



**75** UBC PHARM SCI  
1946-2021

# VANCOUVER

# NANOMEDICINE DAY

## September 16, 2021

NMIN

**VANCOUVER NANOMEDICINE DAY 2021 - THURSDAY, SEPTEMBER 16, 2021**

<https://www.nanomedicines.ca/nmd-2021/>

Session 1: Introduction to Nanomedicines			
8:00 AM	<b>Urs Hafeli</b>	<b>Welcome to the 7th Vancouver Nanomedicine Day 2021</b>	Pharmaceutical Sciences, UBC
8:10 AM	<b>Invited Talk: David Brayden</b>	<b>Nanomedicines for oral delivery of peptides - what have we learned?</b>	University College Dublin, Ireland
8:50 AM	<b>SHORT BREAK</b>		
Session 2: Radioactive Nanomedicines			
			Chair: Lennart Bohrmann, UBC
9:00 AM	<b>Bryce Nelson</b>	<b>In vivo and phantom imaging of cyclotron produced <sup>133</sup>La as a theranostic radionuclide for <sup>225</sup>Ac and <sup>135</sup>La</b>	University of Alberta
9:20 AM	<b>Ekaterina Dadachova</b>	<b>Comparison of various radioactive payloads for a human monoclonal antibody to glycoprotein 41 for elimination of HIV-infected cells</b>	University of Saskatchewan
9:40 AM	<b>Miffy Cheng</b>	<b>Customizable multifunctional metal nanotexaphyrin as a radiotheranostics agent for cancer imaging and therapy</b>	University of Toronto
10:00 AM	<b>SHORT BREAK</b>		
Session 3: Nanomedicines for Drug Delivery			
			Chair: Shyh-Dar Li, UBC
10:10 AM	<b>Diana Royce</b>	<b>A Canadian Catalyst: NanoMedicines Innovation Network (NMIN)</b>	NMIN, Canada
10:15 AM	<b>Ruby Sullan</b>	<b>Smart nanomaterials: a multi-pronged strategy towards targeting bacteria</b>	University of Toronto Scarborough
10:35 AM	<b>Todd Hoare</b>	<b>Sprayable nanoparticle network hydrogels for promoting intranasal drug delivery to the brain</b>	McMaster University
10:55 AM	<b>Lavasanifar Afsaneh</b>	<b>Nano-delivery of novel inhibitors of DNA repair for targeted chemo- and radio-sensitization of solid tumors</b>	University of Alberta
11:15 AM	<b>Suzie Pun</b>	<b>Discovery and application of novel SARS-CoV-2 –binding aptamers</b>	University of Washington, Seattle, WA, USA
11:35 AM	<b>Invited Talk: Anna Rosell</b>	<b>Magnetized nanocarriers targeting brain delivery after stroke</b>	Vall d'Hebron Institute of Research, Barcelona, Spain
12:15 PM	<b>LUNCH BREAK</b>		
Session 4: mRNA Nanomedicines			
			Chair: Colin Ross, UBC
12:40 PM	<b>KEYNOTE TALK: Drew Weissman</b>	<b>Nucleoside-modified LNP mRNA therapeutics</b>	University of Pennsylvania, PA, USA
1:20 PM	<b>Deborah Chin</b>	<b>MicroRNA-145 delivery by targeted peptide micelles for atherosclerosis therapy</b>	University of Southern California, CA, USA
1:40 PM	<b>Blair Leavitt</b>	<b>Development and optimization of LNP-based gene therapy approaches in the brain</b>	Centre for Molecular Medicine and Therapeutics, UBC
2:00 PM	<b>Urs Hafeli</b>	<b>End of the 7th Vancouver Nanomedicine Day 2021</b>	Pharmaceutical Sciences, UBC

