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**UBC MRI Research Groups**

**12th Annual Retreat**

**Rudy North Theatre, DM CBH**

**PROGRAM**

**Monday, May 7, 2018**





 

**UBC MRI Research Centre**

**Research Groups Retreat**

**Rudy North Theatre**

 **May 7th, 2018**

**8:30 – 8:55 BREAKFAST**

 **9:00 - 9:05**  Welcome and opening remarks ***Alex MacKay***

 **9:05 - 9:45**  Quantitative fMRI ***Bruce Pike, U Calgary***

 **9:45 - 10:05** Tools for Diffusion MRI ***Andrew Yung***

 **10:05 – 10:30** **COFFEE BREAK**

 **10:30 - 10:50** DBSI – Quantifying tissue microstructure with advanced diffusion MRI ***Anika Wurl***

 **10:50 - 11:10**Effect of Chemical fixation on MWF values ***Piotr Kozlowski***

 **11:10 - 11:30** Progress and pitfalls: the year in upright MR at UBC ***David Wilson***

 **11:30 - 11:50** MP2RAGE with optimized multi-channel data handling ***Jing Zhang, Qing-San Xiang***

 **12:00 – 1:00 LUNCH**

 **1:00 - 1:15** Functional MR Spectroscopy in the Human Brain at 3T ***Erin MacMillan***

 **1:15 - 1:40** Magnetic Tissue Properties ***Alex Rauscher***

 **1:40 - 1:50** We need a 7T MR at UBC ***Erin MacMillan, Alex Rauscher***

 **1:50 - 2:10** Effects of Galvanic Vestibular Stimulation on brain activity and ***Laura Kim, Soojin Lee***

connectivity patterns

 **2:10 - 2:30** Power Pitch’s for Poster Session ***Multiple***

**2:30 – 3:00** **POSTER SESSION (Coffee provided)**

**3:00 - 3:20** Machine Learning Applied to Brain MRIs for Clinical Prediction ***Roger Tam***

 **3:20 - 3:40** PET/MR - a New Technology for UBC ***Vesna Sossi***

 **3:40 - 3:50** 7T report and brief discussion  ***Piotr Kozlowski***

 **3:50 - 4:00** 3T report and discussion  ***Alex MacKay***

 **4:00 – 5:00** **COCKTAIL RECEPTION**