American Society for Mass Spectrometry

Electrochemistry-MS
Posters

Monday, June 5

■ *Glycoproteins I*

MP 289 New HPLC column for the fast analysis of carbohydrates and glycans by LC-MS

10:30am - 2:30pm

Hendrik-Jan Brouwer [1]; Jean-Pierre Chervet [1]; Christian Marvelous [1]; Thijs Mulder [1]; Martin Eysberg [2]*

[1] Antec Scientific, Alphen a/d Rijn, Netherlands; [2] Antec Scientific, Boston, MA

■ *Protein Therapeutics: Structural Characterization*

MP 604 Standard-free absolute quantitation of antibody deamidation degradation and host cell proteins by coulometric mass spectrometry

10:30am - 2:30pm

Yongling Ai [1]; Harsha P. Gunawardena [2]; Xuanwen Li [3]; Yong-Ick Kim [1]; Howard D. Dewald [4]; Hao Chen [1]*

[1] New Jersey Institute of Technology, Newark, NJ; [2] Janssen Research & Development, Spring House, PA; [3] Analytical Research & Development, Merck & Co., Inc., Kenilworth, NJ; [4] Ohio University, Athens, OH

■ *Proteomics: Quantitative I*

MP 723 Absolute quantitation of peptides and proteins after derivatization by coulometric mass spectrometry

10:30am - 2:30pm

Praneeth Ivan Joel Fnu [1]; Md Tanim-Al-Hassan [1]; Yongling Ai [1]; Hao Chen [1]

[1] New Jersey Institute of Technology, Newark, NJ

Tuesday, June 6

■ *Antibodies & Antibody Drug Conjugates I*

TP 021 Simplified sample preparation of mAbs subclasses and subunits using electrochemical reduction for inline LC-MS analysis

10:30am - 2:30pm

Martin Eysberg [1]; Jonathan Bones [2]; Ken Cook [3]; Tomos E. Morgan [2]; Jean-Pierre Chervet [4]*

[1] Antec Scientific, Boston, MA 02108; [2] NIBRT, Dublin, Ireland; [3] Thermo Fisher Scientific, Hemel Hempstead, United Kingdom; [4] Antec Scientific, Alphen a/d Rijn, Netherlands

Wednesday, June 7

■ *H/D Exchange: Hardware, Software and Methodology*

WP 297 HDX-MS with in-line electrochemical reduction of disulfide bonds - state of the art

10:30am - 2:30pm

Hendrik-Jan Brouwer [1]; Jean-Pierre Chervet [1]; Martin Eysberg [2]*

[1] Antec Scientific, Alphen a/d Rijn, Netherlands; [2] Antec Scientific, Boston, MA

Thursday, June 8

■ *Metabolomics: Identification of Unknown Metabolites*

ThP 497 Investigation of the zearalenone metabolism using Electrochemistry-MS: Electrochemical vs. in vitro and in silico approaches

10:30am - 2:30pm

Jean-Pierre Chervet [1]; Lusi van Heerwaarden [1]; Bogusław Buszewski [2]; Małgorzata Szultka-Młynska [2]*

[1] Antec Scientific, Alphen a/d Rijn, Netherlands; [2] Nicolaus Copernicus University, Faculty of Chemistry, Torun, Poland