Nessa Bryce

www.nessabryce.com
(206) 422-0588; nessabryce@g.harvard.edu

Education:

2018-Present **Harvard University**, Cambridge, MA – Clinical Psychology PhD Candidate
(Supervised by: Dr. Katie McLaughlin)

2017 - 2018 **University of Washington**, Seattle, WA – Clinical Psychology PhD Program
(Supervised by: Dr. Katie McLaughlin)

2011 - 2015 **Quest University Canada,** Squamish, BC – *Bachelor of Arts and Sciences*
President's List (2011-2015) (GPA: 3.87)
Quest Presidential Scholarship for academic achievement ($40,000)
Quest University Canada Scholarship for community involvement ($40,000)
Graduated with Distinction/Showcased (Top 1%)
Keynote speaker for graduating students' theses presentations

2008 - 2010 **Lester B. Pearson College, United World College of the Pacific**, Victoria, BC
Full merit-based scholarship to attend ($65,000)
Pearson College is one of 16 United World Colleges worldwide that bring together students
from around the world for their final two years of high school. Over 90 countries were
represented in the student body during the two years that I attended Pearson College.

Scientific Research:

2018 - Present **Graduate Student under Dr. Katie McLaughlin** – *Harvard University, Cambridge, MA*
Under the guidance of Dr. McLaughlin, I am currently exploring the functional role of the
Default Mode network. I am also exploring how/why aberrations in this brain network might
underscore the symptoms that manifest across many psychopathologies.

2017 - 2018 **Graduate Student under Dr. Katie McLaughlin** – *University of Washington, Seattle, WA*

2015 - 2017 **Lab Manager for Dr. Catherine Hartley** -- *NYU, NY; Weill Cornell Medicine, NY*
Under the guidance of Dr. Hartley, I have explored the development of learning and
decision-making. In a recent study, we found that developmental improvements in fluid
reasoning, or the integration of learned information to solve novel problems, promotes
greater reliance on "model-based" deliberative reinforcement learning strategies from
childhood through adulthood. In addition to subject recruitment, data collection, and data
analysis, I was also involved in preparing comprehensive Internal Review Board proposals,
general lab administration, as well as training and managing volunteers.

2013 - 2015 **Research Assistant for Dr. James Enns** -- *University of British Columbia, Vancouver, BC*
Under the direction of Dr. Enns, I examined the phenomenon of insight, the spontaneous
recombination of information to produce a new understanding. We found that individuals
who experienced insight displayed distinct behavioral/psychophysiological changes
exhibited by shifts in gaze behavior. Furthermore, we found that these psychophysiological
changes were predictive of insight in a "spontaneous" setting.

Nessa Bryce

www.nessabryce.com

(206) 422-0588; nessabryce@g.harvard.edu

<u>Peer-reviewed Research Articles:</u>

*Denotes equal author contribution

McLaughlin, K. A., Flournoy, J., Dennison, M. J., Rodman, A., **Bryce, N. V**., McNeilly, E., Lurie, L., Bitran, D., Reid-Russell, A., Vidal-Bustamente, C.M., Allen, M. B., & Madhyastha, T., (In prep) A Precision Neuroscience Approach to Mapping Within-Person Variability in Brain Activation During Emotion Processing: Implications for Reliability of Task-Based fMRI.

Bryce, N. V., Flournoy, J. C., Moreira, J. F. G., Rosen, M. L., Sambook, K. A., Mair, P., & McLaughlin, K. A. (2021). Brain parcellation selection: An overlooked decision point with meaningful effects on individual differences in resting-state functional connectivity. *NeuroImage*, *243*, 118487.

Potter, T.*, **Bryce, N.***, Hartley, C., (2016). *Cognitive Components Underpinning the Development of Model-Based Learning.* Developmental Cognitive Neuroscience.

Bryce, N., Lenkic, P., Enns, J., (under revision). *Pupil dilation fails to predict spontaneous insight.* Psychology of Creativity, Aesthetics, and the Arts.

<u>Talks:</u>

Bryce, N., McLaughlin. K, (2021, March). *Brain parcellation selection: An overlooked decision point with meaningful effects on individual differences in resting-state functional connectivity*. Blitz Talk at the annual meeting of CNS, Virtual Program.

<u>Poster Presentations:</u>

Bryce, N., McLaughlin. K, (2021, March). *Brain parcellation selection: An overlooked decision point with meaningful effects on individual differences in resting-state functional connectivity.* Poster presented at the annual meeting of CNS, Virtual Program

Bryce, N., McLaughlin. K, (2020, August). *Evaluation of common brain atlases used in the a priori identification of primary functional networks.* Poster presented at the annual meeting of FLUX, Virtual Program

Bryce, N., McLaughlin. K, (2020, June). *Evaluation of common brain atlases used in the a priori identification of primary functional networks.* Poster presented at the annual meeting of OHBM, Virtual Program

Bryce, N., McLaughlin. K, (2019, August). *Subnetworks that comprise the core functional brain networks display distinct patterns of maturation.* Poster presented at the annual meeting of FLUX, New York, NY

Bryce, N., McLaughlin, K., (2019, March). *Default mode network subsystems display distinct maturational trajectories.* Poster presented at the annual meeting of Society for Research on Child Development, Baltimore, MD

Bryce, N., Shi, T., Hartley, C., (2016, September). *Cognitive Components Underpinning the Development of Model-Based Learning.* Poster presented at the annual meeting of FLUX, St. Louis, MO

Nessa Bryce
www.nessabryce.com
(206) 422-0588; nessabryce@g.harvard.edu

Bryce, N., Shi, T., Hartley, C., (2016, April). *The Role of Statistical Learning in the Development of Model-Based Choice.* Poster presented at the annual meeting of the Social Affective Neuroscience Society, New York, NY

Figure Consulting/Development Acknowledgements:

Finn, E. S. (2021). Is it time to put rest to rest?. *Trends in Cognitive Sciences*.

McLaughlin, K. A., Sheridan, M., Humphreys, K., Belsky, J., & Ellis, B. J. (2020). The value of dimensional models of early experience: thinking clearly about concepts and categories.

Gabard-Durnam, L., & McLaughlin, K. A. (2020). Sensitive periods in human development: charting a course for the future. *Current Opinion in Behavioral Sciences*, *36*, 120-128.

Nelson III, C. A., & Gabard-Durnam, L. J. (2020). Early adversity and critical periods: neurodevelopmental consequences of violating the expectable environment. *Trends in neurosciences*, *43*(3), 133-143

Gabard-Durnam, L. J., & McLaughlin, K. A. (2019). Do sensitive periods exist for exposure to adversity?. *Biological psychiatry*, *85*(10), 789.

Teaching: Teaching Fellow, Harvard University

Head TF - Statistics for the Behavioral Sciences (Psych 1900), Professor: Patrick Mair, Fall 2021
Certificate of Distinction and Excellence in Teaching from the Bok Center, Spring 2021
Statistics for the Behavioral Sciences (Psych 1900), Professor: Thomas Rusch, Spring 2021
Statistics for the Behavioral Sciences (Psych 1900), Professor: Patrick Mair, Fall 2020

Scientific Journalism Publications: https://www.scientificamerican.com/author/nessa-bryce/

"Magnetic Stimulation May Halt Rumination in Depression" (January 2015). *Scientific American Mind.* Print. *(*Article for Headlines department)

"The Aha! Moment. A step-by-step guide to your next creative breakthrough" (July 2014). *Scientific American Mind*. Print. (Feature Article and Cover story). Republished in special issues: Winter 2015 & Winter 2019

"Creative Spark: Neuroscientist-Turned-Artist Shares His Process" (July 2014). *Scientific American Mind*. Online.

"The early bird makes the moral decision" (March 2014). *Scientific American Mind.* Print. (Article for the Head Lines department)

Clinical Experience:

2019-2021   **Obsessive-Compulsive Disorders Institute** (OCDI), Mclean Hospital, Belmont
  o Coached exposure therapy for OCD and related disorders: 37 hours
  o Co-therapy: 15 hours
  o Assessment (SCID, Y-BOCS, MOCA): 35 hours
  o Perfectionism Group co-lead: 10 hours

2018 – 2019   **Assessment for Clinical Research,** University of Washington, Seattle, WA
- o Kiddie Schedule for Affective and Disorders and Schizophrenia (KSADS) (45 interviews 1.5 hour each)
- o UCLA Life Stress Interview (20 interviews, 2 hours each)
- o VEXAR Violence Exposure Interview (45 interviews 15 min each)

Total intervention hours: 62 hours
Total assessment hours: 149.5 hours
Total clinical hours: 211.5 hours

Beyond Bounds Creative: www.beyondboundscreative.com
Founder; CEO; Creative Director

We are a scientific illustration and graphic design firm working with thought leaders at top institutions to help them develop the visual architecture of their ideas.

Art Exhibits/Publications: www.nessabryce.com/art-work

Aug. 2017   ***Event magazine***. Illustrator for Winter 2017 Issue.
https://www.eventmagazine.ca/contributors-for-event-462/

Nov. 2016   ***It's Only Human: Exploring the Biases that Shape Our World,***
Cambridge, MA (Contributing Artist)
Used art as a medium to explain the science behind our biases.

May 2015   ***Chasing Insight,*** Squamish, BC (Part of graduating thesis project)
Explored the phenomenon of insight and the science behind it through art.

May 2010   ***Play With Your Mind,*** Victoria, BC (IB Graduating Art Showcase)
Used art to challenge viewers' conceptions of the world.