

REALISE *the* News – November 2018

MEET YOUR HBITO EXECUTIVES

VICE-PRESIDENT & TREASURER OF HBITO (written by Carly Pontifex)



Chris Duszynski is the Vice President and Treasurer of the HBITO and is a PhD candidate working with Dr. Jeff Dunn. Since he became involved with the HBITO two years ago, all of the executive portfolios of the HBITO have increased in activity. He envisions continued growth for the HBITO, including increasing educational offerings that may include more teaching opportunities, and greater access to certificate courses and modules for career and professional development. He intends to improve outreach by building collaborations with other trainee led organizations as well as community partners. In his off-time he enjoys spending his time in the mountains, camping and fishing. Chris grew up in Alberta, moving to Vermont to pursue his BSc. in Sports Medicine at Norwich University where he played Varsity Ice Hockey. As

he watched his friends and teammates suffer from concussion injuries, he realized the importance of having an accurate way to diagnose concussion. There are currently no reliable imaging methods to diagnose concussion. The lack of diagnostic tools means that it is difficult to predict which patients will recover quickly and which patients are at risk for chronic injury. Chris is working on developing a portable medical device that uses light to objectively measure changes in brain function. This device projects light waves safely through the skull and brain tissue, where blood absorbs some of the photons before they are detected again at the surface. This provides a measure of local oxygen content in the brain. He would like to determine if this technology can be an accessible alternative to help diagnose and monitor concussion. Looking to the future, Chris is interested in improving the accessibility of new technology through entrepreneurship. He hopes to contribute to the commercialization of new technologies being developed in labs around the world.

UPCOMING REALISE TRAINING MODULES

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

Modern Approaches to Optogenetics and Behavioural Neuroscience **PLEASE NOTE DATE and LOCATION CHANGE**

November 14-21, Mondays and Wednesday | 10:00-11:50am

Location:

November 14: G748

November 19: G748

November 21: 1509A

Presenters: Dr. Taylor Chomiak and Dr. Tamas Fuzesi

Module in brief: This module will provide an introduction to Optogenetics and Behavioural Neuroscience with a focus on basic principles and practical applications. Participants will be given an introduction as to how to effectively incorporate optogenetics and behavioural analysis into their

research. Lectures will cover the basics and general principles guiding optogenetics and rodent behavioural testing and analysis. Participants will also become familiar with classic and more modern approaches for behavioural and statistical data analysis. An emphasis will be placed on ensuring proper controls are in place to ensure that reliable, high quality data are produced.

Limited space available

Act Your Science: Improve Your Science Communication Skills

Improve your science communication skills using recognized acting and improvisation methods. This unique training opportunity will improve your ability to present to all sizes of groups, while having fun with peers.

Click here for more information: <https://www.ucalgary.ca/dunnimaging/files/dunnimaging/act-your-science.pdf> or contact Carly at cspontif@ucalgary.ca

Application Deadline: October 26th

Program starts November 14th

Mind the Gap Boot Camp: Communication

November 16 | 1:00pm-4:00pm

Location: HSC O1500

Module in brief: Communication is a critical tool in the workforce. Understanding the different forms of communication is only the start of understanding how to ensure you use them effectively. Science communication complicates things as there are often both technical and scientific language that clouds the messages, depending on your audience. This workshop is designed to give you tips on how to increase your communication effectiveness around three primary types of communication; visual, writing and oral.

Workshop Breakdown

Visual Communication: telling a visual story, poster layout; digital and print, tips for an effective PowerPoint Presentation

Written Communication: proposal writing, lab/research notes, email etiquette

Oral Communication: tips on oral presentation performance, interactive activity

Assessing Your Transferable Skills Developed Through Your Graduate Program

November 20 | 3:00pm-5:00pm

Location: HSC 1405B

Module in brief: As a Master or PhD graduate, you have developed advanced research, analytical and technical skills. Employers value these but expect you to also possess a range of transferable skills that, at this point, you're not even sure how to identify. This workshop is designed to educate you on a variety of skills categories, recognize the skills of others and yourself, and self-assess your skill level to

identify skills gaps. A variety of My GradSkills resources will be provided to assist you in opportunities to improve on these skills gaps will be presented.

Registration Link: <https://careerlink.ucalgary.ca/eventsPublic.htm>

Registration Deadline: Nov 11, 2018 02:55 PM

Basics of TMS Robot and its Application

December 5 | 8:50am – 12:00pm

Location: Alberta's Children's Hospital

Module in brief: Educate trainees and associates in the neuroscience field about the basic usage of TMS robot and its applications.

Audience: Trainees, scientists, researchers within REALISE who wish to learn about the basics of the transcranial magnetic stimulation (TMS) Robot (the only one in North America).

Schedule:

8:50 am: Meet at the Alberta Children's Hospital Lobby

9am-10am: Conference room 7: room number: A4-725 – 4th floor of Children's hospital

10:30am-12pm: TMS Lab (TMS robotic lab, room number C1- 314)

Limited space available

Building Professional Relationships

December 5, 2018 | 9:00am to 4:00pm

Location: G743

Facilitated by: Terry Wasylak, Senior Consultant, The Career Clinic

Session in brief: This full-day session is designed to help participants understand and evaluate their individual strengths in the context of relationships with other people. The workshop focuses on building effective professional relationships, workplace politics and communication. Participants will also complete the Meyers-Briggs' Type Indicator questionnaire.

Presented in partnership with the ACHRI. Space is limited. Priority registration will be given to REALISE trainees who have not previously participated in this workshop series. Lunch will be provided.

Limited space available

Resume Writing and Interview Preparation

December 10, 2018 | 9:00am to 5:00pm

Location: G750

Facilitated by: Terry Wasylak, Senior Consultant, The Career Clinic

Session in brief: This full-day session is designed to help participants understand key recruiter/employer expectations. The workshop will focus on: preparing and critiquing resumes, proper preparation for interviews and collaborative negotiation techniques.

IMPORTANT NOTE: Presented in partnership with ACHRI. It is strongly recommended that participants also attend the Building Professional Relationships Module (December 5, 2018). There will also be a **follow up session on January 21st** on an individual basis with Terry. A signup sheet will be available on Dec. 10th after the Resume Writing and Interview Preparation module is completed.

Limited space available

Conflict Resolution

January 15, 2019 | 9:00am to 12:00pm

Location: G750

Facilitated by: Terry Wasylak, Senior Consultant, The Career Clinic

Session in brief: Conflict itself is neither good nor bad, how we manage it determines that. In its best forms, conflict can be a catalyst for dialogue and creativity. Successful people know this and learn to manage these gaps effectively, turning conflict into an opportunity for growth and change. This workshop will help participants identify their preferred conflict management mode and emphasize the need to use all modes according to what the situation demands.

Presented in partnership with ACHRI.

Limited space available

TA Opportunities

The *Educational Neuroscience: Applications for Teaching & Learning* MEd certificate program is looking for a TA for its Brain-Behaviour Relationships class for Winter 2019. See the below link for a course description:

https://werklund.ucalgary.ca/gpe/programs-specializations/master-education-med-interdisciplinary-route/educational-neuroscience#quickset-field_collection_quicktabs_2

The TA position will be approximately 102 hours split between two courses focusing on the temporal and parietal lobes. It includes preparing one live lecture to deliver twice (once to each section), marking one assignment and inputting grades, meeting with students (online/phone) as needed (up to 3 hours), email communication, and meeting with instructors. The position would take up approximately 8.5 hours/week for the Winter 2019 semester.

If you are interested in applying, please contact Dr. Gabrielle Wilcox (gwilcox@ucalgary.ca) with your CV and a 1/2 page statement of interest.