

MOOT XIX NMR Symposium - Program.txt - Wednesday, September 20, 2006

Subject:
MOOT XIX NMR Symposium - Program
From:
"Glenn Penner" <gpenner@uoguelph.ca>
Date:
20 Sep 06 10:39:59

Dear Dr Bob Berno

Please find below a schedule for the MOOT XIX NMR Symposium.

We are happy to announce that all of the Students who are presenting TALKS will have their registrations (but not banquet) waived. So students and Supervisors take note of this when you pay.

Payment can be made by cash or cheque (Payable to the "University of Guelph")

Directions on where to park and how to get to Rosanski Hall are on the website at:
http://www.chemistry.uoguelph.ca/special_events/mootxix/

For those of you who are presenting posters the boards are 3' high by 4' wide (but will also accommodate 4 x 4 posters).

Posters are not numbered so it's first come first serve when it comes to putting up your posters. We hope to have the poster boards up by 8:00 so those students who want their posters in a good location should put them up between 8:00 and 8:45 am. Posters should be up by the end of the lunch period (1:30 pm).

*See you all at the MOOT!!!

Glenn Penner and Valerie Robertson

MOOT XIX NMR Symposium
University of Guelph, Guelph, Ontario
Sept. 23 & 24, 2006

Organizers: Glenn Penner and Valerie Robertson.

Final Program

Saturday, September 23

8:00 * 8:45
Registration and Poster Setup. Continental Breakfast.
(Rosanski Hall, Main Concourse)

Rm. 103 Rosanski Hall

8:50 * 9:00
Welcoming Remarks and Announcements
Chair: Glenn Penner

9:00 * 9:25
Multinuclear NMR studies of metal-directed self-assembly of
2', 3', 5'-O-riacetylguanosine
Irene Kwan* and Gang Wu
QUEEN'S UNIVERSITY

9:25 * 9:50
SAM domains: Functional diversity from a common protein fold
Logan Donaldson*
YORK UNIVERSITY

9:50 * 10:15
HRMAS NMR Study of Peptide Conformations in Solid-Phase Synthesis
William P. Power*, Fernando Amador, Tim Ramadhar, Michael Ditty and
Abdul-Hamid Emwas
UNIVERSITY OF WATERLOO

10:15 * 10:45
Coffee Break

10:45 * 11:10

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BIRD-HMQC and CT-HMBC-1: Promising Gel-phase Inverse NMR Experiments
for Determining the ¹H-¹³C Connectivities of Peptides on Wang Resin
Timothy R. Ramadhar*, Fernando Amador, William P. Power and Michael
Ditty
UNIVERSITY OF WATERLOO

11:10 * 11:35
The Challenge of Paramagnetism in ^{6,7}Li 2D Exchange NMR.
Lindsay S. Cahill*, Becky P. Chapman, Ago Samoson, Chris W. Kirby,
Gillian R. Goward
MCMASTER UNIVERSITY

11:35 * 12:00
The Memory Effect: DNMR of Liquid Crystal/Silica Dispersions
Jonathan Millette*, Dr. Linda Reven and Dr. C.T. Yim
MCGILL UNIVERSITY

12:00 * 1:30
Lunch (Bulldring)

Afternoon Session

Chair: Gord Hamer

1:30 * 1:55
NMR and Quantum Information Processing
Raymond Laflamme*, Jonathan Baugh, Osama Moussa, Colm Ryan, Martin
LaForest, Adam Hubbard
UNIVERSITY OF WATERLOO

1:55 * 2:20
Structural characterization of membrane disrupting proteins -
channels, pores and aggregates
Simon Sharpe*
HOSPITAL FOR SICK CHILDREN

2:20 * 2:45
Study in the Dry and Hydrated States of Crosslinked High Amylose
Starch by Solid State NMR Spectroscopy
Florence Janvier*, Sen Ge, Wilms E. Baillie, Heloise Therien-Aubin,
Xiao Xia Zhu, R.H. Marchessault
UNIVERSITE DE MONTREAL

3:00 * 5:30
Cocktail and Poster Session
(Rosanski Hall, Main Concourse)

5:30
Banquet (University Club, 5th floor University Centre)

Sunday, September 24

9:00 * 9:25
The quest for direct NMR detection of alkali metal ions in
G-quadruplex DNA
Gang Wu*
QUEEN'S UNIVERSITY

9:25 * 9:50
Inhibition of the Alzheimer's β -Peptide Oligomerization by Human
Serum Albumin: Molecular Basis Revealed by NMR
Julijana Mилоjević*, Giuseppe Melacini
MCMASTER UNIVERSITY

9:50 * 10:15
Fingerprinting cAMP-Signaling of Protein Kinase A by NMR
Rahul Das*, Mona Abu-Abed and Giuseppe Melacini
MCMASTER UNIVERSITY

10:15 * 10:45
Coffee Break

10:45 * 11:10
Solution NMR studies of structure and dynamics of BG21 isoform of
Golli myelin basic protein
Mumdooh Ahmed*, Vladimir Bamm, George Harauz and Vladimir Ladizhansky
UNIVERSITY OF GUELPH

11:10 * 11:35

Lateral diffusion of polymer grafted amphiphiles in magnetically oriented bicelles using Proton PFG-STE NMR
Ronald Soong* and Peter Macdonald
UNIVERSITY OF TORONTO

11:35 * 12:00

Fundamental Studies of the Stable Free Radical Polymerization Process. Kinetics and Mechanism by 500 MHz ¹H NMR.
Lichun Li*, Michael K. Georges and Gordon K. Hamer
UNIVERSITY OF TORONTO AT MISSISSAUGA

Posters

A Deuterium NMR and Quantum Chemical Study of Hydrogen Bonding in

Solid Amides
Renee Webber* and Glenn H. Penner

NMR Studies of Polymer Multilayers
Dr. Linda Reven and Blythe Fortier-McGill*

Structural and Functional analysis of Two Novel E. coli proteins
Matthew Revington*, Anthony Semesi, Adelinda Yee and Gary Shaw

In-vivo NMR of Daphnia Magma
Azadeh Shirzadi* and Andre Simpson

Pushing the Limits of NMR Spectroscopy : In Situ analysis of Organic Matter in Natural Waters
Buuan Lam*, Andre J. Simpson

Metabolic profiling optimization and identification of the major metabolites in the earthworm *Eisenia fetida*
Sarah A. E. Brown*, Andre J. Simpson and Myrna J. Simpson

Understanding the Reactivity of Environmental Contaminants through Epitope Mapping
Emma Smith* and Andre Simpson

An NMR Spectroscopic Investigation of Some Trimethylsilylbenzene and Trimethyltinbenzene Inclusion compounds with Thiourea
Liang Li* and Glenn H. Penner

A ¹⁰⁹Ag and ¹³C NMR and Quantum Chemical Study of Organosilver complexes
Xi aolong(Bruce) Liu* and Glenn H. Penner

Steady State Spectroscopy - CW NMR Lives!
Christopher Kumar Anand, Alex D. Bain, Zhenghua Nie*

NMR spectroscopy studies for understanding *Diphtheria Toxoid* used in vaccines
Simon Sauv**, Genevieve Gingras & Yves Aubin

Solid-State Chlorine NMR Studies of Catalytically Important Organometallic Species
Aaron J. Rossini*, Graham Briscoe and Robert W. Schurko

Solid-State ¹¹¹Cd, ⁷⁷Se, ¹⁹F, ¹³C and ¹H NMR Spectroscopy of CdSe Nanoparticle Aerogels and Xerogels
Andy Y. H. Lo,* Stephanie L. Brock, Indika Arachchiige, and Robert W. Schurko

Automated Small Volume NMR for Medicinal Chemistry
Dan Sorensen and Laird A. Trimble*

LC-MS-SPE/NMR for Rapid Isolation and Identification of Natural Products
Dan Sorensen*, Annie Raditsis, Laird A. Trimble, and Barbara A. Blackwell

Characterization of Protein Biotherapeutics Using an NMR-based Fingerprint Assay
Genevieve Gingras*, Simon Sauve and Yves Aubin

Solution structure and dynamics of a putative cohesion module from a

family 84 glycosylase of *Clostridium perfringens*, Seth Chitayat*, Jarrett J. Adams, Katie Gregg, Alisdair B. Boraston, Steven P. Smith*

Solution NMR investigations of a highly conserved segment of myelin basic protein (MBP) * Implications of a poly-II-proline helix on structure and membrane associations
D.S. Libich*, V.J. Robertson, M.M. Monette, G. Harauz

Solid state NMR studies of 18.5kD myelin basic protein (MBP) and its interaction with lipids
Ligang Zhong*, Vladimir Bamm, Jeffery Haines, George Harauz, Vladimir Ladizhansky

Structural characterization by high-resolution NMR of chemical components in noni (*Morinda citrifolia*) fruits from Vietnam
Thi Kim Anh Bui, Fleur Gagnon and Marie-Rose Van Calsteren*

National Ultrahigh Field NMR Facility for Solids
Victor Tserikh*

NMR Imaging Studies of Diffusion in High Amylose Starch Tablets
Heloise Therien-Aubin, Xiao Xia Zhu and Yu Juan Wang*

NMR Imaging Studies of Diffusion in High Amylose Starch Tablets
Heloise Therien-Aubin, Xiao Xia Zhu and Yu Juan Wang*

Proton Dynamics of Proton conductors Based on Nafion and Sulfonated Polyether Ether Ketones
Gang Ye *, Casey Mills, Gillian R. Goward

Solid-State NMR of Inorganic and Organometallic Copper(I) Complexes.
Joel A. Tang*, Bobby D. Ellis and Robert W. Schurko

NMR Studies of the Conserved Hydrophobic Region of the Human Prion Protein in Lipid Micelles
Daniel Buijs*, Genevieve Gingras, Yves Aubin

Characterizing Dynamics in Cesium Solid Acids Using ¹H and ³¹P Solid-State NMR.
Kristen J. Soo*, Jason W. Traer, Gillian R. Goward

Contrasting the Roles of Cation and Anion Dynamics: Models of Conductivity in Benzimidazole based materials
Jason W. Traer*, James F. Britten, Gillian R. Goward

Experimental and Theoretical Investigations of Selenium Chemical Shielding Tensors in Planar Heterocycles
Andre Sutrisno*, Paul Ragogna, Robert Schurko

Liposomes? -Model membrane systems containing Chlorhexidine.
Sara Sadeghi *, Z. Trskova, M Chamberlain, E. Sternin