WELCOME
TO THE
MURPH LAUNCH EVENT

October 9, 2019

Twitter: @MurphUbco
#MURPHUBCO
Our Agenda

01 What is MURPH?
Vision and goals of this program

02 The Team
MURPH management team, faculty, graduate mentors, scholars

03 Upcoming Events
Workshops & Conferences

04 Dinner & Bingo
Networking
“Alone we can do so little; together we can do so much.”
-Helen Keller-
An undergraduate research program at UBC Okanagan awarded through UBC’s Program for Undergraduate Research Experience (PURE) competition

Vision

1. To engage undergraduates in multidisciplinary research
2. To build project teams comprised of multiple MURPH undergraduate research scholars and faculty from various departments and institute collaboration around applied health research projects that require multidisciplinary collaboration
Multidisciplinary Research

Prepare yourself for team science
- Self reflection
- Understanding personality types
- Giving and receiving feedback
- The value of mentorship

Building a research team
- Launching a team
- Setting expectations

Vision
- Developing a shared vision

Communication
- Communicating within your team
- Disseminating knowledge to the public
MURPH Management Team

**Professor**
- Dr. Joan Bottorff  
  School of Nursing

**Associate Professor**
- Dr. Neil Eves  
  School of Health and Exercise Sciences

**Professor**
- Dr. Harry Miller  
  Psychology, Southern Medical Program

**Professor**
- Dr. Abbas Milani  
  School of Engineering

**Lecturer**
- Dr. Natalie Forssman  
  School of Engineering

**Research Engineer**
- Dr. Mahdi Takaffoli  
  MMRI
A multi-disciplinary, multi-campus research hub

- Developing a high-impact cluster of research excellence in different sub-areas of materials and manufacturing.
- Expanding collaboration with other UBC Institutes/Centres, and a number of leading national and international research networks and industrial sectors.
- Ultimate vision: Be a role model in Canada to link basic and applied research on materials and manufacturing.
Research Pillars

Aerospace and Transportation
Materials and Manufacturing

Biomedical and Biological
Materials and Manufacturing

Building and Construction
Materials and Manufacturing

Electromagnetic and Nanoscale
Materials and Manufacturing

Polymer and Natural
Materials and Manufacturing

Data Science and Engineering (Data²)
for Materials and Manufacturing

Performance
Property
Structure
Process

Data²
MMRI Team cont’d.

Homayoun Najjaran
CTO, Design for Industry 4.0 Cluster

Mahdi Takaffoli
Research Engineer

Jolene Campbell
Administrative Assistant

Abbas Milani
Director
Highly Integrated Basic and Responsive (HIBAR)

Multidisciplinary Undergraduate Research Projects in Health (MURPH)
- 9 applied health projects
- 18 principal investigators from 5 faculties
- 9 student teams—with at least two students from different faculties
- 2 graduate mentors

Bottom-up (Capacity Building)
- Generic and autonomous
- Strategic learning and development
- Long-term collaboration
- Team-driven & flexible
- Often lack of short-term application

Top-down (Technology Leadership)
- Well-established short-term vision and application
- Risk-free (industry-driven)
- Often inflexible
- Bureaucracy

Basic Research
Applied Research
Push
Pull

STRATEGY
“People who wish to go into the future should have two skills to succeed – the ability to deal with people and the ability to sell.” – Shiv Khera, author
Thank-You!

UBC MMRI

mmri.ubc.ca
University of British Columbia’s Okanagan campus

Dr. Joan L. Bottorff, Director
PARTNERING IN
HEALTH PROMOTION RESEARCH
Why now

➢ 89% of Canadian deaths from chronic disease

➢ Preventable:
  ➢ 50% of cancers
  ➢ 90% of CVD
  ➢ 91% of diabetes
GENERATING INNOVATIVE SOLUTIONS
TO SUPPORT HEALTHY LIVING

ihlcdp.ok.ubc.ca/
Our Research

• Supporting community-based health research
• Stepping up research and development in health promotion

Topics include:
• Active living - physical activity
• Healthy eating
• Reducing substance use (e.g., tobacco)
• Promoting well-being and mental health
• Aging and health
• Promoting healthy living among those with chronic disease
IHLCDP Activities

- Grant support
- Partnership building
- Knowledge exchange
- Research training
Small Steps for Big Changes Showcase
March 6th, 2019
On Monday March 4th, IHCLDP Associate, Dr. Mary Jung, Dr. Cortiss Bean, and the Diabetes Prevention Research Group at the University of

Psychological impact of natural disaster
February 16, 2019
A new study is underway to explore the psychological impact of floods, wildfires, and other

Caregiver Decision Guide
February 12, 2019
Dr. Carole Robinson, Professor Emeritus and IHCLDP Associate (retired), in the School of Nursing, and her team have launched a new interactive decision guide to support family
OCTOBER

08 OCT  MAKING CONNECTIONS: MAKING A DIFFERENCE - SCALING OUT A VOLUNTEER NAVIGATION INTERVENTION
        A RESEARCH TO PRACTICE PRESENTATION

10 OCT  JOINING FORCES FOR HEALTHY KIDS SYMPOSIUM
        A PARTNERSHIP IN RESEARCH EVENT

NOVEMBER

08 NOV  CANNABIS LEGALIZATION AND YOUNG ADULTS: EARLY SIGNALS FROM THE MULTI-METHOD EVALUATION OF THE TRANSITIONS TO CANNABIS LEGALIZATION (METRIC-L) STUDY
        A PARTNERSHIP IN RESEARCH SEMINAR

7th Annual Okanagan Embrace Aging month is March 2020
@ihlcdp

www.ihlcdp.ok.ubc.ca

E: Joan.Bottorff@ubc.ca
MURPH Faculty

Dr. Sakakibara  Ms. Jansons  Dr. Jones  Dr. Kurtz  Dr. Marcolin  Dr. Najjaran

Dr. Rheault  Dr. Golovin  Dr. Bottorff  Dr. Hasan  Dr. Hoorfar  Dr. Gibson
MURPH Graduate Mentors

Natasha Haskey

Negin Kazemian
MURPH Graduate Mentors - Negin

2014 - BSc in Microbiology
2017 - MSc in Biology
2018 - Research Assistant (Pakpour Laboratory)
2019-Present - PhD in Applied Science

PhD Research
Effects of gut microbiota on hypercholesterolemia and coronary artery disease via modulation of cholesterol metabolism
Supervisor: Dr. Sepideh Pakpour
MURPH Graduate Mentors - Natasha

1998  BSc in Nutrition
1999  Post-Graduate Dietetic Internship
2007  MSc in Nutrition
2017-present  PhD candidate in Biology

1999-current  Registered Dietitian

**PhD Research**
The effect of diet modification on clinical disease activity, the gut microbiome and immune responses in patients with ulcerative colitis
Supervisor: Dr. Deanna Gibson
Mentorship

• To provide mentorship support to accepted undergraduates in MURPH
• To provide support to the senior management team with execution of the program
  • Development and execution of the workshops
Upcoming Events

We Are MURPH, Conducting Multidisciplinary Research

You are highly encouraged to attend all workshops and conferences

Workshop 1
Room SCI 333
5:30-7:00

Workshop 2
Room-TBD
5:30-7:00

Workshop 3
Room-TBD
5:30-7:00

UBCO Conference
UBC Interdisciplinary Student Health Conference

MURC Conference
UBC Vancouver
8:00am-6:30pm
Workshops

• Focused on communication skills in the unique context of **multidisciplinary research** and **health research**
• Diversity among the projects and backgrounds of the MURPH scholars will be **embraced** and **mobilized**
• Workshops will be **active** and **participatory**
• Total time commitment of each workshop is **approximately 3.5 hours**
  • 1 hour of pre-workshop activities
  • 1.5 hour for the workshop itself
  • 1 hour of post-workshop activities and deliverables
Workshops

Communicating within your team

Communicating with patients, users, and research subjects

Communicating within the research community

Workshop 1
Multidisciplinary Teamwork and Collaboration

Workshop 2
Human-Centered Research in Health

Workshop 3
Research Presentation and Dissemination
Upcoming Events Material & Communication

- All MURPH workshop related information including the pre- and post-workshop activities will be posted on canvas.
- You will receive an invitation for all upcoming events.
- You must RSVP and notify us when you are unable to make it.
MURPH Certificate

01 Completion of the assigned research project to the satisfaction of your faculty advisor

02 Attendance at 3 workshops

03 Attendance at 1 of 2 conferences in March 2020
MURPH Dinner & Bingo

- Feel free to grab some food and participate in the Bingo game
- Individuals who complete this portion will be entered to win a prize!

<table>
<thead>
<tr>
<th>Asks for</th>
<th>Response 1</th>
<th>Response 2</th>
<th>Response 3</th>
<th>Response 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Has a pet</td>
<td>Plays a musical instrument</td>
<td>Enjoys camping</td>
<td>Has a tattoo</td>
<td>Was born in Kelowna</td>
</tr>
<tr>
<td>Plays on a sports team</td>
<td>Has lived in another country</td>
<td>Has a birthday this month</td>
<td>Has children</td>
<td>Is afraid of spiders</td>
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<tr>
<td>Practices yoga</td>
<td>Has worked at UBCO for more than 10 years</td>
<td>FREE</td>
<td>Has never had a speeding ticket</td>
<td>Has blue eyes</td>
</tr>
<tr>
<td>Has run a marathon</td>
<td>Is left-handed</td>
<td>Has red hair</td>
<td>Watches Big Brother</td>
<td>Rides the bus to UBCO</td>
</tr>
<tr>
<td>Speaks more than 2 languages</td>
<td>Has been to Europe</td>
<td>Loves to ski</td>
<td>Dislikes coffee</td>
<td>Does not have a Facebook account</td>
</tr>
</tbody>
</table>
THANK YOU
FOR ATTENDING