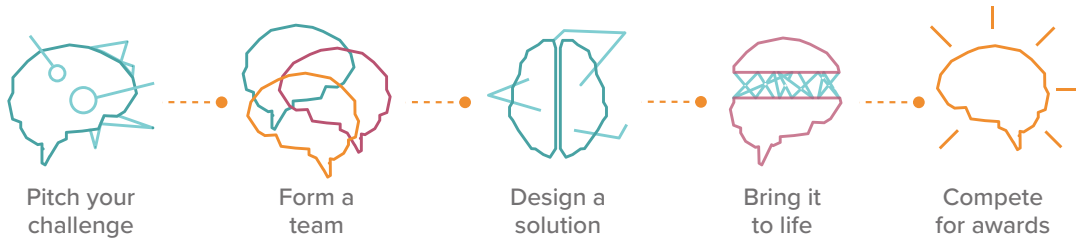
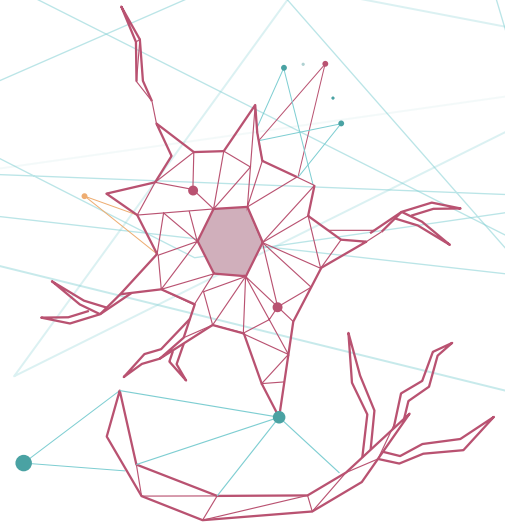




Do you see a gap in the research or care for neurological disorders or mental health?

Neuro Nexus is a virtual hackathon program designed to spark collaboration across disciplines and tackle complex challenges in brain science and mental health. The program connects experts in frontline, clinical, and academic practice with motivated, talented students to develop technological solutions over a fast-paced 6 week competition. This year, Neuro Nexus will facilitate 40+ projects across the province in our largest event yet.



The competition unfolds over three key events, shown above, starting with the 'Pitch Day' and ending with 'Demo Day'. Selected projects will be proposed by their respective challenge champions as short video presentations uploaded online prior to 'Pitch Day' (October 17). Innovators will indicate which projects they are interested in to facilitate team formation on Pitch Day. The team will then work with you for 6 weeks to understand the problem, develop a design, and procure materials. During this time, teams will be paired with mentors from our network of community members based on self-identified gaps in knowledge and/or experience. The 'Health Hack Weekend' (November 27-29) will provide access to resources necessary to develop and test a functional prototype that addresses the problem. Demo Day (November 30) will be a live-streamed event to showcase the projects to the community and public. The most promising solutions will be presented with awards - in the form of both cash and services - to support continued development after the competition.



SUBMIT YOUR CHALLENGE AT [NEURO-NEXUS.CA](https://neuro-nexus.ca) BY SEPTEMBER 19TH OR CONTACT [CHALLENGES@NEURO-NEXUS.CA](mailto:challenges@neuro-nexus.ca) FOR MORE INFORMATION

BRAIN SCIENCE & MENTAL HEALTH

Towards a better understanding of the brain and how to recognize and treat mental health conditions.

SUBMISSION BENEFITS

- Access to 5-7 students in technical or business training programs
- De-risk a project prior to grant application

CHALLENGE TRACKS



ENTREPRENEURIAL

Pursue an idea and develop a novel solution to directly impact brain and mental health practice. These projects may originate from almost any context.



RESEARCH

Projects that seek to accelerate scientific discoveries through tool development or provide improved training for brain and mental health care.



INDUSTRY

Advance or strengthen a product line by addressing challenges relevant to the firm's core technologies. These projects often originate from and stay within the firm, and require intellectual property claims to be kept by the firm.

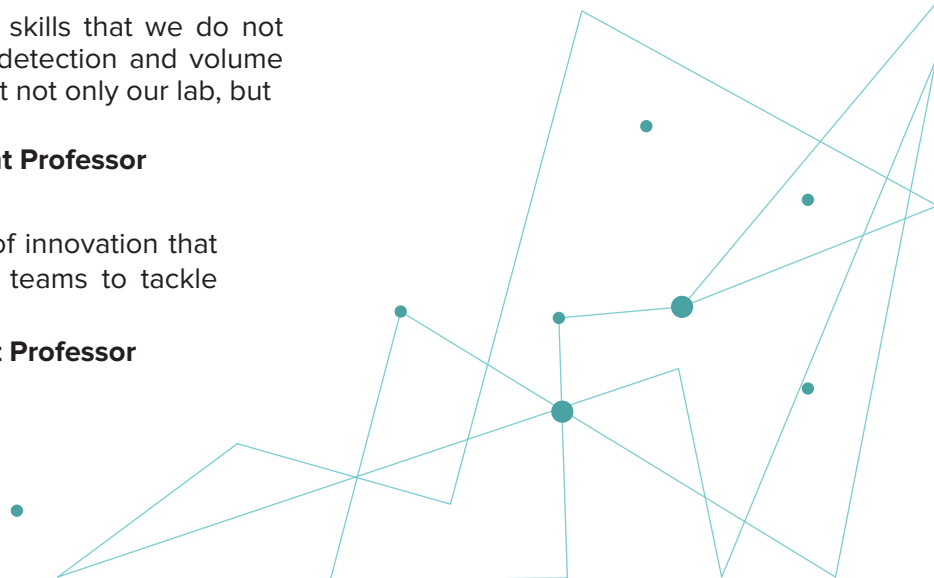
TESTIMONIALS

“ [Our team] brought software engineering skills that we do not have within our lab, to automate motion detection and volume removal in MRI scans... This tool will benefit not only our lab, but other researchers internationally.

Dr. Catherine Lebel, PhD, Assistant Professor

“ [This competition] is a risk-free incubator of innovation that facilitates the building of interdisciplinary teams to tackle complex problems in an expedited fashion.

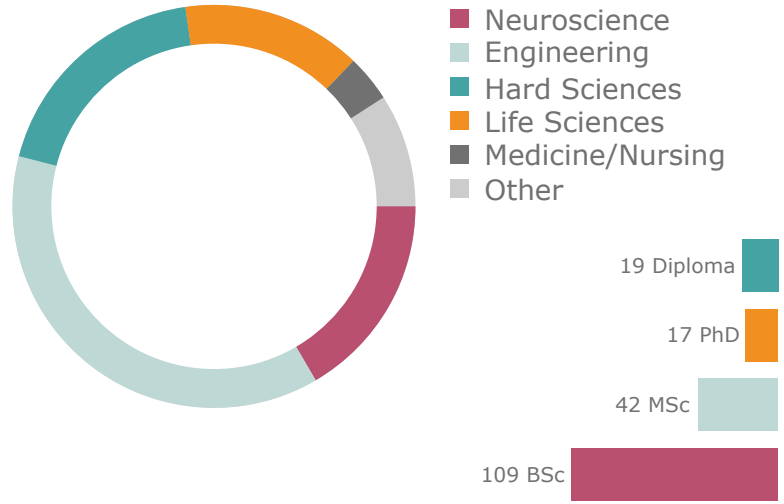
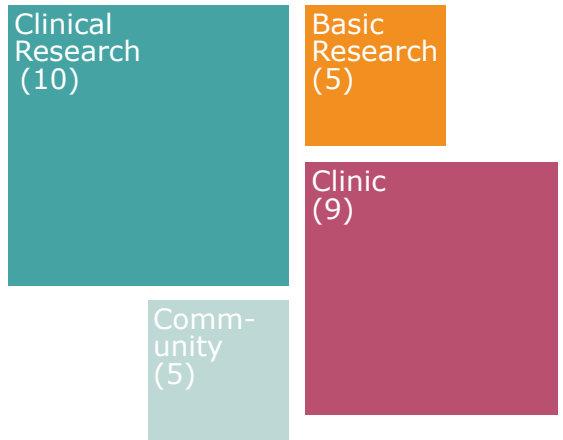
Dr. Chad Bousman, PhD, Assistant Professor



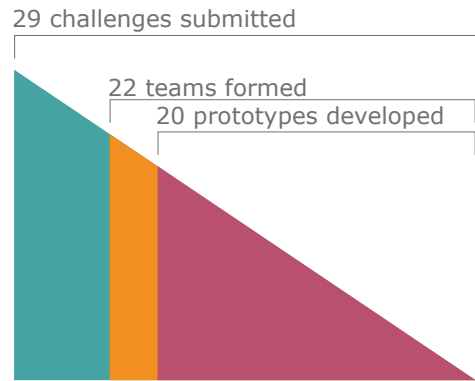
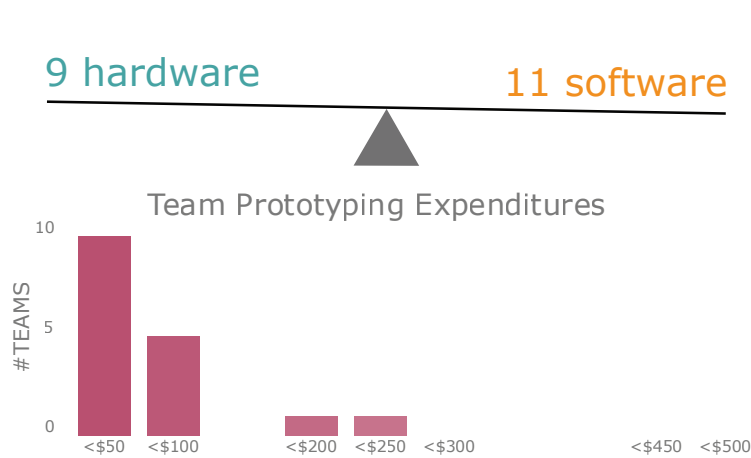
NEURO NEXUS IMPACT

29 CHALLENGES RECEIVED

187 INNOVATOR APPLICATIONS



20 PROTOTYPES DEVELOPED



ROBUST POST-COMPETITION CONTINUITY

PROGRAM OPERATIONS \$ 47.5k

POST-COMPETITION, THIRD-PARTY FUNDING \$ 83.0k

