

**THE SECOND LAKE LOUISE WORKSHOP
HYBRID AND MULTI-SECTOR TANDEM MASS SPECTROMETRY
30 November - 2 December 1989**

PROGRAMME

Thursday 30 November

Morning Session - Chairman: Michel Bertrand

- 8:30 Pierre THIBAUT - *Application of tandem MS in structural characterization of peptides and bacterial metabolites*
- 9:30 Lester TAYLOR - *Problem oriented approaches to structural identifications*
- 10:30 Coffee
- 11:00 Gordon McKAY - *Quantitation of fluphenazine using multiple reaction monitoring on a hybrid mass spectrometer*
- 12:00 Discussion
- 12:30 Lunch

Afternoon Session - Chairman: Paul Brooks

- 2:00 Tom BALLIE - *Applications of hybrid tandem MS to studies in drug metabolism and toxicology*
- 3:00 Discussion and contributed presentations (including contributions from Kevin Ballard, Bob Boyd, Judy Charles, Paul D'Agostino, John Monaghan, Paul Pearson, Tony Mallet, Michaela Nali, Jim Scrivens) (Break for coffee at 3:30).

Friday 1 December

Morning Session - Chairman: Bob Boyd

- 8:30 Gary GLISH - *Non-conventional geometry hybrid instruments: the whys and whats of 'reverse' thinking*
- 9:30 Arnie FALICK - *Characteristics and applications of a 4-sector tandem MS with array detection*
- 10:30 Coffee
- 11:00 Discussion and contributed presentations (including contributions from Ad De Jong, Sydel Lewis, Ken Tomer, Steve Wilson)
- 12:30 Lunch

Afternoon - Free

Evening - Workshop Banquet: Cash Bar 7:30 pm; Dinner 8:00

Saturday 2 December

Morning Session - Chairman: Simon Gaskell

- 8:30 Cathy COSTELLO - *Four sectors, four years, forecasts*
- 9:30 Mike GROSS - *Tandem sector mass spectrometry: new design and applications for determining metal ion/peptide interactions*
- 10:30 Coffee
- 11:00 Discussion and contributed presentations (including contributions from Simon Gaskell, Ray March, Chester Mirocha, Ron Orlando, Jean-Claude Tabet).
- 12:30 Lunch

Contributed Papers

- Kevin Ballard:** Tandem MS strategies in the characterization of the glutathione conjugate of a substituted furan
- Bob Boyd:** Investigations of unstable isocyanide fungal metabolites stabilized as rhodium complexes
- Judy Charles:** MS/MS of polyhalogenated dibenzo-p-dioxins and dibenzofurans
- Paul D'Agostino:** Capillary column GC-MS and GC-MS/MS detection of chemical warfare agents in a complex matrix
- Ad De Jong:** Some experiences with LC-frit FAB MS/MS of peptides
- Simon Gaskell:** Recent analytical developments on a BEqQ hybrid instrument and comparison with a four sector instrument
- Sydel Lewis:** Should electrospray be interfaced to a hybrid?
- Tony Mallet:** Application of tandem mass-spectrometry in analysis of fungal lipids
- Ray March:** Observations of processes occurring in the acceleration region of a double focussing mass spectrometer
- Chester Mirocha:** Preliminary report on collaborative CAD study
- John Monaghan:** Negative ion FAB-MS-MS of sulphonated dyestuff intermediates
- Michaela Nali:** An organic geochemical study of the saturated fraction of some Italian oils by GC-MS and GC-MS/MS
- Ron Orlando:** Endothermic ion-molecule reactions: strategies for MS-MS structural analysis of large biomolecules
- Paul Pearson:** Bioactivation of Malo alkanes via conjugation with Glutathione - Applications of Tandem Mass Spectrometry
- Jim Scrivens:** MS/MS in trace analysis
- Jean Claude Tabet:** New results obtained by tetraquadrapole MS/MS/MS (SID-CAD)
- Ken Tomer:** Comparison of selected decomposition monitoring on a hybrid instrument with SIM in dioxin analysis
- Steve Wilson:** LC-MS/MS on a novel geometry hybrid instrument