Seating is limited!

Register today at:

www.waters.com/EBSS

For more information or questions, contact
Linda Muscatell at 800-252-4752 x8788

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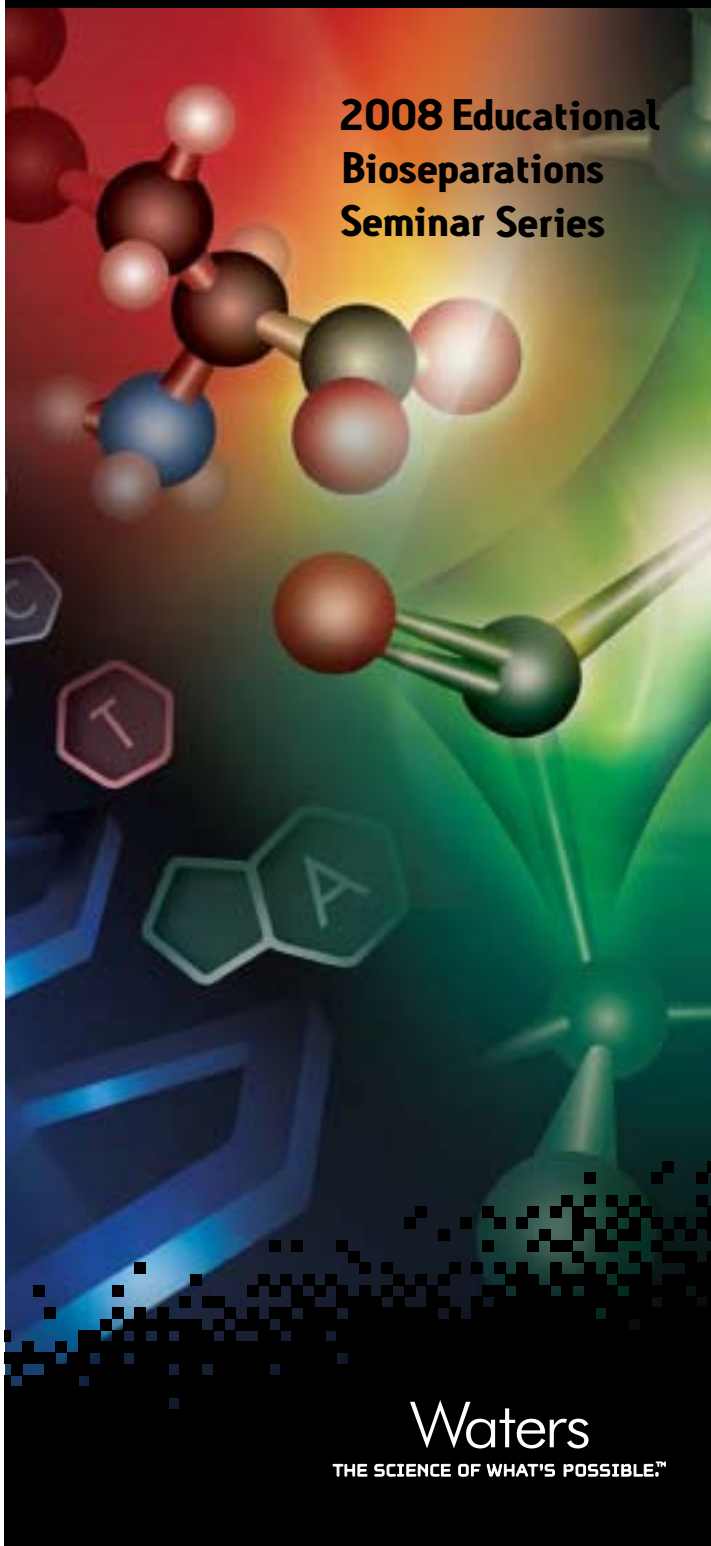
[FREE WATERS SEMINAR]



8:00am - 9:00am Registration

9:00am UltraPerformance LC® Method Development for Biomolecules
The development of separations for the complicated sets of molecules derived from biological systems using sub-2 micron particle chemistries is examined. We will survey the choices of column chemistries and separation conditions that enable high resolution, high sensitivity methods for amino acids, peptides, proteins and oligonucleotides.

10:15am Use of Ion-Pair Reversed-Phase LC-UV/MS for Oligonucleotide Analysis
This presentation describes the principles of ion-pair reversed-phase chromatography for separation of oligonucleotides. Criteria for developing and optimizing methods for resolution, detection sensitivity and compatibility with mass spectrometry will be detailed. These methods are applicable to oligonucleotide quality control and lab scale purification. Applications examples will include phosphorothioate oligonucleotides, RNAi, and separation of RNA duplexes from their single stranded counterparts.

11:00am Break

11:15am An Integrated Informatics Approach for Managing and Reporting Biopharmaceutical Data
The processing and reporting of analytical data presents a major limitation to the productivity of scientists involved in biopharmaceutiacl applications today. This presentation will show how the use of integrated informatics can assist in the management, processing, and reporting of biopharmaceutical data, while also assisting in the protection of intellectual property.

12:00pm Lunch (provided)

1:00pm A Comprehensive Strategy for UPLC®/MS/MS Based Proteomics
Challenges of complex protein analysis include sample preparation, instrument robustness, analysis methods and data manipulation. This presentation will survey new integrated workflow strategies that provide both qualitative and quantitative results. Those results can then be validated with directed experiments, and be scaled up for high throughput screening or integrated into biological discovery workflows.

2:00pm Optimizing Biopharmaceutical Research Using Ion Mobility High Definition MS
High Definition Mass Spectrometry™ (HDMS™) combines reproducibile, high effieciency ion mobility separations with high performance mass spectrometry. A survey of applications ranging from the charaterization of large macromolecular structures such as polyethylene glycol and intact proteins to the complete characaterization of glycopeptide structure will show how the additional dimension of separation provides greater detail for probing biological systems.

2:45pm Break

3:00pm New Technology Update

- The TRIZAIC™ UPLC® Proteomics System is a microfluidic platform used when sample quantity is limited. This unique nanoTile™ technology integrates the control and separation capabilities expected from true UPLC® in a single, easy to use electrospray LC/MS device.
- A nanoACQUITY UPLC® System configured for high pH, low pH reversed phase-reversed phase (2D LC) protocols addresses the challenges of resolution and peak capacity in complex samples.
- The Xevo™ TQ MS platform, with its innovative ScanWave™ technology, provides users with new capabilites in quantitative and qualitative analysis. We will discuss applications that integrate fast, high sensitivity full-scan analyses within ion monitoring methods.

4:00pm Meeting Close

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DATES & LOCATIONS

ARIZONA
Tucson- October 16

CALIFORNIA
Long Beach - October 15

GEORGIA
Atlanta - October 9

INDIANA
Indianapolis - September 16

NEW JERSEY
Parsippany - September 10

NEW YORK
New York City - September 15

MARYLAND
Rockville - October 8

MASSACHUSETTS
Milford - September 17

PENNSYLVANIA
Plymouth Meeting - October 7

TEXAS
Houston - September 17

WASHINGTON
Lynwood - October 14

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