nanomedicine and drug delivery symposium -

NanoDDS'08

ORGANIZING COMMITTEE

Christine Allen, Chair Alexander Kabanov, Co-Chair Kazunori Kataoka, Co-Chair October 18-19, 2008
University of Toronto
Toronto, Canada

CONFIRMED SPEAKERS

Ruth Duncan, Cardiff University
Rogério Gaspar, University of Lisbon
Kam Leong, Duke University
Yasuhiro Matsumura, National Cancer Center Hospital, Japan
Shuming Nie, Emory University and Georgia Institute of Technology
Kishor Wasan, University of British Columbia

















Institut national















NANODDS'08 PROGRAM

Saturday, October 18, 2008

08:00 - 09:00 AM Registration / Breakfast Atrium

Poster Mounting JackKay Apotex Meeting Room (Atrium) Apotex Resource Center (2nd Floor)

09:00 - 09:10 AM Introductory Remarks B150 OPA Lecture Hall (Basement)

Christine Allen, Symposium Chair Robert Macgregor Jr., Associate Dean, Research

University of Toronto, Canada 09:10 - 10:00 AM **Keynote Presentation**

Polymer Therapeutics as NanoMedicines: Treatment for Cancer and

Promotion of Tissue Repair Ruth Duncan, Cardiff University, United Kingdom

10:00 - 10:30 AM Coffee Break Atrium

Poster Viewing JackKay Apotex Meeting Room (Atrium) Apotex Resource Center (2nd Floor)

Session 1A: Preclinical Development and Translation of Nanomedicines **Session Chairs:** Dusica Maysinger, McGill University, QC

10:30 - 11:00 AM A Preclinical, Clinical, and Translational Study on Micelle Carrier B150 OPA Lecture Hall (Basement)

Systems in Oncology

Daria Alakhova, University of Nebraska Medical Center, NE

Yasuhiro Matsumura, National Cancer Center Hospital, Japan

Ratiometric Dosing[™] of Anticancer Drug Combinations in Mice and Man 11:00 - 11:30 AM

Lawrence Mayer, Celator Pharmaceuticals Inc., BC 11:30 - 12:00 PM Nanoradiation - Discovery and Clinical Translation of Novel Auger

Electron-Emitting Targeted Radiotherapeutics for Breast Cancer

Raymond M. Reilly, University of Toronto, ON

12:00 - 01:30 PM Lunch Atrium

> **Poster Viewing** JackKay Apotex Meeting Room (Atrium) Apotex Resource Center (2nd Floor)

Session 1B: Preclinical Development and Translation of Nanomedicines

Devika Chithrani, University Health Network, ON

01:30 - 02:00 PM SPARC as a Target for Nanoparticle Albumin-bound (nab) Paclitaxel: B150 OPA Lecture Hall (Basement) Translation to the Clinic

Neil Desai, Abraxis Bioscience Inc., CA

Session Chairs:

02:00 - 02:30 PM Imageable Liposomes as a Tool for Improved Characterization of

David Jaffray, University Health Network, ON

Nanomedicines in Preclinical Models Jinzi Zhena, University of Toronto, ON

Challenges in the Development of a Nanopharmaceutical from Bench to 02:30 - 03:00 PM

Clinic - Lessons Learned from DOXIL®, a PEGylated Liposome

Tony Huang, Ortho Biotech, NJ

03:00 - 03:30 PM **Coffee Break** Atrium

> Poster Viewing JackKay Apotex Meeting Room (Atrium) Apotex Resource Center (2nd Floor)

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Session 1C: Preclinical Development and Translation of Nanomedicines				
Session Chairs:	Afsaneh Lavasanifar, University of Alberta, AB lan Corbin, University Health Network, ON			
03:30 – 04:00 PM	Targeted Polymeric Nanotherapeutics Jeff Hrkach, BIND Bioscience Inc., MA	B150 OPA Lecture Hall (Basement)		
04:00 – 04:30 PM	The Manufacture of Liposome Formulations of Sparingly Soluble Compounds Thomas Redelmeier, Northern Lipids Inc., BC			
04:30 – 06:30 PM 04:30 – 05:30 PM	Welcome Reception Poster Session I: Poster numbers #1 to 55	Atrium JackKay Apotex Meeting Room (Atrium) Apotex Resource Center (2 nd Floor)		
05:30 - 06:30 PM	Poster Session II: Poster numbers #56 to 108			

NanoDDS'08 Program

Sunday, October 19, 2008

07:30 - 08:30 AM Breakfast

Poster Viewing

Atrium

JackKay Apotex Meeting Room (Atrium) Apotex Resource Center (2nd Floor)

Session Chair:	Michael Sefton, University of Toronto, ON	
08:30 – 09:00 AM	Bioactive VEGF Release from Injectable, Low Viscosity Oligo-(Trimethyl Carbonate): A Delivery Approach for Angiogenesis Brian Amsden, Queen's University, ON	B150 OPA Lecture Hall (Basement)
09:00 - 09:30 AM	Localized Drug Delivery Strategies in Regenerative Medicine Molly Shoichet, University of Toronto, ON	
09:30 – 10:00 AM	Dual Release of RHTGF-beta1 and RHBMP-2 Improves Bone Healing in a Rabbit Calvarial Defect Abby Morgan, Virginia Polytechnique Institute and State University, VA	
10:00 – 10:30 AM	Coffee Break Poster Viewing	Atrium JackKay Apotex Meeting Room (Atrium Apotex Resource Center (2 nd Floor)

Session 3: New Directions in Nanomedicine and Drug Delivery				
Session Chairs:	Patrick Lim Soo, Tempo Pharmaceuticals, MA Leyla Soleymani, University of Toronto, ON			
10:30 – 11:00 AM	Supra-Molecular Nanodevices for Gene and Drug Delivery – Challenge to Smart Molecular Therapy Kazunori Kataoka, University of Tokyo, Japan	B150 OPA Lecture Hall (Basement)		
11:00 – 11:30 AM	Development and Evaluation of Novel Oral Amphotericin B Formulation for the Treatment of Systemic Fungal Infections and Drug-Resistant Visceral Leishmaniasis (VL) Kishor M. Wasan, University of British Columbia, BC			
11:30 – 12:00 PM	Nanotechnology for Delivery of Non-Deliverable Drugs Vladimir Torchilin, Northeastern University, MA			
12:00 – 12:30 PM	Small Interfering RNA as a Therapeutic Modality Stanley Barnett, Merck & Co., Inc., USA			
12:30 – 02:00 PM	Lunch Poster Viewing	Atrium JackKay Apotex Meeting Room (Atrium) Apotex Resource Center (2 nd Floor)		

Session 4: Integration of Nanotechnology and Bioimaging			
Session Chairs:	Elizabeth Gillies, University of Western Ontario, ON Jinzi Zheng, University of Toronto, ON		
02:00 – 02:30 PM	Imaging of Disease Biomarkers using Sensing Probes Alexei Bogdanov, University of Massachusetts Medical School, MA	B150 OPA Lecture Hall (Basement)	
02:30 – 03:00 PM	Block Ionomer Complexes as Nanocarriers for Drugs and Imaging Agents Tatiana Bronich, University of Nebraska Medical Center, NE		
03:00 – 03:30 PM	A Viral Nanoparticle Platform for Targeted Molecular Imaging and Drug Delivery John Lewis, London Regional Cancer Center, ON		

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Sunday, October 19, 2008

Session 5: Oral Presentations by Poster Awardees				
Session Chair:	Christine Allen, University of Toronto, ON			
03:30 – 04:00 PM 04:00 – 04:15 PM	Poster Awards and Presentations Closing Remarks Christine Allen, Symposium Chair	B150 OPA Lecture Hall (Basement)		