“Science is a perception of the world around us. Science is a place where what you find in nature pleases you.”

Subrahmanyan Chandrasekhar (1910 – 1995) was an Indian-American astrophysicist.
Videos

Outreach & Training corner

- Genevieve’s video highlighting the amazing work she does for us is now online!
  Click [here](#) to watch it on Linkedin.
  Click [here](#) to watch it on Instagram.

- Below are the links to watch Carol & Taylor’s video on their incredible job generating high quality iPSC lines.
  Click [here](#) to watch it on Linkedin.
  Click [here](#) to watch it on Instagram.

Publications

Click on the link below to read our latest publications

Published

**GBA cells lines to study Parkinson’s disease:** Generation of patient-derived pluripotent stem cell-lines and CRISPR modified isogenic controls with mutations in the Parkinson’s associated GBA gene

**Toxicity of alpha-synuclein:** Stress-inducible phosphoprotein1 (HOP/STI1/STIP1) regulates the accumulation and toxicity of alpha-synuclein in vivo

Preprints

Generation and characterization of MN spheroids: An optimized workflow to generate and characterize iPSC-derived motor neuron (MN) spheroids
What’s New – Events

NOVEMBER

● iPSC Seminar:

    Thursday, November 24th, 2022, 4 pm at de Grandpré

    With a virtual option

    Speakers:

    Thulaj Meharwade (iRCM)
    Ida Derish (MUHC)

    Click here to register.

What’s New – Cell lines

● Our group generated CRISPR KO cell lines of VAPB gene in HeLa cells.

    VAPB (VAMP Associated Protein B And C) is involved in Amyotrophic Lateral Sclerosis (ALS) and Spinal Muscular Atrophy. VAPB participates in the endoplasmic reticulum unfolded protein response (UPR) by inducing ERN1/IRE1 activity and it is also involved in cellular calcium homeostasis regulation.

    Antibody validation was done in collaboration with the McPherson’s lab.

1. Gene cards website

What’s New – Grants & Awards

CFI announcement

We were awarded funding from the Canada Foundation for Innovation’s John R. Evans Leaders Fund (CFI JELF) with matching funds from the Quebec government that will allow us to develop an “Automated 3D brain organoid imaging platform” for discovery and translational activities.

Congrats to everyone involved!

Click here to learn more.
Connect with us!

- Instagram
- LinkedIn
- Website
- Data portal

NATIONAL PAIN AWARENESS WEEK - NOVEMBER 6 TO 12
To learn more go to:
https://www.paincanada.ca/

WOMEN’S BRAIN HEALTH DAY - DECEMBER 2
To learn more go to:
https://womensbrainhealth.org/

Happy Holidays!
Next issue will come in February!

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