

VANCOUVER NANOMEDICINE DAY 2020 - THURSDAY, SEPTEMBER 17, 2020

<https://www.nanomedicines.ca/nmd-2020/>

8:00 AM	Urs Hafeli	Welcome to the 6th Vancouver Nanomedicine Day 2020	Pharmaceutical Sciences, UBC
	Session 1		Chair: Urs Hafeli, UBC
8:05 AM	Emmanuel Ho	Introduction to Nanomedicines	School of Pharmacy, University of Waterloo
8:25 AM	Mads Daugaard	Targeting Glycosaminoglycans in Solid Tumors	Vancouver Prostate Centre, UBC
8:40 AM	INVITED TALK: Vito Foderà	Protein self-assembly: the good, the bad and the ugly	Department of Pharmacy, University of Copenhagen, Denmark
9:20 AM	SHORT BREAK		
	Session 2		Chair: Marcel Bally, UBC + BC Cancer
9:30 AM	Karla Williams	Nanoscale Flow Cytometry Analysis of Extracellular Vesicles for Liquid Biopsy Development in Cancer	Pharmaceutical Sciences, UBC
9:45 AM	INVITED TALK: Christine Allen	Complexity and Reality: The Case of Thermosensitive Liposomes	Leslie Dan Faculty of Pharmacy, University of Toronto
10:25 AM	SHORT BREAK		
	Session 3: Nanomedicines for Drug Delivery		Chair: Christian Kastrup, UBC
10:30 AM	Shyh-Dar Li	Development and Fabrication of Surfactant-based Liposomes for Drug Targeting	Pharmaceutical Sciences, UBC
10:45 AM	Marcel Bally	Metals in Liposomes	BC Cancer & UBC
11:05 AM	KEYNOTE TALK: Robert Langer	Microtechnologies and Nanotechnologies in Drug Delivery	Massachusetts Institute of Technology, Boston, USA
11:45 AM	Robert Langer	Extended Keynote Q&A	
11:55 AM	Diana Royce / Pieter Cullis	A Canadian Catalyst: NanoMedicines Innovation Network (NMIN)	NMIN, Canada
12:00 PM	LUNCH BREAK & POSTER SESSION		
	Session 4: Covid-19 Related Nanomedicines		Chair: Federica Di Palma, Genome BC
12:40 PM	INVITED TALK: Lucia Gemma Delogu	Nanomaterials, Graphene and Immune Cells - From Biomedical Applications to Fighting COVID-19	University of Padua, Italy
1:20 PM	Ying Tam	A Novel Vaccine Approach Using Messenger RNA-Lipid Nanoparticles: Preclinical and Clinical Perspective	Acuitas Therapeutics, Vancouver, BC
1:35 PM	Ralph Pantophlet	Neutralizing Monoclonal Antibodies to SARS-CoV-2 and Prospective Applications	Health Sciences, Simon Fraser University
1:50 PM	SHORT BREAK		
	Session 5: Rapid Talks (5 min each including discussion)		Chair: Kathy Saatchi, UBC
2:00 PM	Daniel Gonzalez-Carter	Targeting Nanoparticles to the Brain by Exploiting the Blood/Brain Barrier Impermeability to Selectively Label the Brain Endothelium	Innovation Center of NanoMedicine, Kawasaki, Japan
2:05 PM	Maria Poley	Chemotherapeutic Nanoparticles Accumulate in the Female Reproductive System During Ovulation Affecting Fertility and Anticancer Activity	Technion - Israel Institute of Technology, Haifa, Israel
2:10 PM	Pamela Schimmer / Michael Valic	Large Animal Species for Evaluating Long-circulating Nanomaterial Toxicokinetics: Comparisons Between Primates, Canines, and Rabbits	Princess Margaret Cancer Centre, Toronto, ON
2:15 PM	Ben Ouyang	The Dose Threshold for Nanoparticle Tumour Delivery	University of Toronto, Institute of Biomaterials and Biomedical Engineering
2:20 PM	Richard Holland	PH-Responsive Endosomal Release Agents to Enhance RNAi Conjugate Activity Across Multiple Cell Types and Receptors	Genevant Sciences, Vancouver, BC
2:25 PM	Jayesh Kulkarni	Spontaneous, Solvent-Free Entrapment of siRNA Within Lipid Nanoparticles	Center for Molecular Medicine and Therapeutics, UBC
2:30 PM	Marta Overchuk	Photodynamic Priming as a Means of Enhancing Nanomedicine Delivery and Overcoming Tumour Desmoplasia	Princess Margaret Cancer Centre, University Health Network, Toronto, ON
2:35 PM	SHORT BREAK		
	Session 6: Debate		Chair: Emmanuel Ho, University of Waterloo
2:40 PM	Marcel Bally / Kishor Wasan	Debate: Are Nanomedicines Still the Next Big Thing?	BC Cancer & UBC / UBC & iCo Therapeutics
3:10 PM	Urs Hafeli	Poster Prizes	Pharmaceutical Sciences, UBC
3:15 PM	END OF VANCOUVER NANOMEDICINE DAY 2020		

All times are given in Pacific Daylight Time (PDT)