Lightning Talks Information and Guidelines

Campus Alberta Neuroscience and the Computational Neuroscience Planning Committee are proud to present the *Canadian Symposium for Computational Neuroscience*. Join national experts as they share knowledge, research, and innovations in the field of computational neuroscience. At this symposium we will also host various networking events and a workshop hosted by the Alberta Machine Intelligence Institute (AMII)

You are invited to submit abstracts for Lightning Talk presentations at the *virtual* Symposium taking place October 26-27, 2021. The virtual format will include opportunities to engage with speakers during discussions, networking, and lightning talks.

Please read these guidelines carefully before accessing the submission form.

Important Dates

Written Abstract Submission Deadline:	**Tuesday, September 28 (12:00 PM MDT)**
Notification Date:	**Friday, October 1, 2021**
RSVP Date:	**Tuesday, October 5 2021**
Deadline to Submit Lightning Talk Presentation	**Tuesday, October 19, 2021**

Symposium Themes

Lightning talks should discuss and report on recent discoveries and innovations related to computational neuroscience, including research findings, technologies, and translational tools and services. We welcome submissions within the following themes:

- **Theme 1:** Neural and Network Dynamics Underlying Biological Computation
- **Theme 2:** Dimensionality Reduction and Population Dynamics in Neural Data
- **Theme 3:** Network Neuroscience Across Scales: From Single Cells to Behavior
- **Theme 4:** Information Decoding by Neural Ensembles
- **Theme 5:** Other - this includes an option for other work to be shared that is relevant to computational neuroscience but does not fit within any of the above themes

Process Overview

Lightning Talks will undergo a two step process for selection and presentation. Firstly, written abstracts will be submitted and reviewed by a review committee. If deemed adequate, those successful will receive notice from Campus Alberta Neuroscience and are then required to record and submit a video (maximum 5 min.) presenting their research to be posted on the Campus Alberta Neuroscience YouTube page for viewing for all symposium attendees. These presentations (entitled Lightning Talks) will be judged by a panel of researchers and winners appointed for each level of research (postdoc, PhD, Msc. and Undergraduate).

Written Abstracts

Written abstracts will undergo a peer-review process. The Review Committee will assess each written abstract based on its adherence to format, scientific merit, and alignment with the overall Symposium themes. Written abstracts that are deemed to be unethical, incomplete, or contain insufficient data will not be accepted. All presented work should provide a positive learning experience for all attendees.

Authors of written abstracts selected for Lightning Talk presentation will be contacted via email by **Friday October 1, 2021**. All selected written abstracts will be printed in the program for the symposium for attendees to view.

Format

The written abstracts should follow a structured format, including sections for Introduction/Objective, Design and Methods, Results, and Conclusions. Written abstracts should include relevant background, well-described methods, study results, and a clear statement about the novel findings that will be presented. Please include sufficient detail in your methods and results sections, including number of tested subjects and relevant statistics.

Written abstracts should be formatted to include the following:
- Title – 25 word maximum
- All authors and Affiliations
- Introduction, Methods, Results, Conclusions – 350 words maximum
- Do not include references

Please note:
- Please use standard abbreviations. Place special or unusual abbreviations in parentheses after the full word when it appears for the first time.
- Errors, misspellings and incorrect abbreviations will not be corrected.
- An individual may submit more than one abstract. One official online submission is required for each abstract.
- There is no fee to submit abstract(s).

Written abstracts must be submitted electronically using the official online submission form only found on the event webpage

Presentation at the Symposium

Lightning Talks: Due to the virtual format of the 2021 Symposium, presentations will be given through short pre-recorded videos (maximum 5 minutes) instead of traditional poster presentations. Details regarding video formats and guidelines will be available with notification of acceptance. Videos will be

made available to Symposium attendees for viewing at least one day prior to the event and throughout the duration of the Symposium.

Symposium Information

Registration Details
Online all access tickets $100 (closes October 25)

Please click here to register for the symposium and visit our webpage for more event information.

Copyright Permission

By submitting your work to the Symposium, submitters authorize, upon acceptance, the permission to reproduce their written abstract in the Symposium program and on the Symposium website.

For More Information

If you have any questions or concerns about the symposium feel free to contact us at:
albertaneuro@ucalgary.ca