

REALISE *the News* – January 2019

Hello Trainees! We've just added a couple of modules that you may want to attend: **Tackling Your Research Proposal** (February 6) and **Balancing Life in Grad School** (February 20). Please see below for more information.

UPCOMING REALISE TRAINING MODULES

To sign up for upcoming modules, please use the REALISE Intranet Site URL: <https://ecs.ucalgary.ca/faculty/medicine/realise>

The Hippocampus: Structure and Function in Neuropsychiatric Illnesses

Lecture 1: January 23, 2019 | 1 – 2:20 pm | Location: HSC 1405A

Lecture 2: January 28, 2019 | 9 – 10:20 am | Location: HSC 1405A

Presenter: Nikita Nogovitsyn

Modules in brief: Learn about the pathophysiology of hippocampus and its role in neuropsychiatric illnesses.

Lecture 1: January 23, 2019

- Hippocampus structure: cytoarchitectonic, neurotransmitters and principal hippocampal neurocircuits
- Hippocampus function: cognition and memory
- Visualizing hippocampus for research. Common research methodological procedures investigating hippocampal structure and function. In-vivo neuroimaging techniques; ex-vivo/post-mortem immunological procedures.

Lecture 2: January 28, 2019

- Hippocampus and neurocognitive disorders
- Hippocampus and neuropsychiatric illness

Basics of fMRI Preprocessing and Analysis

January 28, 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 teach trainees new to fMRI to preprocess (prepare data for further analyses) and perform first-level analyses. Attendees will be able to: appreciate and understand 4D datasets, convert scanner acquired data to nifti format, use FSL (comprehensive library of analysis software tools) to perform basic preprocessing steps (filter, motion and time corrections, spatial smoothing, brain registration), and initial within-subject analysis (multiple regression, experimental design, data fitting, statistical output).

Intellectual Property and Licensing

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

Presenter: Nima Najand, Innovate Calgary

Module in brief: The 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

****NEW**** 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 more about 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

Facilitators: 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.

****NEW**** Balancing Life in Graduate School

February 20, 2019 | 1:30 – 3:30 pm | Location: HSC O1500

Facilitator: 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). We will discuss theories underlying EEG/ERP recordings, teach how to collect EEG/ERP data correctly, provide a hands-on tutorial on how to analyze EEG/ERP data, explain how to perform statistical analysis of EEG/ERP data, and briefly touch upon advanced EEG/ERP analysis topics such as wavelet and source analysis.

Writing Bias

~~January 30, 2019~~ **Rescheduled to March 19 | 1 – 3 pm** | Location: HSC G801E

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.

OTHER UCALGARY WORKSHOPS, EVENTS AND SEMINARS

Career Services

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

February 6, 2019 | 3 – 5 pm

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

February 14, 2019 - 3:00pm to 5:00pm

[Intercultural Conflict Resolution @TFDL](#)

February 20, 2019 - 3:00pm to 5:00pm

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

February 21, 2019 - 1:30pm to 4:30pm

Council of Foothills DGAs

January 25, 2019 | 6 – 9 pm | Location: University of Calgary Downtown Campus Event Centre

This student-led initiative will bring together fifty students from the Cumming School of Medicine and fifty professionals in the social event of the year. This gathering will be the first of its kind where students and professionals will share an evening of fine dining.

[Click here for more information and to register](#)