

**THE THIRD LAKE LOUISE WORKSHOP**  
**HYBRID AND MULTI-SECTOR TANDEM MASS SPECTROMETRY**

**29 November - 1 December 1990**

**PROGRAMME**

**Thursday 29 November. Chairman: Simon Gaskell**

**Morning Session**

- 8:30            Al BURLINGAME - *Tandem mass spectrometry and problems in structural biology*
- 9:30            Steve MARTIN, J.E. Vath, H.A. Scoble - *The role of tandem mass spectrometry in the structural characterization of recombinant glycoproteins*
- 10:30           Coffee
- 11:00           Discussions and contributed presentations
- 12:30           Lunch

**Afternoon session**

- 2:00            Mike GROSS - *Radical cations, biology and tandem mass spectrometry*
- 3:00            Coffee
- 3:30            Ray MARCH, J. Wang, X. Zhang - *Tandem mass spectrometry of methylenium alcohol,  $CH_2OH^+$ , and deuterated analogues*
- 4:30            Discussion and contributed presentations

**Friday 30 November. Chairman: Michel Bertrand**

- 8:30            Julie LEARY - *Collision energy ramping and gas phase ion studies of lithium cationized oligosaccharides*
- 9:30            Kelsey COOK - *Probing products of FAB-induced chemistry*
- 10:30           Coffee
- 11:00           Discussion and contributed presentations
- 12:30           Lunch
- Afternoon      Free
- Evening        Workshop Dinner: Cash Bar 7:30 pm; Dinner 8:00 pm

**Saturday 1 December. Chairman: Paul Brooks**

8:30 Michel BERTRAND - *MS<sup>n</sup>, myth or reality*  
9:30 Jim SCRIVENS - *MS-MS in trace analysis*  
10:30 Coffee  
11:00 Discussion and contributed presentations  
12:30 Lunch  
Afternoon Free

**Contributed presentations**

**Thursday 29 November:**

Gary Glish - *CID of peptides: is time scale important?*  
Lawrence Hogge - *Practical applications of MS/MS in plant biotechnology*  
Brian Musselman - *Parent ion scans on a four-sector mass spectrometer: application to geoporphyrin analysis*  
Jean-Claude Promé - *Structure of post-translationally modified human hemoglobins of group A1b using electrospray, high resolution SIMS and MS/MS*  
Simon Gaskell - *Effects of floating the collision cell in high energy CAD*

**Friday 30 November:**

Robert Doyle - *The dissociation of a new polycyclic nitramine characterized with hybrid MS/MS techniques*  
David Parees - *Elucidation of decomposition mechanisms in 2,3-difluorodimethylsuccinic acid diester*  
Lester Taylor - *MS/MS for structural analysis of drug metabolites*

**Saturday 1 December:**

Paul Brooks - *GC-MS/MS: an essential tool in organic geochemical studies of in situ reservoir biodegradation studies*  
Paul Pearson - *Analysis of glutathione conjugates in parent ion MS/MS*  
Colin Moore - *Hybrid MS/MS of dioxins*  
Simon Gaskell - *Applications of unusual scan types in hybrid tandem MS*