

# Science Atlantic Nutrition and Foods 2020 Schedule:

## *Friday, March 13, 2020 – Registration, Opening Ceremony and Keynote*

4:00- 6:00 PM	Registration and Tradeshow Exhibit (MCDH 248)
4:30- 6:00 PM	Pre-Conference Workshop: Dr. Shannan Grant PDt, MSc, PhD and Chelsey Purdy BSc-IEP Candidate (MCDH 243) <i>With two eyes and hearts open: Using person-focused science education to inspire creativity, co-learning and reconciliation</i>
6:00 - 7:00 PM	Reception and Tradeshow Exhibit (MCDH 248)
7:00 - 7:30 PM	Opening Ceremony - Orientation and Welcome (MCDH 242)
7:30 - 8:30 PM	Keynote Presentation: Dr. Susan Whiting, PhD (MCDH 242) <i>Dietary inadequacies in Canada: Implications for dietary guidance</i>

## *Saturday March 14, 2020 – Full Conference Day*

7:30 - 8:00 AM	Registration (MCDH 248)
8:00 - 9:00 AM	Learning Breakfast: Dr. Marc Surette, PhD (MCDH 248) <i>Development of a sustainable and effective source of omega-3 polyunsaturated fatty acids</i>
9:15 - 9:30 AM	Opening Remarks (MCDH 243)
9:30 - 10:30 AM	<u>Session A: Oral Presentations</u> (MCDH 243)
10:30 -11:00 AM	Nutrition Break and Tradeshow Exhibit (MCDH 248)
11:00 - 12:00 PM	Student Poster Presentations (MCDH 329)
12:00 - 1:00 PM	Lunch (Wanda Wyatt Dining Hall) and Tradeshow Exhibit (MCDH MacEachern Street)
1:00 - 2:00 PM	<u>Session B: Oral Presentations</u> (MCDH 243)
2:00 - 2:15 PM	Nutrition Break (MCDH 248)
2:15 - 3:45 PM	Food Security Workshop: Dr. Patty Williams, PhD (MCDH 248) <i>Exploring determinants and solutions to food insecurity through play: The hand you're dealt</i>
3:45 - 5:00 PM	Closing Awards Ceremony and Reception (MCDH 248)

## **Student Presentations**

### **Oral Presentations**

#### Session A (9:30-10:30 AM):

Faculty Facilitator: Sarah Finch

Student Facilitator: Kristen Mann

**Presentation 1:** Human milk total thiamine concentrations among rural Cambodian women on various thiamine supplementation regimes, 12 weeks postnatal

Presenter: Jelisa Gallant, Graduate Student, Mount Saint Vincent University

Funding: Bill and Melinda Gates Foundation and the Sackler Institute for Nutrition Sciences, New York Academy of Sciences

Supervisor: Whitfield, Kyly

Other authors: Chan, Kathleen; Allen, Lindsay, H; Baldwin, Dare; Borath, Mam; Green, Tim J; Hampel, Daniela; Leemaqz, Shalem; Measelle, Jeffrey R; Ngik, Rem; Prak, Sophonneary; Wieringa, Frank T; Yelland, Lisa N; Kroeun, Hou and Whitfield, Kyly C

**Presentation 2:** Food use, food security and food production and sales across growing seasons among rural Kenyan women

Presenter: Julia Heckbert, Undergraduate Student, University of Prince Edward Island

Funding: Queen Elizabeth II Diamond Jubilee Scholarship

Supervisor: Taylor, Jennifer

Other Authors: Taylor, Jennifer; Walton, Colleen

**Presentation 3:** Apple flavonoids and quercetin reduce carcinogen-induced DNA damage in bronchial epithelial cells in vitro

Presenter: Suraweera Arachchilage Tharindu Lakshan, Graduate Student, Dalhousie University

Funding: Natural Sciences and Engineering Research Council of Canada Discovery Grant

Supervisor: Rupasinghe, H. P. Vasantha

Other Authors: Merlin, Jose and Rupasinghe, H.P. Vasantha

**Presentation 4:** Evaluating pre- and post-education knowledge scores from women with gestational diabetes mellitus interaction with an online low glycemic index education platform

Presenter: Kate Braddon, Undergraduate Student, Mount Saint Vincent University

Funding: 1) Mount Saint Vincent University Committee on Research Publications; Standard Internal Research Grant. 2) CN Student Research Internship – Management Development for Women Excellence Fund.

Supervisor: Grant, Shannan

Other Authors: LeBlanc, Julianne; Grant, Shannan; Coolan, Jillian; Snelgrove-Clarke, Erna; Walsh, Catherine; Medynski, Joline; Hayward, Kathryn; Carson, Glenda and Cashen, Nancy

Session B (1:00-2:00 PM):

Faculty Facilitator: Jennifer Taylor

Student Facilitator: Julia Heckbert

**Presentation 5:** Assessment of dietary intake and food behaviours among adolescent girls living in the Dakar region, Senegal

Presenter: Madélie Giguère Johnson, Graduate Student, Université de Moncton

Funding: International Development Research Center (IDRC) and the Social Sciences and Humanities Research Council of Canada (SHRC) which supported this research through the Queen Elizabeth Scholarship program

Supervisor: Blaney, Sonia

**Presentation 6:** Extracted microbial oil as a sustainable alternative of fish oil in Atlantic salmon (*Salmo salar*) feed: Growth and fatty acid impacts

Presenter: Minmin Wei, Graduate Student, Dalhousie University

Funding: Ocean Frontier Institute, Canada First Research Excellence Fund

Supervisor: Colombo, Stefanie

**Presentation 7:** Assessing the prevalence and effect of nutrition education on female athlete triad risk at Acadia University

Presenter: Madalyn Higgins, Undergraduate Student, Acadian University

Funding: Harrison McCain Foundation Award

Supervisor: Kaviani, Mojtaba

**Presentation 8:** Can herbal tea fight against *Streptococcus pyogenes* infection

Presenter: Niluni M. Wijesundara, Graduate Student, Dalhousie University

Funding: NSERC CRSNG and Island Abbey Foods (honibe), Charlottetown, PEI

Supervisor: Rupasinghe, H.P. Vasantha

## **Enhanced Poster Presentations**

**Enhanced Poster 1:** Exploring youth's perspectives of Indigenous food sovereignty during a traditional food project in Mi'kama'ki

Presenter: Renee Bujold, Graduate Student, Dalhousie University

Funding: Centre for Employment and Innovation, St. FX

Supervisors: Martin, Debbie and Fox, Ann

**Enhanced Poster 2:** Assessing the implementation of the new Canada's Food Guide recommendations in childcare settings

Presenter: Imene Hank, Undergraduate Student, University of Prince Edward Island

Funding: UPEI Internal Research Grant

Supervisor: Finch, Sarah

Other Authors: Finch, Sarah, and Rossiter, Misty

**Enhanced Poster 3:** Antimicrobial properties of biodegradable canola protein-oleic acid composite films against *Listeria innocua* and *Escherichia coli*

Presenter: Thilini Nuwandhara Dissanayake, Graduate Student, Dalhousie University-AG

Funding: MITACS and Dalhousie University Vice President Research and Innovation International Seed Fund (VPRIIS)

Supervisor: Bandara, Nandika

Other Authors: Bandara, Nandika and Ranadheera, Senaka

**Enhanced Poster 4:** Surf'n Bake: Exploring the sensory characteristics of seaweed composite bread

Presenter: Timothy Lamont, Undergraduate Student, Acadia University

Funding: 25.55 Acadia University Research Fund

Supervisor: McSweeney, Matthew

## **Poster Presentations**

### **Poster 1: Pumpkin powder (*Cucurbita maxima*) supplemented string hoppers as a functional food**

Presenter: Anuruddika Malkanthi, Graduate Student, Dalhousie University

Funding: ICCR (Indian Council for Cultural Relations), Bangalore, India (No. BNG/171/2016-2017)

Supervisor: Hiremath, Umadevi S

### **Poster 2: Parental perceptions of a nutrition screening tool and family feeding practices on PEI**

Presenter: Katrina Nagge, Undergraduate Student, University of Prince Edward Island

Funding: University of Prince Edward Island – Internal Research Grant

Supervisors: Rossiter, Melissa (Misty) and Finch, Sarah

### **Poster 3: A comparison of diet diversity among rural Kenyan family members**

Presenter: Haley Mackenzie, Undergraduate Student, University of Prince Edward Island

Funding: Queen Elizabeth II Diamond Jubilee Scholarship

Supervisors: Taylor, Jennifer and VanLeeuwen, Charlene

### **Poster 4: Effect of different packaging materials on quality of whole black pepper (*Piper nigrum* L.) during bulk storage**

Presenter: Janani Ranatunga, Graduate Student, Dalhousie University-AG

Funding: Faculty of Agriculture, University of Peradeniya, Sri Lanka and Central Research Station, Department of Export Agriculture, Matale, Sri Lanka

Supervisor: Jayanath, Yasendra

Other Authors: Induruwa, Sampath

### **Poster 5: Effects of a food-based nutrition education and horticulture intervention on nutrition knowledge, attitudes, practices and food consumption of school-age children in Kenya**

Presenter: Julie Oyoo, Graduate Student, University of Prince Edward Island

Funding: Queen Elizabeth II Diamond Jubilee Scholarship, Global Affairs Canada, Farmers Helping Farmers

Supervisor: Taylor, Jennifer

### **Poster 6: Identification of superior apple genotypes for the management of type 2 diabetes**

Presenter: Cindy Yu, Graduate Student, Dalhousie University-AG

Funding: NSERC, AAFC Kentville, Dr. Myles and Dr. Rupasinghe

Supervisor: Rupasinghe, Vasantha

Other Authors: Song, Jun and Myles, Sean

**Poster 7:** Characterizing the impact of soaking and germination on the aroma profile and the chemical composition of yellow-eyed bean flour

Presenter: Lauren Viana, Graduate Student, St. Francis Xavier University

Funding: Saint Francis Xavier - University Council for Research Grant

Supervisor: English, Marcia

Other Authors: English, Marcia; Jordan, Michael and Forney, Charles

**Poster 8:** Inaugural Science Atlantic Nutrition and Foods Conference evaluation: A self-study on quality assurance and rhetoric

Presenter: Niousha Alizadehsaravi, Undergraduate Student, Mount Saint Vincent University

Funding: Social Sciences and Humanities Research Council Exchange Grants in collaboration with Science Atlantic Nutrition and Foods committee

Supervisor: Grant, Shannan

Other Authors: Laidlaw, Tess; Luhovyy, Bohdan and English Marcia

**Poster 9:** LGBTQ+ experiences with dietetic professionals

Presenter: Samantha Clow, Undergraduate Student, University of Prince Edward Island

Supervisors: Hewko, Sarah and Braithwaite, Ann

**Poster 10:** The association between a provincial school wellness program, asthma diagnosis and frequency of healthcare utilization due to asthma

Presenter: Teri McComber, Graduate Student, University of Prince Edward Island

Funding: Alberta Health Innovates

Supervisors: Taylor, Jennifer and Revie, Crawford

Other Authors: Taylor, Jennifer; Revie, Crawford and Veugelers, Paul

**Poster 11:** Optimized conditions for feather keratin extraction

Presenter: Nilakshi Abeysinghe, Graduate Student, Dalhousie University

Funding: New Frontier in Research Funds

Supervisor: Bandara, Nandika