

TD: Annual Meeting of the American Electrophoresis Society

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Session 10 - Bioinformatics and Functional Genomics III: Focus on Transcriptomics

Chair: Christina Chan

Vice Chair: Agnes Ostafin

- 10f [Microarray and EST database estimates of mRNA expression levels differ: The protein length versus expression curve for *C. elegans*](#)
Enrique T. Munoz, Leonard D. Bogarad and Michael W. Deem

Session 12 - Bioinformatics and Functional Genomics IV: Focus on Proteomics

Chair: Kenneth F Reardon

Vice Chair: Alfred Gaertner

- 12e [Proposal to Present #12e: A Proteomic Approach to Identify Physiological Changes in *E. coli* Metabolically Engineered for Enhanced TCE Degradation and Toxicity Reduction](#)
C. M. R. Lacerda, K. F. Reardon, L. Rui and T. K. Wood

Session 128 - Frontiers in Proteomics

Chair: Thomas Kodadek

Vice Chair: George Georgiou

- 128c [Development of new two hybrid system suitable for proteomic study in periplasm of *Escherichia coli* based on anchored periplasmic expression \(APEX\) system.](#)
Ki Jun Jeong, Barrett R. Harvey, Brent L. Iverson, George Georgiou, Ki Jun Jeong, Barrett R. Harvey, Brent L. Iverson and George Georgiou
- 128f [Identification of Nuclear Protein Complexes Using Open Tube Capillary Chromatography](#)
P.E. Brown, D.P. Hornby and M.J. Dickman

Session 129 - Poster Session: AES Topical Meeting *

Chair: Annelise E Barron

Vice Chair: Kenneth F Reardon

Session 130 - New Methods for Proteome Analysis *

Chair: Kenneth F Reardon

Vice Chair: Phillip C Wright

Session 131 - Biomedical Applications of Proteomic Technologies *

Chair: Alex Kurosky

Vice Chair: Larry Denner

Session 132 - Poster Session: AES Topical Meeting - Please See Session 129 for Full Listing of Papers *

Chair: Annelise E Barron

Vice Chair: Kenneth F Reardon

Session 133 - AES Plenary Session - (Please Note the Later Start of This Session) *

Chair: Annelise E Barron

Vice Chair: Kenneth F Reardon

Session 134 - Microfluidic Chips for Biomedical Applications

Chair: Adrienne R Minerick

Vice Chair: Rebecca A Zangmeister

- 134a [Dielectrophoretic Capture of Viral Particles from Media of Physiological Ionic Strength](#)
Aristides Docoslis, Luis A. Tercero Espinozab, Barbara A. Israelc, Nicholas L. Abbottb and Paschalis Alexandridisd

134b [Long-Range Electrokinetic Bioparticle Trap](#)
Jie Wu and Hsueh-Chia Chang

Session 135 - Poster Session: AES Topical Meeting - Please See Session 129 for Full Listing of Papers *

Chair: Annelise E Barron
Vice Chair: Kenneth F Reardon

Session 136 - Microfluidic Chips for Proteome Analysis

Chair: Andrea Chow
Vice Chair: Steve Jacobson

136b [Multi-Dimensional Microchip Electrophoresis of Proteins](#)
Hamed Shadpour and Steven A. Soper

Session 137 - Genomic Assays in Microchannel Electrophoresis Systems

Chair: Victor M Ugaz
Vice Chair: Annelise E Barron

137c [Selective DNA screening in microfluidic channels by electrophoresis through hydrogel matrices](#)
Rebecca A. Zangmeister and Michael J. Tarlov

Session 138 - Electrophoretic Biomolecule Analysis on Microfluidic Platforms

Chair: Steven A Soper
Vice Chair: Don Devoe

138a [Rapid Determination of Metabolic Markers by Microchip CE-ECD](#)
Charles S. Henry, Carlos D. Garcia, Yan Liu and Jonathan J. Vickers

138b [On-Chip CGE Protein Separations with Off-Line MALDI-MS Analysis](#)
Y.-X. Wang , Y. Zhou , J.W. Cooper , Y. Li , C.S. Lee and D.L. DeVoe

Session 139 - Electrokinetics and Microfluidics

Chair: James C Baygents
Vice Chair: Darrell Velegol

139e [Nonlinear Effects in Field Amplified Sample Stacking](#)
Rajiv Bharadwaj and Juan G. Santiago

* These papers were unavailable at the time of publication.