

W. Spencer Murch, MA

spencer@psych.ubc.ca
1 (778) 997-9275

Centre for Gambling Research at UBC
Audain Art Centre, #4045
6398 West Mall, Vancouver, Canada, V6T 1Z4

EDUCATION

- 09/2016 – *Present* UNIVERSITY OF BRITISH COLUMBIA, Vancouver, BC
Doctor of Philosophy, Psychology, Cognitive Science
- 09/2014 – 08/2016 UNIVERSITY OF BRITISH COLUMBIA, Vancouver, BC
Master of Arts, Psychology, Cognitive Science
- 09/2010 – 04/2014 UNIVERSITY OF BRITISH COLUMBIA, Vancouver, BC
Bachelor of Arts, Psychology, Honours Program

WORK

- 09/2014 – 12/2017 UNIVERSITY OF BRITISH COLUMBIA, Vancouver, BC
Teaching Assistant, Teaching Fellow*
PSYC 335 – Gambling and Decision-Making (2016, 2017)
PSYC 218 – Analysis of Behavioural Data* (2015, 2016, 2017)
PSYC 309 – Cognitive Processes (2015)
PSYC 208 – Special Topics in Social, Developmental, Personality
and Clinical Psychology (2014)
- 09/2013 – 05/2014 UBC ATTENTIONAL NEUROSCIENCE LAB, Vancouver, BC
Volunteer Research Assistant, Senior Honours Thesis
- 09/2012 – 08/2013 UBC VISION LAB, Vancouver, BC
Research Assistant, Junior Honours Thesis

INSTITUTIONAL SERVICE

- 09/2018 – *Present* UNIVERSITY OF BRITISH COLUMBIA, Vancouver, BC
Graduate Ombudsperson, Liaison to the Graduate Coordinator
- 09/2016 – 04/2018 UNIVERSITY OF BRITISH COLUMBIA, Vancouver, BC
Chair, Cognitive Area Workshop

PUBLICATIONS

- Murch, W. S., & Clark, L.** (2019). Commentary on Graydon et al. (2018): Realistic simulations and nudging gambling policy. *Addiction*. 114(1), 125-126. doi: 10.1111/add.14493
- Kennedy, D., Goshko, C., **Murch, W. S.**, Limbrick-Oldfield, E. H., Dunn, B. D., Clark, L. (2019). Interoception and respiratory sinus arrhythmia in gambling disorder. *Psychophysiology*. [ePub ahead of print]. doi: 10.1111/psyp.13333
- Murch, W. S., & Clark, L.** (2019). Effects of bet size and multi-line play on immersion and respiratory sinus arrhythmia during electronic gaming machine use. *Addictive Behaviors*. 88, 67-72. doi: 10.1016/j.addbeh.2018.08.014
- Ferland, J.N., Adams, W.K., **Murch, S.**, Wei, L., Clark, L., Winstanley, C.A. (2018). Investigating the influence of ‘losses disguised as wins’ on decision making and motivation in rats. *Behavioral Pharmacology*. 29(8), 732-744. doi: 10.1097/FBP.0000000000000455
- Chu, S., Limbrick-Oldfield, E. H., **Murch, W. S.**, & Clark, L. (2017). Why do slot machine gamblers use stopping devices? Findings from a “Casino Lab” experiment. *International Gambling Studies*. <http://doi.org/10.1080/14459795.2017.1413125>
- Murch, W. S.**, Chu S. W. M. & Clark, L. (2017). Measuring the slot machine zone with attentional dual tasks and respiratory sinus arrhythmia. *Psychology of Addictive Behaviors*, 31(3):375-384. doi: 10.1037/adb0000251
- Murch W. S.** & Clark L. (2016). Games in the brain: Neural substrates of gambling addiction. *The Neuroscientist*. 22(5), 534-545. doi: 10.1177/1073858415591474
- Cocker, P. J., Hosking, J. G., **Murch, W. S.**, Clark L. & Winstanley C. A. (2016) Activation of dopamine D4 receptors within the anterior cingulate cortex enhances the erroneous expectation of reward on a rat slot machine task. *Neuropharmacology*, 105, 186-195. doi: 10.1016/j.neuropharm.2016.01.019
- Silveira, M. M., **Murch, W. S.**, Clark L. & Winstanley C. A. (2016). Chronic atomoxetine treatment during adolescence does not influence decision-making on a rodent gambling task but does modulate amphetamine's effect on impulsive action in adulthood. *Behavioral Pharmacology*, 27 (4), 350-363. doi: 10.1097/FBP.0000000000000203

PRESENTATIONS

- 05/2018 BC SCIENCE AND POLICY CONFERENCE, Vancouver, British Columbia
"Your Attention Please: Eye tracking slot machine play to inform gambling policy." (Symposium talk)
- 02/2018 NEW HORIZONS IN RESPONSIBLE GAMBLING, Vancouver, British Columbia
"Eyes on the Prize: Predicting player immersion using a mobile eye tracker during slot machine play." (Symposium talk)
- 07/2017 NATIONAL CONFERENCE ON PROBLEM GAMBLING, Portland, Oregon
"Subjective, Behavioural and Physiological Correlates of Social Slot Machine Gambling." (Poster)
- 02/2017 NEW HORIZONS IN RESPONSIBLE GAMBLING, Vancouver, British Columbia
"Solitary Play leads to greater Immersion in Slot Machine Gambling." (Poster)
- 06/2016 16th INTERNATIONAL CONFERENCE ON GAMBLING AND RISK TAKING, Las Vegas, Nevada
"The Cost of Getting Lost: Measuring the slot machine zone with attentional dual tasks." (Symposium talk)
- 02/2016 NEW HORIZONS IN RESPONSIBLE GAMBLING, Vancouver, British Columbia
"The Cost of Getting Lost: Measuring the slot machine zone with attentional dual tasks." (Poster)
- 03/2015 ALBERTA GAMBLING RESEARCH INSTITUTE ANNUAL CONFERENCE: CRITICAL ISSUES IN GAMBLING RESEARCH, Banff, Alberta
"Physiological Arousal and Behavioural Measures of Immersion during Slot Machine Gambling." (Poster)
- 02/2015 NEW HORIZONS IN RESPONSIBLE GAMBLING, Vancouver, British Columbia
"Measuring Player Immersion in a Hybrid Casino Laboratory." (Poster)

AWARDS AND DISTINCTIONS

05/2017	UBC Psychology Coren Prize for Overall Best MA Thesis
03/2017	NSERC Doctoral Scholarship (PGS-D)
07/2016	UBC Department of Psychology Graduate Scholarship
02/2016	First-place Poster Prize, New Horizons in Responsible Gambling
07/2015	UBC Department of Psychology Graduate Scholarship
05/2014	Canadian Psychological Association Certificate of Academic Excellence

INTERVIEWS AND MEDIA RELATIONS

10/2017	<i>"Rick at UBC,"</i> CBC Rick Mercer Report. (<i>Television</i>)
02/2017	<i>"Slot machines really do lull gambling addicts into a trance, researchers find,"</i> The Daily Mail. (<i>Online</i>)
02/2017	<i>"Redesign slot machines to be less attractive to problem gamblers, UBC researcher says,"</i> CBC. (<i>Online, Radio</i>)
02/2017	<i>"Problem gamblers enter a trancelike 'zone' when they play slots, UBC study finds,"</i> The Province. (<i>Print news</i>)
02/2017	<i>"UBC study connects slot machines to addictions,"</i> Global News. (<i>Television, Online</i>).
11/2014	<i>"Tackling problem gambling,"</i> CBC News Vancouver. (<i>Television</i>)
11/2014	<i>"New research centre tackling gambling opens at UBC,"</i> Global News. (<i>Television, Online</i>)

REFEREES

Dr. Luke Clark

Associate Professor
UBC Psychology
6398 West Mall, Vancouver, BC
1 (604) 827-0618
luke.clark@psych.ubc.ca

Dr. Catharine Winstanley

Associate Professor
UBC Centre for Brain Health
2215 Wesbrook Mall, Vancouver, BC
1 (604) 822-3128
cwinstanley@psych.ubc.ca

Dr. Miriam Spering

Associate Professor
UBC Ophthalmology & Visual Sciences
818 West 10th Avenue, Vancouver, BC
1 (604) 675-8800

Dr. Todd Handy

Professor
UBC Psychology
2329 West Mall, Vancouver, BC
1 (604) 822-2706
todd@psych.ubc.ca