

# INFORMATION IN ACTION

Stuff You Need to Know as a Knowledge Creator -  
From Educators to Researchers and Beyond

Dalhousie Libraries

NSHA Library Services and Research & Innovation

Maritime SPOR SUPPORT Unit



# Info in Action - Partners



## Fast Facts:

- Third year for this series
- New partnership with NSHA Research & Innovation
- All content from the series will be available late November here: <https://library.nshealth.ca/InfoinAction>



# Two Streams

## Building Research Capacity

- Early career investigators
- Assisting or leading **Research** studies



## Getting Buy-in for Your Knowledge Project

- Broader audience
- How we **research**, create and share knowledge at work



# Register for Upcoming Sessions



Library / Calendar / Learning Opportunities

September 2019

Learning Opportunities - Upcoming Events

Category: **Info in Action**

**Stuff You Need to Know as a Knowledge Creator - From Educators to Researchers and Beyond**

This session kicks off the Information in Action series brought to you by NSHA Library Services and Research & Innovation, the Maritime SPOR SUPPORT Unit (MSSU), and Dalhousie Libraries. This introductory...

Date: Wednesday, September 18, 2019  
Time: 12:00pm - 1:00pm  
Location: All Zones  
Categories: **Info in Action** Online Research & Innovation

Registered - 23 seats left

**Developing Your Research Question**

This session is part of Information in Action: Building Research Capacity brought to you by NSHA Research & Innovation. What is a research question? How specific does it need to be? Does it effectively...

Date: Wednesday, October 2, 2019  
Time: 12:00pm - 1:00pm  
Location: All Zones  
Categories: **Info in Action** Online Research & Innovation

Registered - 25 seats left

**Building Your Team with the Right People from the Get-go**

This session is part of Information in Action: Getting Buy-in for Your Knowledge Project brought to you by NSHA Library Services, the Maritime SPOR SUPPORT Unit (MSSU), and Dalhousie Libraries. At our organ...

Date: Wednesday, October 9, 2019  
Time: 12:00pm - 1:00pm  
Location: All Zones  
Categories: **Info in Action** Library Services Online

Library / Calendar / Learning Opportunities

September 2019

Learning Opportunities - Upcoming Events

Category: **Research & Innovation**

**Research Regulations: Conducting Clinical Trials Under the Tri-Council Policy Statement**

Sessions about research regulations are brought to you by NSHA Research & Innovation. We are pleased to welcome presenter Martin Lefebvre who will join us remotely from Quebec. Participants will be invit...

Date: Tuesday, September 17, 2019  
Time: 12:00pm - 1:00pm  
Location: All Zones  
Categories: **Research & Innovation** Lunch & Learn Online

Registered - 114 seats left

**Stuff You Need to Know as a Knowledge Creator - From Educators to Researchers and Beyond**

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<https://library.nshealth.ca/InfoinAction2019>

<https://library.nshealth.ca/ResearchEvents>

# Today's Agenda

- **Getting** support across health organizations
- **Securing** ethics approval (when necessary)
- **Preparing** for sharing your project outcomes
- **Negotiating** and assigning authorship



# Getting Support

**Leah.Boulos@nshealth.ca**, Evidence Synthesis Coordinator, Maritime SPOR SUPPORT Unit

**Katie.McLean@nshealth.ca**, Librarian Educator, NSHA Library Services

# Hospital Libraries



## Library Services - Access

- <https://library.nshealth.ca>
  - > *Google NSHA Library*
- Active directory credentials (webmail) to login to subscription resources outside of NSHA network
- [AskLibrary@nshealth.ca](mailto:AskLibrary@nshealth.ca)

## Services

- Literature searching
- Learning opportunities and events
- Article delivery (interlibrary loan)
- One-on-one consultations
- Citation management
- Subject guides
- Patient education pamphlets

# NSHA Research & Innovation

## Access

- <http://www.cdha.nshealth.ca/discovery-innovation>
- <http://library.nshealth.ca/ResearchEvents>

## Contact

- [Andrea.Dean@nshealth.ca](mailto:Andrea.Dean@nshealth.ca)
- [ResearchEducation@nshealth.ca](mailto:ResearchEducation@nshealth.ca)

## Services

- REB and Quality
- Research (Industry-funded and grants)
- Research Communications
- HR/Corporate Services
- Research Development
- Innovation
- Research Methods Unit (RMU)



# Patient-Oriented Research Projects

## Maritime SPOR SUPPORT Unit

- Research support unit based at five sites across Maritimes (Halifax, Fredericton, Saint John, Moncton, Charlottetown)
- Increasing local capacity for patient-oriented research
- Helping decision-makers move evidence into practice/policy
- Request support [here](#)



Research  
Consultations

Capacity  
Development  
& Training

Evidence Synthesis, Knowledge  
Translation, Patient Engagement,  
Research Methods, Privacy & Ethics,  
Administrative Data, Grant Review

# Students & Faculty



Dalhousie Libraries

## Dalhousie Library Services

<https://libraries.dal.ca/>

- *Google Dal Libraries*
- Active NetID credentials (webmail) to login to subscription resources outside of Dalhousie Campus
- [Kellogg@dal.ca](mailto:Kellogg@dal.ca)

## Services

- [Literature & Comprehensive searching](#)
- Learning opportunities and events
- Document delivery (interlibrary loan)
- One-on-one consultations
- Citation management
- Subject guides

# Students & Faculty

## University Libraries throughout the Maritimes

- Other universities with health sciences and/or nursing librarians:  
U de Moncton, UNB (Fredericton & SJ), StFX, CBU, UPEI

University librarians can offer training and search support for everything from quick literature scans to full-scale systematic reviews. Services vary by school.



# Securing Ethics (when needed)

[Andrea.Dean@nshealth.ca](mailto:Andrea.Dean@nshealth.ca), Program Manager, Research Education,  
NSHA Research & Innovation

# When do you need ethics approval?

## TCPS Article 2.1

The following requires Ethics review and approval by **Research Ethics Board (REB)** before the research commences:

- Research involving **living human participants**
- Research involving **human biological materials**

## Purpose of REB

- To ensure the **protection** of the rights, safety and well-being of **human subjects** involved in research
- To review, **approve**, and provide **continuing review** of the protocol and amendments
- To **approve methods and material** used in obtaining and documenting informed consent of human subjects

# Who do you need ethics approval from?

All human subjects research involving Nova Scotia Health Authority (NSHA) patients, staff, affiliated physicians/scientists, resources and/or data:

- is to be approved by the NSHA Research Ethics Board (REB) **before** the research begins.
- is **subject to continuing review and monitoring** by the NSHA REB.
- may be **suspended or terminated for cause** at the discretion of the NSHA REB.

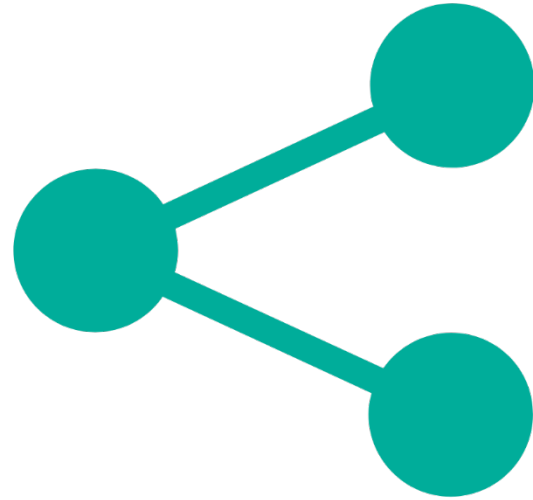
**Study specific.** May need other REB approvals: IWK, Dal etc.

# When do you not need ethics approval?

**Do not constitute Research** and do not fall within the scope of REB review:

- **Quality** assurance and quality improvement projects
- **Program evaluation** activities
- **Performance reviews** or testing within normal educational requirements when used exclusively for assessment, management or improvement purposes





# Preparing to Share Outcomes

Lara.Killian@nshealth.ca, Librarian Educator, NSHA Library Services



# Who needs to know?

- **Who will benefit** from learning about your project?
  - Colleagues (internal, external)?
  - Other researchers?
  - Students?
  - Government stakeholders?
  - Patients & families?
  - Public?



# How will you reach them?

- **Targeted** vs **open** methods of dissemination
- **Key journals** or other **publications** in your topic area
- **Internal** vs **external** outlets



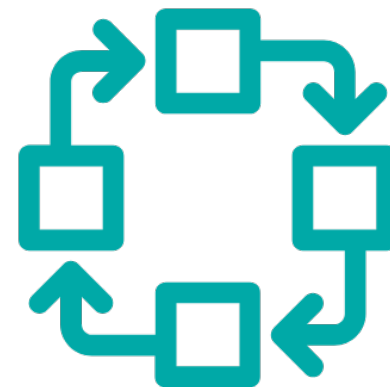
# How can you increase impact?

- Let **colleagues not involved** in your project **know** what you're working on
- Plan **check in points** to let stakeholders know about your **progress**
- Follow up at **key intervals**, then again when project is **completed** and when **deliverables** are available
- Ask **everyone involved** to **share** through their personal networks
- Draft and share **messaging** appropriate for various media types



# Extending the life cycle of your outcomes

- Are you planning a project that will **collect data**?
  - Consider an appropriate repository for your data
  - Connect with a data management librarian or other resources at your institution
  - Check **CIHR guidelines** for health research data:  
<http://www.cihr-irsc.gc.ca/e/49940.html>
- If you have copyright of your deliverables, **consider** a Creative Commons license to allow others to reuse and adapt:  
<https://creativecommons.org/licenses/>





# Negotiating Authorship

Melissa.Rothfus@dal.ca, Scholarly Communication Librarian, Dalhousie University

# Who is an Author?

It's about credit, but more...

“Authorship...implies *responsibility* and *accountability* for published work.”

– ICMJE (International Committee of Medical Journal Editors)

# Criteria for Authorship

1. **Substantial contributions** to the conception or design of the work; or the acquisition, analysis, or interpretation of data for the work; **AND**
2. **Drafting** the work **or revising** it critically for important intellectual content; **AND**
3. **Final approval** of the version to be published; **AND**
4. Agreement to be **accountable** for all aspects of the work in ensuring that questions related to the **accuracy or integrity** of any part of the work are appropriately investigated and resolved.

# Order of Authorship

## No one, universal convention!

- Descending order of contribution
  - Same as above, but with most senior/experienced researcher last
  - Alphabetical
  - Completely random
- 
- Size/importance of contribution **cannot** be determined by order
  - Order should be determined by group **early** in the collaboration



# Non-author Contributions

## Acknowledgements

- Named with contribution specified (collected data, served as scientific advisor, edited manuscript, etc.)
- Names should **NOT** be included **without permission**





- [ResearchEducation@nshealth.ca](mailto:ResearchEducation@nshealth.ca)
- [AskLibrary@nshealth.ca](mailto:AskLibrary@nshealth.ca)
- [info@mssu.ca](mailto:info@mssu.ca)
- [libraries.dal.ca/help/ask-us.html](http://libraries.dal.ca/help/ask-us.html)



[library.nshealth.ca/InfoinAction2019](http://library.nshealth.ca/InfoinAction2019)



- Katie or Lara (NSHA Library Services)
- Leah (MSSU)
- Andrea (NSHA Research & Innovation)
- Melissa (Dalhousie Libraries)

## Takeaways

- ✓ Various supports across Health care, Universities and Government depending on affiliation and purpose
- ✓ Ethics approval needed when your project involves living human participants and/or biological materials
- ✓ Identify key colleagues to share your message and keep them updated about your work
- ✓ Consult with ICMJE for authorship guidance. Always negotiate or check with an individual before listing them as author or in acknowledgements