

Conference Program

Monday, May 14th

6:30 PM	Conference Opening Reception	
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Tuesday, May 15th

7:30 AM	Breakfast	Biopartnering Sessions
8:30 AM	Conference Opening	
9:00 AM	Opening Plenary	
9:45 AM	Coffee Break	
10:15 AM	Session #1 Respectful Use of Traditional Knowledge	
12:00 PM	Lunch Open Poster Session	Biopartnering Sessions
1:30 PM	Session #2 Cannabis	
4:00 PM	Session #3 Student Competition - 3-Minute Thesis	Biopartnering Sessions
5:00 PM	Wine and Cheese Reception Open Poster Session	

Wednesday, May 16th

7:30 AM	Breakfast	Biopartnering Sessions
8:30 AM	Opening Plenary #1	
9:15 AM	Opening Plenary #2	
10:00 AM	Coffee Break	
10:15 AM	Concurrent Sessions (#4 and #5)	
10:15 AM	Session #4 NHP Regulatory Affairs	Session #5 DNA-based Approaches & Applications
12:15 PM	Lunch Open Poster Session	Biopartnering Sessions
1:15 PM	NHPRS Annual General Meeting	
2:00 PM	Concurrent Sessions (#6 and #7)	
2:00 PM	Session #6 Innovation to Commercialization Symposium	Session #7 NHPs and Cancer
4:00 PM	Open Poster Session	Biopartnering Sessions
6:30 PM	Gala Dinner & Awards Ceremony (Dinner Speaker - Rickey Yada)	

Thursday, May 17th

7:30 AM	Breakfast	Biopartnering Sessions
8:30 AM	Neil Towers Award Lecture	
9:15 AM	Opening Plenary	
10:00 AM	Coffee Break	
10:15 AM	Concurrent Sessions (#8 and #9)	
10:15 AM	Session #8 Functional Foods	Session #9 Pharmacology & Pharmacognosy
12:00 PM	Lunch	Biopartnering Sessions
1:00 PM	Concurrent Sessions (#10 and #11)	
1:00 PM	Session #10 Product Quality	Session #11 NHPs in Disease Management
3:00 PM	Conference Closes	

Conference Schedule - Tuesday, May 15th 2018

7:30 AM	Breakfast	Biopartnering Sessions (7:30 am - 8 :30 am)
8:30 AM	Conference Opening <i>Presidents' Welcome (Paula Brown)</i>	
9:00 AM	Opening Plenary - Tieraona Low Dog	A Clinician's Perspective on Nutritional Supplements
9:45 AM	COFFEE BREAK	
10:15 AM	Session 1 (Sponsors: AHPA, the Gosling Foundation, La Clef des Champs)	
SESSION 1:	Respectful Use of Traditional Knowledge (Chair: Cory Harris)	
10:15 AM	Cory Harris	Intro and Overview - Context
10:25 AM	Kate Davis	Who Came Up With This Idea? The Global Framework to Recognise the Contributions and Rights of Traditional Knowledge-Holders
10:50 AM	Holly Johnson	Ethnobotany and Traditional Knowledge in the Modern World
11:10 AM	Marie Provost	A Vision for Respectful Use of Traditional Knowledge
11:30 AM	Panel Discussion (Moderated by Dr. Pierre Haddad)	
12:00 PM	Lunch, Biopartnering, Open Poster Session	Biopartnering Sessions (12:30 - 1:30 pm)
SESSION 2:	Cannabis (Sponsors: Aphria and Innovate Phytoceuticals)	Coffee served outside session at 2:15 pm
1:30 PM	Lynda Balneaves (University of Manitoba)	Intro and Overview - Context (Clinical)
1:40 PM	Mark Ware (McGill University)	Cannabis sativa: a drug, a natural health product, or something else?
2:10 PM	Ernie Small (Agriculture and Agri-Food Canada)	The Role of Agriculture in Supplying Nutritional, Medicinal, and Recreational Cannabis Products
2:40 PM	Jeremy Melanson (National Research Council)	Measurement Science for Enhanced Cannabis Testing
3:10 PM	Sharan Sidhu (Innovate Phytoceuticals)	Medical Cannabis: Regulatory updates, industry perspective and misconceptions.
3:25 PM	Brenna Boonstra (Cannabis Compliance Inc. / NHP Consulting Inc.)	Forthcoming Regulatory Changes in the Cannabis/NHP Interface
3:40 PM	Panel Discussion Moderated by Dr. Lynda Balneaves	
SESSION 3:	Student Session - 3-Minute Thesis Competition	Biopartnering Sessions (4:00 - 5:00 pm)
4:00 PM	(15 students x 3 minutes each)	
5:00 PM	OPEN POSTER SESSION (Student Judging) - Wine and Cheese Reception	
6:00 PM	CLOSE	

Conference Schedule - Wednesday, May 16th 2018

7:30 AM	Breakfast	Biopartnering Sessions (7:30 - 8:30 am)
8:30 AM	Opening Plenary #1: Stephen Daniels	Global Trends at the NHP/Food Interface
9:15 AM	Opening Plenary #2: Heather Boon	Natural Health Product Regulations: Past, Present and Future
10:00 AM	COFFEE BREAK	
10:15 AM	Concurrent Sessions (4 and 5)	
SESSION 4 (CONCURRENT): Regulatory (Chair - Heather Boon)		
10:15 AM	Matthew Bown (Health Canada / NNHPD)	Modernizing the Regulation of Self-Care Products in Canada
10:40 AM	Lysanne Melanson (Health Canada / NNHPD)	The Regulatory Framework for Natural Health Products in Canada
11:05 AM	Tania John (Renew Life Canada)	Navigation of the Canadian Regulatory Framework for Products at the Food/NHP
11:20 AM	Sharan Sidhu (Innovate Phytoceuticals)	Case Study: Opportunities to make Evidence-based Health Statements
11:35 AM	Thomas Brendler (Plantaphile)	EU regulations for herbal products: how do recent changes impact access to the EU market?
SESSION 5 (CONCURRENT) DNA-based Approaches & Applications		
10:15 AM	Steven Newmaster (True ID)	Current research innovations at the NHP Research Alliance
10:35 AM	David Erickson (DNA4 Technologies LLC)	Metagenomic analysis of dietary supplement authenticity and complexity
10:55 AM	Darragh Clancy (NSF International)	Next Generation Sequencing: A Fit-For-Purpose Tool in Managing Your Supply Chain
11:05 AM	Natalia Ivanova (Canadian Centre for DNA Barcoding)	Reference library for targeted SNP-based identification of <i>Cibotium barometz</i> using Next Generation Sequencing
11:25 AM	Sidney Sudberg (Alchemist)	Equivalency of DNA sequencing vs. HPTLC chromatographic analysis vs. Botanical Microscopy methodologies for Botanical Identity: A Statistical Evaluation
11:45 AM	Caroline Puente (FDA)	Using Chloroplast Genomes for the Development of DNA-based Methods for Allergenic Plants
12:15 - 1:15 PM	LUNCH and Open Poster Session	Biopartnering Sessions (12:15 - 1:15 pm)
1:15 - 2:00 PM	NHPRS Annual General Meeting (AGM)	
2:00 PM	Concurrent Sessions (6 and 7)	
SESSION 6 (CONCURRENT) Innovation to Commercialization Session (Sponsor - Natural Products Canada)		
2:00 PM	Shelley King (Natural Products Canada)	Getting to Know Canada's Natural Product Commercialization Ecosystem
2:20 PM	Dana McCauley (University of Guelph)	How to Succeed as an Academic Entrepreneur
2:40 PM	Krista Coventry (Source Nutraceutical Inc.)	Regulatory Considerations for NHP & Functional Food Commercialization in the North American Health Products Marketplace
3:00 PM	Susan Tandan (Gowlings LLC)	Intellectual Property Considerations for NHP Commercialization
3:20 PM	Paula Brown (BCIT)	Industry-Academic Partnerships - Opportunities for Innovation
3:35 PM	Kenna Whitnell (University of Guelph)	From Student Research to Commercialization: A Case Study
3:50 PM	Open Question/ Discussion (all Session speakers)	
4:20 PM	(SESSION ENDS)	
SESSION 7 (CONCURRENT) NHPs and Cancer (Sponsor - Dr. Rogers Prize)		
2:00 PM	Mary Hardy (George Washington University)	(TBC)
2:30 PM	Lynda Balneaves (University of Manitoba)	Moving Evidence to the Bedside: Natural Products in Cancer Care
3:00 PM	Jonathan Blay (University of Waterloo)	Actions of the Dietary Flavone Apigenin in the Context of Human Colorectal Cancer
3:20 PM	Siryiam Pandey (University of Windsor)	Targeting mitochondrial and oxidative stress vulnerability of cancer cells to induce apoptosis using natural compounds and extracts
3:40 PM	Paul Saunders (Canadian College of Naturopathic Medicine)	Cancer Treatment: Is There a Role for Homeopathy?
4:00-5:30 PM	OPEN POSTER SESSION (Student Judging)	Biopartnering Sessions (4:00 - 5:00 pm)
6:30 PM	Gala Dinner & Awards Ceremony (Dinner Speaker - Rickey Yada)	

Conference Schedule - Thursday, May 17th 2018

7:30 AM	Breakfast	Biopartnering Sessions (7:30 - 8:30 am)
8:30 AM	Neil Towers Award Lecture	
9:15 AM	Opening Plenary - Marie-Claude Vohl	Genetic determinants of the plasma triglyceride response to an n-3 fatty acid supplementation in overweight adults.
10:00 AM	COFFEE BREAK	
10:15 AM	Concurrent Sessions (8 and 9)	
SESSION 8 (CONCURRENT): Functional Foods		
10:15 AM	Alison Duncan (University of Guelph Human Health & Nutrition)	Functional foods and human health: research opportunities and challenges
10:45 AM	Jennifer Barber (Health Canada - Food Directorate)	Regulation of Supplemented Foods in Canada: Challenges and Evidence Gaps
11:15 AM	Fan Wang (University of Guelph Food Science)	Encapsulation of phytosterols and phytosterol esters in liposomes made with soy phospholipids by high pressure homogenization
11:35 AM	Alexey Dudnik (Technical University of Denmark)	Bacterial Hosts for Production of Bioactive Phenolics from Berry Fruits (BacHBerry)
SESSION 9 (CONCURRENT): Pharmacology & Pharmacognosy		
10:15 AM	Roy Golsteyn (University of Lethbridge)	Prairie to Pharmacy Research Program: Investigation of Prairie Plants for Chemicals that Inhibit Vital Cellular Pathways
10:45 AM	Cory Harris (University of Ottawa)	Yarrow by Parts: An ethnobotanical, pharmacological, and metabolomics analysis of one of North America's most important medicinal plants.
11:15 AM	Lee Ellis (National Research Council)	Assessing the efficacy of Zebrafish seizure models for testing cannabinoids.
11:35 AM	Lukman Sarker (Innovate Phytoceuticals)	Transition of traditional lavender EOs to the modern therapeutic practices
12:00 PM	Lunch	Biopartnering Sessions (12:00 - 1:00 pm)
1:00 PM	Concurrent Sessions (10 and 11)	
SESSION 10 (CONCURRENT): Product Quality		
1:00 PM	James Harnly (US Department of Agriculture)	Chemical and genetic characterization of Maca (<i>Lepidium meyenii</i>)
1:30 PM	Stefan Gafner (American Botanical Council)	Challenges in Determining Species Identity of Medicinal Plants: The Case of Euphrasia
1:55 PM	Joe Betz (NIH Office of Dietary Supplements)	Dehydropyrrolizidine Alkaloids in boneset (<i>Eupatorium perfoliatum</i> L.) and Three Related Species
2:20 PM	Fabrice Berru� (National Research Council)	Quality Assurance of Foods and Functional Ingredients Using Quantitative NMR Methods and Chemometrics.
2:40 PM	Jin Changdong (University of Alberta)	Classification of Cannabis Cultivars Marketed in Canada for Medical Purposes and Growth Trends of the North American Medical Cannabis Industry
SESSION 11 (CONCURRENT) NHPs in Disease Management		
1:00 PM	Simon Chiu (University of Western Ontario)	Translating Curry Extract to Novel Therapeutic approach in schizophrenia: the emerging role of Epigenetics signaling
1:30 PM	Pierre Haddad (University of Montreal)	Non-polar solvent fractions of <i>Oplonax horridus</i> stimulate muscle glucose uptake and inhibit hepatocellular glucose-6-phosphatase enzyme activity
2:00 PM	Airduin Khan (University of Western Ontario)	Sublimed Sulfur (Sulmedol) for the Activation of Endogenous Lactase and Restoration of Lactose Tolerance
2:30 PM	Dong-Seon Kim (Korea Institute of Oriental Medicine)	Herbal Complex DKB114 for Hyperuricemia and Gout
3:00 PM	Conference Closes	