

# American Electrophoresis Society Program Grid

Annual Meeting, San Francisco CA, November 13 – 17, 2006

	Monday, November 13	Tuesday, November 14	Wednesday, November 15		Thursday, November 16	Friday, November 17		
<b>Approx. Time</b>	<b>T3000 AES Plenary Session</b> Hilton – Yosemite A Chairs: Adrienne Minerick, Victor Ugaz	<b>T3003 Advances in Electrokinetics &amp; Electrophoresis: Particles &amp; Biomolecules</b> Hilton – Yosemite A Chairs: Nimisha Srivastava, Victor Ugaz	<b>T3009 Advances in CE and Microdevice Technology for Genomic Analysis</b> Marriott – Yerba Buena Ballroom 2 Chairs: Malgorzata Witek, Adrienne Minerick		<b>T3004 BioMEMS and Microfluidics: Novel Apps</b> Marriott – Yerba Buena Ballroom 3 Chair: Susan Bridges	<b>T3010 Advances in Electrokinetics and Electrophoresis: DNA Applications</b> Hilton – Union Square 19 & 20 Chairs: Victor Ugaz, Jayne Wu	<b>T3011 Advances in Electrokinetics and Electrophoresis: Fundamentals</b> Hilton – Grand Ballroom A Chairs: Pedro Arce, Mario Oyanader	
<b>8:30 AM</b>	Welcoming Remarks	JD Hoggard Electrolyte Dependent Particle Separation	CP Fredlake Sequencing 600 DNA bases in 6.5 Minutes	B Gale Continuous Flow PCR Microchip	CF Ivory Simultaneous 2D Electrofocusing	P Parakash Charged Membranes in Electroosmotic Pumping		
<b>8:40 AM</b>	PW Bohn Nanofluidics and Chemical Analysis							
<b>8:55 AM</b>		CF Ivory Isotachopheresis: From Grams to Nanograms	VM Ugaz Nanostructure of Polyacrylamide Hydrogels	Y-J Juang Gel-preloaded Microchips for DNA Analysis	PS Doyle DNA Collisions with a Single Post	JR Newton Surface Characteristics Vs. Protein Expression		
<b>9:17 AM</b>	RH Liu Microfluidic Electro-sensor Biochips	MT Dulay Photopolymerized Sol-Gels	RM Meagher Drag-Tags for ELFSE DNA Sequencing	C Lu High-throughput Single Cell Electroporation	KD Dorfman Microfluidic Post Arrays	JM Burke Performance in Dynamic Field Gradient Focusing		
<b>9:45 AM</b>		AR Minerick Dielectrophoretic Pathogen Destruction	R. Sinville Microchip Electrophoretic Mutation Analysis	AM Doke Fractal Analysis of Pathogen Detection	Z Chen Confocal Microscopy of DNA Electrophoresis	E Stellwage Binding of Monovalent Cations with Oligos		
<b>9:50 AM</b>	HK Wickramasing Ultra-fast Molecule Sorting by AFM							
<b>10:10 AM</b>		A Docoslis Electrokinetic Capture of Viral Particles	AT Woolley High-Performance CE Microchips	DS Hou Chip-Scale Surface Enhanced Raman	NC Stellwage Charge of DNA Fragments with Variable A-Tracts	RP O'Hara Separation in Electrokinetic Couette Device		
<b>10:25 AM</b>	LI Grossman Comput. Analysis of Molecular Evolution							
<b>10:35 AM</b>		J Godoy Electro-Advective Biomolecule Separations	MA Oyanader Orthogonal Electric Field Separations	D Luo Microfluidic Cell Encapsulation	J-R Pascault Electrokinetic Mixing Hybridization Enhancement	D Dutta Electrokinetic Transport in Nanofluidic Channels		
	<b>T3005 BioMEMS and Microfluidics: Biomedical Diagnostics</b> Hilton – Yosemite A Chairs: Joseph Biernacki, Bruce Gale	<b>T3001 Advances in Proteomics: New Technologies I</b> Hilton – Yosemite A Chair: Wayne Patton	<b>Wednesday pm is open</b>		<b>T3006 BioMEMS and Microfluidics: Proteome Analysis</b> Hilton – Union Square 19 & 20 Chairs: Amy Herr, Rajiv Bharadwaj	<b>Many thanks to our meeting organizers!</b>		
<b>12:30 PM</b>	S Sengupta Microfluidic Blood/Plasma Fully Automated Nanoliter Viscometer	Y Kang Enhanced Mesoderm Different. of Es Cells	<p><b>Poster Reception 6:30-9:00 pm Tuesday</b> Hilton - Grand Ballroom B Refreshments will be served.</p> <p><b>Events:</b> AES Student Poster Competition AES - NIH Expense Grant Awards</p> <p><b>Sponsored by GE Healthcare.</b></p>		BR Fonslow Free Flow Electrophoresis Chip	Adrienne R. Minerick and Victor M. Ugaz and all Session Chairs and Vice Chairs		
<b>12:55 PM</b>	N Srivastava Microchip Immunodiagnostic Assays	PA DiMaggio Peptide Identification by Linear Optimization			C Lu Microfluidic Chemical Cytometry	H Cui Solid-State Microvalve for Electrokinetic Separ.		
<b>1:20 AM</b>	C Park Microfluidic Purif. of Genomic DNA	B Xie Isobaric Mass Tagging Analysis			H Cui Channel Morphology on Electrophoresis	R Hidalgo On-chip Nonlinear Protein Electrophoresis		
<b>1:45 AM</b>	MA Witek On-chip Delivery of Molecules into Cells	KF Reardon Bioinformatics Enhanced Shotgun Proteomics			H Cui On-chip Nonlinear Protein Electrophoresis	RT Larsen BioMEMS ELISA Analysis of Serum Markers	<b>Many thanks also to AES Sponsors!</b>	
<b>2:10 AM</b>	H-Y Wang On-chip Real Time PCR	WF Patton Novel Gel Stains for Phosphoproteins						
<b>2:35 AM</b>	I-M Hsing On-chip Real Time PCR	PC Wright Chip-based Nano-electrospray MS						
	<b>T3008 BioMEMS and Microfluidics: Sensing, Detection, and Integration</b> Hilton – Yosemite A Chairs: Chang Lu, Joseph Irudayaraj	<b>T3001 Advances in Proteomics: New Technologies II</b> Hilton – Yosemite A Chair: Feng Wang					<b>T3007 BioMEMS and Microfluidics: Cell and Biomolecule Analysis</b> Hilton – Union Square 19 & 20 Chairs: Anubhav Tripathi, Joshua Molho	<b>CBS Scientific</b>
<b>3:15 PM</b>	H-C Chang Rapid Pathogen Detection	WF Patton Novel Phosphopeptide Analysis Techniques					H-Y Wang Electroporation in Variable Geometry Microchannels	<b>Danisco Genencor</b>
<b>3:40 PM</b>		D Nurok Pressurized Planar Electrochromatography					Y Wen Microfluidic 3D Cell Culture System	<b>GE Healthcare</b>
<b>3:55 PM</b>	KE Sung Microstencil Patterning						RJ Meagher On-chip Aqueous Two-phase protein extraction	<b>Kendrick Labs Inc</b>
<b>4:05 PM</b>		KF Reardon Analysis of Xenogenic Heart Valve Bioscaffolds				<b>Nonlinear Dynamics</b>		
<b>4:15 PM</b>	NS Lynn Protein Patterning Onto Waveguides				S Heilshorn Neuron-compatible Microfluidic Gradient Generator	<b>Procter &amp; Gamble</b>		
<b>4:30 PM</b>		BA Goghigian E. Coli-Derived Biosynthesis			Y Yang 3D Assembly of Cell-containing Devices	<b>Perkin Elmer</b>		
<b>4:37 PM</b>	Y-J Oh FET Flow Control in Nanofluidic Channels				H Lu BioMEMS Study of C. Elegans Olfaction	<b>Syngene</b>		
<b>4:55 PM</b>		KC Loh Proteome Analysis of Pseudomonas Putida			P. Takhistov Microelectrode Detection of Biofilm Cell Adhesion	<b>Contact AES</b>		
<b>4:58 PM</b>	DH Gracias Spatially Controlled Nanoliter Chemistry					<b>Madison, WI 53713</b>		
<b>5:20 PM</b>	D Srivastava Nanostructured Biomimetic Interfaces	N Kendrick 2D Phosphoprotein Western Blotting				tel: 608-258-1500 fax: 608-258-1569		
	<b>Expense Grant Awardees!</b>	<b>Poster Reception, 6:30-9:00 PM</b> Hilton Grand Ballroom B	<b>AES Business Meeting, 6:00 PM – Hilton, Franciscan A see above</b> <b>AES Banquet, 7:30 PM - see above</b>			Email: matt-aes@tds.net		