



Telemetry in Animal Research: New Directions and Developments Brisbane, Australia

Wednesday, December 6, 2006

Agenda

- 10:00 a.m. Registration and refreshments
- 10:25 Welcome and Introductions
- 10:30 "Assessment of Blood Pressure in Experimental Animals"
Bruce Van Vliet, Ph.D.; Memorial University of Newfoundland, Canada
- 11:15 "Behavioural studies in mice utilising telemetry"
Dmitry Mayorov, Baker Heart Research Institute
- 11:30 "Insight Into Central Neural Control Of Heart Rate In Conscious Rats Using Spectral And Time Domain Analysis "
CM Hildreth, JR Padley, PM Pilowsky, AK Goodchild. Hypertension and Stroke Research Laboratories; Department of Neurosurgery, Kolling Institute, University of Sydney
- 11:45 "Telemetry for drug research"
Bruce Mungall, CSIRO
- 12:30 p.m. Lunch / round table discussions
- 1:30 "Overview of Dataquest A.R.T. Acquisition & Analysis Capabilities as well as an Introduction to the DSI-Ponemah software"
Jessica Swanson and Byron Shen, Data Sciences International, USA
- 2:00 "Chronic high dose angiotensin II treatment increases mean arterial pressure variability in rats."
Amanda Sampson, Monash University
- 2:15 "The application of telemetry in old mice"
Michelle Kett, Monash University
- 2:30 "Telemetric analysis of chronic blood pressure regulation during renin angiotensin system inhibition in aged rats"
Emma Jones, Monash University
- 2:45 BREAK
- 3:00 "Changes in core and surface temperature during stress. Combining telemetry with infrared thermography." *Pascal Carrive, University of New South Wales*



- 3:30 “A new approach to wireless monitoring of physiological signals. “
Simon Malpas, University of Auckland
- 4:00 “Analysis strategies for telemetry data”
Geoff Head, Baker Heart Research Institute
- 4:30 “Recent products and applications from DSI”
Jessica Swanson and Byron Shen, Data Sciences International
- 4:45 How-To Session—Topic 1
- 5:00 How-To Session—Topic 2
- 5:15 How-To Session—Topic 3
- 5:30 How-To Session—Topic 4
- 5:45 p.m. Meeting adjourns
- 6:30 p.m. Group Dinner at Belgian Beer Café Brussels

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