

REALISE *the News* – February 2019

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UPCOMING HBI REALISE TRAINING MODULES

To sign up for any of the following modules:

1. Go to the **REALISE Intranet Site** at <https://ecs.ucalgary.ca/faculty/medicine/realise> and enter your UCalgary username and password
2. Navigate to the **REALISE Calendar** and click on the module you'd like to register for
3. Click **Register** in the top left corner, then **Start**

Intellectual Property and Licensing

February 5, 2019 | 10 am – 12:00 pm | Location: HSC 1405B

Presenter: Nima Najand, Innovate Calgary

Module in brief: This session will provide an overview of the types of intellectual property and how to protect them. Participants learn how to:

- define intellectual property types including patent, trademark, copyright, trade secret, confidentiality, ownership, and licensing
- describe what can be protected
- assess considerations related to protecting intellectual property
- perform valuation and licensing of intellectual property
- access tools for global searching of 100,000,000 patents
- identify Calgary resources for intellectual property support

Tackling Your Research Proposal

February 6, 2019 | 10 – 11:30 am | Location: TBD

Presenters: Rebekah Devinney, Jeff Dunn, and Ben Ewanchuck

Module in brief: Join professors Rebekah Devinney and Jeff Dunn, and PhD student Ben Ewanchuck to learn more about how to structure a great research proposal. The session will include a presentation on how to build your research proposal, an interactive portion in which you will learn how to best sell your science and write concisely, and a question and answer period.

Adobe Design Fundamentals in Research

Part 1: February 14, 2019 | 3 – 4:50 pm | Location: HSC O1501

Part 2: February 26, 2019 | 3 – 4:50 pm | Location: HSC O1501

Presenters: Brooke Belanger and Aaron Lanz

Module in brief: A two-part seminar on how to utilize Adobe Illustrator effectively for visual representations of research. These modules will teach trainees how to arrange posters effectively and create infographics to illustrate their work. Participants will use icons, words and images in an eloquent and visually appealing way to communicate their ideas to different target audiences. Part 1 of the module series (February 14) will focus on posters using both Illustrator and PowerPoint. Part 2 of the module series (February 26) will focus on infographics using Adobe Illustrator. Participation in Part 2 is optional, but it is strongly recommended that trainees attend Part 1 before attending Part 2.

Balancing Life in Graduate School

February 20, 2019 | 2 – 3:30 pm | Location: HSC O1500

Presenter: Jennifer Thannhauser

Description: Feeling stressed? Balancing life in grad school can be challenging. This interactive session will help you learn how to set priorities, deal with imposter syndrome and the inner critic, and practice self-compassion. Facilitated by Dr. Jennifer Thannhauser, PhD, RPsych, a counsellor at the UCalgary's SU Wellness Centre, this session will give you the tools you need to balance your life more effectively.

Introduction to EEG and ERP Research

February 25, 2019 | 10:30 am – 2:30 pm* | Location: HSC O1501

** Lunch break from 12-1pm. Lunch not provided.*

Presenters: Dan Pittman and Fil Cortese

Module in brief: A two-part session, comprised of a lecture and hands-on component, designed to acquaint trainees with encephalography (EEG) and event-related potentials (ERPs). Trainees will learn about the theories underlying EEG/ERP recordings and how to collect EEG/ERP data correctly. The session will provide a hands-on tutorial on how to analyze EEG/ERP data, perform statistical analysis of EEG/ERP data, and will include an overview of advanced EEG/ERP analysis topics such as wavelet and source analysis.

Design Thinking and Rapid Prototyping Module Series

The Design Thinking and Rapid Prototyping Module Series will provide graduate students with a hands-on introduction to the design thinking process and rapid prototyping techniques. The series is part of a larger initiative involving three real-world projects sourced from basic science and clinical research laboratories in the HBI, see attached for more information.

The following rapid prototyping skill development sessions will focus on structure, function and control and are open to all REALISE students. *Space is limited so please register early.*

Skill development I – Structure

March 14, 2019 | 3 – 5 pm | Location: HSC O1504/O1506

In this session, students will be introduced to CAD modeling, structural analysis and fabrication (3D printing, machining) techniques. With this knowledge, students will be able to design and print simple structures/components for use in the lab setting.

Skill development II – Function

March 21, 2019 | 3 – 5 pm | Location: HSC O1504/O1506

In this session, students will be introduced to electrical circuits, basic electronics and common sensors. With this knowledge, students will be able to select sensors relevant to their needs in the lab setting, and build simple circuits to extend the functionality of existing tools in the lab.

Skill development III – Control

March 28, 2019 | 3 – 5 pm | Location: HSC O1504/O1506

In this session, students will be introduced to digital logic, sequential programming and simple state machines. With this knowledge, students will be able to communicate with simple microcontrollers and program them to realize automation needs in the lab.

Writing Bias

March 19, 2019 | 1 – 3 pm | Location: HSC 1405B

Presenter: Jenna Slobozian

Module in brief: The session will look at gendered language from two perspectives; the first examining the differences and similarities in the ways in which men and women write and the second being the differences and similarities in the way men and women are written about. The session will cover topics such as writing of grant/fellowship/scholarship applications as well as letters of support or recommendation.

Supported Conversation for Adults with Aphasia (SCA™) Workshop

March 29, 2019 | 9 am – 12 pm | Location: HSC 1500

Presenter: Heather A. Tomlinson, M.Sc. (A), R.SLP, S-LP (c)

Workshop in brief: Aphasia (pronounced “a-fay-zha”) is an acquired communication disorder, typically the result of a stroke or brain injury, which affects peoples’ ability to speak, understand, read and/or write. By limiting individuals’ ability to engage in conversation, aphasia impacts all aspects of life including our roles and relationships with family, friends and work colleagues. This interactive workshop will help participants understand what aphasia is and how to communicate with adults with aphasia.

OTHER UCALGARY WORKSHOPS, EVENTS AND SEMINARS

Graduate Science Education

[Three Minute Thesis \(3MT\) is coming!](#)

This annual grad student speaking competition is coming soon. It’s a great way for students to practice their speaking and presentation skills. Heats scheduled for March, Finals in April. Workshops/feedback sessions help students prepare. Keep an eye on GRADvisor for more details! Registration opens February 1.

Workshops @ Health Sciences Library

[Understanding Systematic Reviews](#)

February 6, 2019 | 1 – 2 pm

[Searching MEDLINE Systematically](#)

February 6, 2019 | 2 – 3 pm

[EndNote Desktop](#)

February 7, 2019 | 2 – 3:30 pm

Workshops on Main Campus

[General Interview Strategies for Non-Academic Careers @ TFDL](#)

February 6, 2019 | 3 – 5 pm

[Leveraging Your Strengths for Professional Success @ TFDL](#)

February 14, 2019 | 3 – 5 pm

[Intercultural Conflict Resolution @ TFDL](#)

February 20, 2019 | 3 – 5 pm

[Professional Networking Skills for Graduate Students @Hunter Hub, MSC](#)

February 21, 2019 | 1:30 – 4:30 pm

OPPORTUNITY FOR INTERNATIONAL STUDENTS

Are you an international student? If so, have you heard of the International Neuroscience Student Orientation/Support Group?

The International Neuroscience Student Orientation/Support Group assists international students and those for whom English is not their first language to become familiar with the academic environment and available resources on campus. Monthly meetings provide a supportive environment to share experiences and information on the Neuroscience program including general information about courses, proposal evaluation meetings, and candidacy.

The next meeting is scheduled for Friday, February 22 at 4 pm. Please email Zahra zahra.ofoghi@ucalgary.ca or Zeanna zajadavj@ucalgary.ca for more information.

HBI REALISE COMMUNITY OUTREACH OPPORTUNITIES

Would you like to share your knowledge to help out the Calgary community?

The HBI REALISE Community Outreach Program provides HBI trainees with the opportunity to engage with the public in meaningful ways while honing their science communication and public presentation skills. ATB Financial and the Schizophrenia Society of Alberta (SSA) are looking for trainees to provide presentations on any of the following topics: stress, addiction, mental health, microbiota, addictions & mental health, cannabis & mental health, neurostimulation, pain, prebiotics/probiotics, dementia, and movement disorders.

Please contact realise@ucalgary.ca for more information.