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MEETINGS

Poster Sessions

10:45–12:15

Clinical Analysis I
HPLC of Biopolymers I
Analysis of Drugs I

Poster Sessions

1:15–2:45

Clinical Analysis II
HPLC of Biopolymers II
Analysis of Drugs II

Lecture Session 20

3:00–5:00

Trace Analysis

Measurement of DNA Adducts by MS. R. W. Giese and P. Vouras, Northeastern U
Amino Acids, Peptides, and Proteins: Practical Pursuits at Picomole Levels. D. Strydom, Brigham and Women's Hospital
Amino Acid Analysis of Proteins at the Femtomole Level. M. D. Oates and J. J. Jorgenson, U of North Carolina, Chapel Hill
Electrochemical Detection of Peptides and Their Cyanobenz[*f*]isindole Derivatives. M. A. Nussbaum, Ripon College; C. M. Riley and S. M. Lunte, U of Kansas
Trace Enrichment by Displacement Chromatography. R. S. Ramsey and G. Guiochon, ORNL; A. M. Katti, U of Tennessee

Lecture Session 21

3:00–5:00

HPLC of Biopolymers II

HPLC Thiophilic Adsorbents for Purification of Antibodies and their Application in Immunoaffinity Chromatography. M. Wilchek, B. Nopper, E. A. Bayer, and F. Kohen, Weizmann Institute of Science, Israel
Functional Flexibility and Protein Chromatography. S. Shaltiel, Weizmann Institute of Science, Israel
Adsorption Behavior of Human Growth Hormone (hGH) and *N*-Methionine hGH in Reversed-Phase Chromatography. P. Oroszlan and B. L. Karger, Northeastern U; G. Teshima, S.-L. Wu, and W. S. Hancock, Genentech
Visualization of Proteins on Surfaces of Macroporous Chromatographic Resins. E. Firouztalet, C. Beatty, and G. M. Von Blohn, Rohm and Haas; J. Burton, Lehigh U
Chromatographic Determination of the Relative Free Energies of Amino Acid Sidechain-Sidechain Interactions Using an Aqueous Mobile Phase and Their Applicability to the Protein Unfolding Problem. T. C. Pochapsky and Q. Gopen, Brandeis U

Lecture Session 22

3:00–5:00

Novel Applications of HPLC

HPLC of Catechol-Related Compounds in a Clinical Diagnostic Laboratory and in Therapeutic Monitoring. C. Lucarelli, Istituto Superiore di Sanità, Italy
Trace Analysis of Aliphatic Amines in the Environment Using Derivatization-Sorption Techniques. J. Churáček, H. Pechová, K. Ventura, and P. Jandera, U of Chemical Technology, Czechoslovakia
Reversed-Phase HPLC of Erythromycin Using Chemiluminescence and UV-vis Detection. N. D. Danielson, L. He, and L. Trelli, Miami U; D. K. Morgan, Abbott Laboratories
HPLC Method Development for Pharmacokinetic and Metabolic Studies of GYKI-14766 Using Pre- or Postcolumn Derivatization. G. Szepesi and I. Valkó, Institute for Drug Research, Hungary
On-Line HPLC-NMR Coupling. K. Albert and E. Bayer, U of Tübingen, F.R.G.
Multiple Peak Formation and Interconversion in the Reversed-Phase LC of Trilostin A and Its Analogues. T. V. Alfredson and A. H. Maki, U of California, Davis; M. E. Adaskaveg and J. L. Excoffier, Varian Associates; M. J. Waring, Cambridge U, U.K.

Discussion Session

5:15–6:00

HPLC of Biopolymers

Friday

Lecture Session 23

8:30–10:00

Rapid HPLC of Biological Macromolecules: Means and Applications. C. Horváth, K. Kalghatgi, J. Horváth, and F. Antia, Yale U
Applications of HPCE in the Biological Sciences. B. L. Karger, A. S. Cohen, D. N. Heiger, R. S. Rush, J. Y. Chen, and D. Najarian, Northeastern U

Lecture Session 24

10:30–12:00

Combinations of Chromatography and Electrophoresis with MS. R. D. Smith, H. R. Udseth, C. G. Edmonds, C. J. Barinaga, and J. A. Loo, Pacific Northwest Laboratories
Role of Temperature in High-Speed HPLC. F. Erni, Sandoz, Switzerland



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