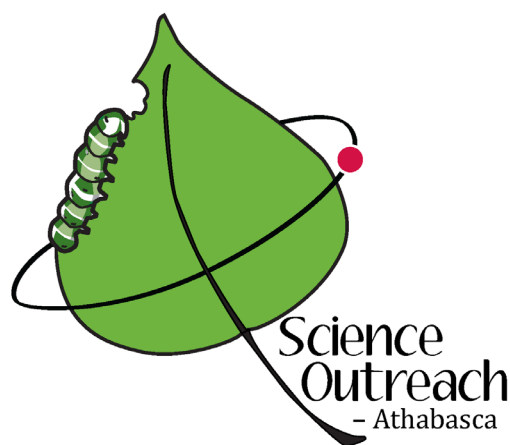
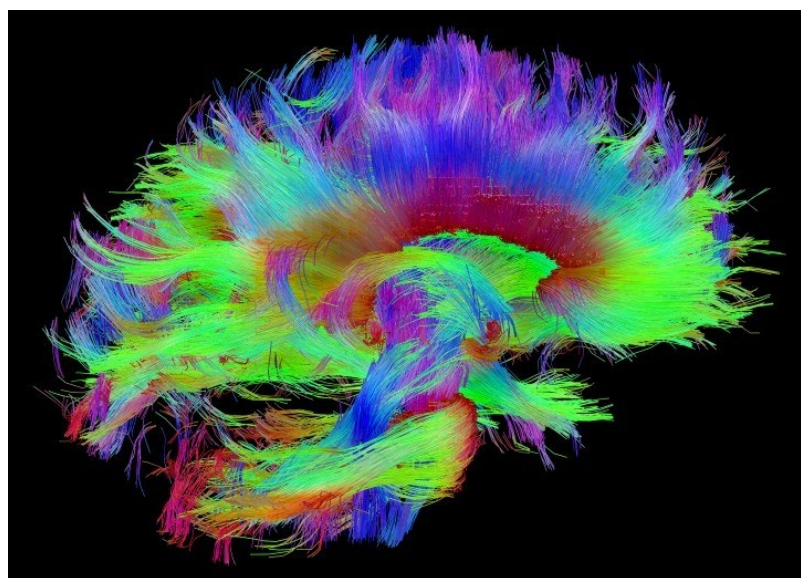
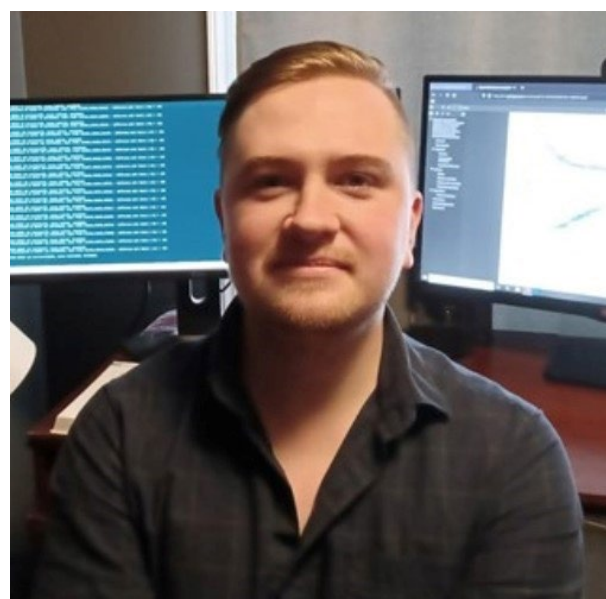




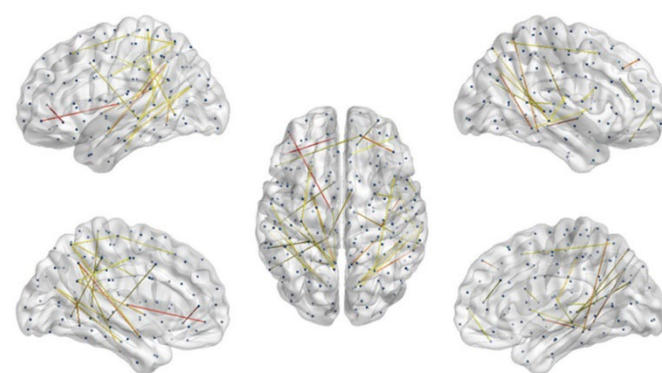
Science Outreach – Athabasca presents... Brain Connectivity Changes Supporting Cognitive Ability with Age

**Speaker: Dr. Josh Neudorf,
Assistant Professor,
Athabasca University
Date: November 5, 2025
Place: Athabasca University
in Room 106, Governing Council
Chambers, 1 University Drive,
Athabasca, Alberta
Time: 7 PM to 8 PM**



Brain changes with older age are often assumed to be negative. However, Prof. Josh Neudorf's research using MRI and computational neuroscience has identified brain connectivity changes unique to older adults that support cognitive ability. These brain networks were identified in the structural connectivity (like wires connecting regions of the brain), the functional connectivity (measures of how well regions work together), and advanced methods for

linking the structure and function. Furthermore, Professor Neudorf has published research outlining the ways in which the older adult brain network responds very differently to missed sleep than younger adult brains. Please join us to learn more about this research on the aging brain by a new Assistant Professor in Psychology at Athabasca University.



Free community event!

This will be an in person and virtual event.

Events may be photographed, recorded and shared.

Please join us in person at Athabasca University or go to our website to join the event virtually on the day of this talk. [Science Outreach - Athabasca website](http://scienceoutreach.ab.ca/)

***** Any changes will be posted on our website. *** Visit: <http://scienceoutreach.ab.ca/>**

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