

nanomedicine and drug delivery symposium - toronto

October 18-19, 2008

University of Toronto - Toronto, Canada

NanoDDS'08

toronto

Saturday: October 18, 2008

08:00 - 09:00 AM Registration / Breakfast / Poster Mounting

09:00 - 09:10 AM Introductory Remarks

Christine Allen, Symposium Chair

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 / Poster Viewing

Session 1A: Preclinical Development and Translation of Nanomedicines

10:30 - 11:00 AM A Preclinical, Clinical, and Translational Study on Micelle Carrier Systems in Oncology

Yasuhiro Matsumura, National Cancer Center Hospital, Japan

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

Lawrence Mayer, Celator Pharmaceuticals Corp., 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 / Poster Viewing

Session 1B: Preclinical Development and Translation of Nanomedicines

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

Neil Desai, Abraxis Bioscience Inc., CA

02:00 - 02:30 PM Regulatory Issues - Implications for Design and Development of Nanomedicines

Rogério Gaspar, University of Lisbon, Portugal

02:30 - 03:00 PM Challenges in the Development of a Nanopharmaceutical from Bench to Clinic - Lessons Learned from DOXIL®, a PEGylated Liposome

Tony Huang, Ortho Biotech, NJ

03:00 - 03:30 PM Coffee Break / Poster Viewing

Session 1C: Preclinical Development and Translation of Nanomedicines

03:30 - 04:00 PM Targeted Polymeric Nanotherapeutics

Jeff Hrkach, BIND Bioscience Inc., MA

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 Welcome Reception / Poster Viewing

Sunday: October 19, 2008

07:30 - 08:30 AM Breakfast / Poster Viewing

Session 2: Role of Nanomedicine and Drug Delivery in Tissue Engineering

08:30 - 09:00 AM Bioactive VEGF Release from Injectable, Low Viscosity Oligo-(Trimethylene Carbonate): A Delivery Approach for Angiogenesis

Brian Amsden, Queen's University, ON

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

Session 3: New Directions in Nanomedicine and Drug Delivery

10:30 - 11:00 AM Supra-Molecular Nanodevices for Gene and Drug Delivery - Challenge to Smart Molecular Therapy

Kazunori Kataoka, University of Tokyo, Japan

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 Inc., USA

12:30 - 02:00 PM Lunch / Poster Viewing

Session 4: Integration of Nanotechnology and Bioimaging

02:00 - 02:30 PM Imaging of Disease Biomarkers using Sensing Probes

Alexei Bogdanov, University of Massachusetts Medical School, MA

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 Multimodal Nanoparticles for Simultaneous Cancer Targeting, Imaging, and Therapy

Hongwei Duan, Georgia Institute of Technology, GA

Session 5: Oral Presentations by Poster Awardees

03:30 - 04:00 PM Poster Awards and Presentations

04:00 - 04:15 PM Closing Remarks

Christine Allen, Symposium Chair

