nanofluidic Channels (1:58)
SS Keshavamur: Blood Antigen Contributions in Dielectrophoresis (1:42)		L Pasa-Tolic: Characterizing Intact Proteins And Their Modifications (1:42)	BJ Hawkins: Dielectrophoretic Manipulation of Mycobacterium (2:10)	JM Burke: Design Considerations for Dynamic Field Gradient Focusing (2:10)	PS Doyle: DNA Dynamics in Microfluidic Post Arrays (2:18)
SK Murthy: Separation of Cardiac Cell Subpopulations (2:00)		AG Pereira-Medrano: Metabolic Labeling And Tandem Mass Spectrometry (2:00)	JA Pascal: Electrohydrodynamics In Nanoparticle-Embedded Gels (2:35)	JA Pascal: Optimizing an Electrokinetic Couette-Based Separator (2:30)	RG Larson: Multiple Collision Regimes Against a Thin Post (2:38)
MA Witek: Polymeric Microfluidic Chips for Bioanalysis (2:18)		N Kendrick: Identification of Phospho-tyrosine-Containing Proteins (2:18)			
S Sundberg: Miniaturization of Warfarin Metabolism Genotyping (2:36)		MJ Lim: Cell-Free Expressed Protein Libraries (2:36)			
3:30 pm to 6:00 pm Session		#119 - BioMEMS and Microfluidics: Cell and Biomolecule Analysis (T3008) Room 355 F Chairs: Nimisha Srivastava; Siva Vanapalli	#273 - Advances in Electrokinetics and Electrophoresis - Particles and Biomolecules II (T3014) Room 355 F Chair: Adrienne Minerick	#458 - BioMEMS and Microfluidics: Proteome Analysis (T3010) Room 355 F Chairs: Mario Oyanader; Marvi Matos	#614 - Advances in Electrokinetics and Electrophoresis: Fundamentals II (T3016) Room 355 F Chairs: Sharon Sauer; Pedro Arce
	J Wang: Single Molecule DNA Stretching by Microfluidics (3:30)	RE Forster: Temp-Mediated Purification Of Genomic Material (3:30)	M Salim: EOF in Plasma Polymerised Microchannels (3:30)	CF Ivory: Dispersion in Microchannel Electrophoresis (3:33)	
	R Vuppala: Chemotaxis of E. Coli in a Microfluidic Device (3:50)	KD Dorfman: Band Broadening in Microchannels (3:55)	BE Root: Size-Based Protein Separation by Microchip Electrophoresis (3:55)	DN Petsev: Transport in Si/SiO2 Fluidic Nanochannels (4:18)	
	DN Hohne: Local Rheology of Viscoelastic Biomaterials (4:10)	D Tietz: Computer-Assisted Analysis of 2-D Gel Patterns (4:20)	N Bao: Differential Release of Intracellular Molecules (4:20)	P Dutta: Field Effect Flow Control In PDMS Microchips (4:38)	
	JG Kralj: Microfluidic Systems For Gene Expression Analysis (4:30)	S Wang: DNA EP Mobility - Function of Configuration (4:45)	A Sadana: Fractal Analysis of Binding Kinetics on a SPR Biosensor (4:45)	C Davidson: Electrokinetic Energy Conversion in Nanochannels (4:58)	
	F Shaikh: Label-Free DNA Detection In Microchannels (4:50)	B. Khusid: Clustering Of Counterions On Flexible Polyelectrolytes (5:10)	JA Pascal: Predicting Electrohydrodynamic Flow Rates In Capillaries (5:10)	G Navaneethan: Electrokinetic Instabilities in Non-Dilute Colloids (5:18)	
	H Lu: High-Throughput Imaging and Sorting of C. Elegans (5:10)	HE Sedrick: Nanoparticle-Composite Gels For Protein Separation (5:35)		PT Underhill: DNA Stretch During Electrophoresis (5:38)	
	BG Chung: Microenvironments with Controlled Properties (5:30)				

#333 - AES Poster Session (T3006), 6:30-8:30 PM, Exhibit Hall B