

Poster Session for Vancouver Nanomedicine Day 2019 - September 12, 2019

Location: Great Hall at the Nest, 6133 Student Union Blvd

Poster #	Name (presenting author)	Institution/Company	Abstract Title
1	Anthony Boey	adMare Bioinnovations	Nanoparticle Intracellular Drug Delivery of Vancomycin into Liver Kupffer Cells Targeting MRSA Bacteria
2	Angelo Lanzilotto	AMGEN - UBC, Pharmaceutical Sciences	Linking IgG Heavy and Light Chains to Preserve Native Sequence Pairing
3	Devon Heroux	UBC, BC Cancer Research Centre	A Liposomal Formulation of Copper Diethyldithiocarbamate for Treatment of Triple-Negative Breast Cancer
4	Helene Stütz	UBC, Pharmaceutical Sciences	Macroaggregated Albumin Microspheres Containing Amphotericin B
5	Ellen Wasan	University of Saskatchewan, Pharmacy	A Lipidic Delivery System of a Triple Vaccine Adjuvant Enhances Mucosal Immunity Following Nasal Administration in Mice
6	Daniel Pletzer	UBC, Microbiology and Immunology	Synthetic Peptides as Adjuvant Therapy for Acute and Chronic Pseudomonas Aeruginosa Skin Infections
7	Tiffany Carlaw	UBC, Medical Genetics	Development of a eGFP Reporter Assay Model to Evaluate the Therapeutic Efficacy of CRISPR/Cas-9 Base Editing
8	Yuhang Huang	University of Victoria, Chemistry	Microfluidic Control of Structure and Drug Delivery Properties of Biological Stimuli-Responsive Polymer Nanoparticles
9	Afsaneh Lavasanifar	University of Alberta, Pharmacy & Pharmaceutical Sciences	Nanomedicine for Tumor Targeted Delivery of Novel Inhibitors of Dna Repair to Egr Expressing Orthotopic Colorectal Cancer Xenografts in Mice
10	Sams Sadat	University of Alberta, Pharmacy & Pharmaceutical Sciences	Nano-Delivery of PNKP Inhibitor Exhibits Synthetic Lethality in PTEN-Deficient Colorectal Cancer Xenograft Mice
11	Karan Khanna	UBC, Pharmaceutical Sciences	Liquid Biopsy for Risk-Stratification in Prostate Cancer
12	Samuel Berryman	UBC, Mechanical Engineering - Centre for Blood Research	Image-Based Cell Phenotyping Using Deep-Learning
13	Gilbert Walker	University of Toronto	Nanoparticles for Surface Enhanced Raman Scattering Detection of Cell Surface Proteins
14	Wesley Walker	University of Toronto, Medical Biophysics	¹⁷⁷ Lu-Chelated Nanotexaphyrins for PDT/SPECT Theranostics
15	Samuel Clarke	Precision Nanosystems Inc.	Nanoparticle Mediated Non-Viral Gene Delivery to Enable Development of Next Gen T Cell Therapies
16	Jennifer Brown	UBC, Pharmaceutical Sciences	The Application of Differential Scanning Fluorimetry in Exploring Bisubstrate Binding to Protein Arginine N-Methyltransferase 1
17	Jerry Leung	UBC, Biochemistry and Molecular Biology	Fusion-Dependent Formation of Lipid Nanoparticles Containing Macromolecular Payloads
18	Kelsi Lix	UBC, Chemistry	Dextran-Functionalization of Semiconducting Polymer Dots and Conjugation with Tetrameric Antibody Complexes for Bioanalysis and Imaging
19	Alexander Dhaliwal	University of Toronto, Medical Biophysics	Elucidating the Mechanism of the Acoustic Conversion of Microbubbles to Nanostructures for EPR-Independent Delivery to Tumors
20	Blair Morgan	McMaster University, Chemical Engineering	Acoustic Levitation as a Screening Method for the Development of Dry Powder Vaccines
21	Jacqueline Lai	UBC	Microparticulate-Encapsulated Antigen with Split Topical CpG Oligodeoxynucleotide Adjuvant as a Single-Injection Immunization Strategy
22	Lily Takeuchi	UBC	Development of Targeted Macromolecular Iron Chelators for Treatment of Cardiac Iron Overload
23	Anitha Thomas	Precision Nanosystems Inc.	Low Volume Production of Nanoparticles That are Effective Transfection Systems in iPSC-Derived Cells, Immune Cells and Other Primary Cell Cultures
24	Lloyd Jeffs	Precision Nanosystems Inc.	Scalable Manufacture of mRNA Lipid Nanoparticles using a Novel Microfluidic Mixing Architecture
25	Mandy Chan	STEMCELL Technologies, R&D	Immunomagnetic Purification of Extracellular Vesicles from Biofluids in Less Than 30 Minutes
26	Qihao Liu	UBC, ECE	Dual-Wavelength Fiber Laser Multiphoton Endoscopy for Oral Cancer Detection
27	Terri Petkau	UBC, Medicine	Development and Optimization of LNP-based Gene Therapy Approaches in the Brain
28	Alice Man	UBC, BC Cancer Research Centre	Coumarin-3-Carboxylic Acid: A Detector for Hydroxyl Radicals Generated by Orthovoltage and Proton Radiation
29	Kent Tsung Jeng Chen	UBC, BC Cancer Research Centre	Liposomal Flavopiridol – a Novel Formulation for the Treatment of Acute Myeloid Leukemia
30	Masoud Norouzi	University of Toronto, Pharmacy	Portable, On-Demand Biofunctionalization for Nanomedicines
31	Morteza Hasanzadeh Kafshgar	Polytechnique Montreal, Engineering Physics	Targeted siRNA Delivery with Antibody Conjugated Gold Nanostars-Assisted Ultrafast Femtosecond Laser Optoporation
32	Griffin Pauli	UBC, Pharmaceutical Sciences	Liposomal Delivery of an Immunomodulating Agent to the Tumour Microenvironment: PK/PD Studies
33	Siyue Yu	UBC, Pharmaceutical Sciences	Therapeutic Genome Editing: Development of a Reporter System to Optimize and Evaluate in vivo CRISPR/CAS9 Base Editing
34	James Saville	UBC, Biochemistry and Molecular Biology	Peptidic Applications for the Discovery and Characterization of Antibodies Against Membrane Proteins
35	Morgan Alford	UBC, Microbiology and Immunology	Influence of Nitrogen Source and Metabolism on Virulence of Pseudomonas Aeruginosa
36	Reka Geczy	UBC, Pharmaceutical Sciences	Microfluidic Approaches for the Production of Monodisperse, Superparamagnetic Microspheres in the Low Micrometer Size Range
37	Melanie Dostert	UBC, Microbiology and Immunology	Genes Regulating Biofilm Formation as Novel Biofilm-specific Drug Targets
38	Presley MacMillan	University of Toronto, Chemistry	Three-Dimensional Microscopy of Administered Substances in Cleared Tissues
39	Alessia Pallaoro	UBC, Mechanical Engineering	High Content Imaging of Endocytosed Nanoparticles and F-Actin for a New Perspective in Cytoskeletal Mechanics
40	Adria Encinas Casas	UBC, Pharmaceutical Sciences	Development of Novel Cell Proliferation Reagent for Mass Cytometry
41	Felix L. Santana	UBC, Microbiology and Immunology	Functional Characterization of Four Novel Crocodylian Cathelicidin Peptides
42	Michael Dunne	University of Toronto, Pharmacy	Hyperthermia and Radiation Therapy as Modulators of the Accumulation and Efficacy of Nanomedicine-Encapsulated Chemotherapies in Breast Cancer
43	Corrie Belanger	UBC, Microbiology and Immunology	How physiologically relevant conditions affect mechanisms underlying susceptibility of Pseudomonas aeruginosa to antimicrobial agents
44	Hagar Labouta	University of Manitoba, Pharmacy	Arriving to Modeling Frameworks For Assessing Potential Nanoparticle Cytotoxicity Risks
45	Rana Faryad Ali	Simon Fraser University	Size-Controlled Synthesis of Second Harmonic Active Lithium Niobate Nanocrystals through Solution-Phase Methods
46	Henry Kang	Simon Fraser University	Tunable Functionalization of Silica Coated Iron Oxide Nanoparticles Achieved through a Silanol-Alcohol Condensation Reaction