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NEWS

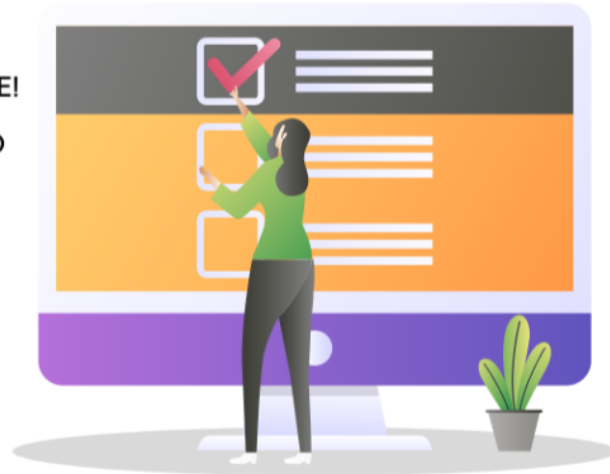
Add our Google calendar [here](#) to stay up to date with all our events!



Survey: Career week

CAREER WEEK 2024 IS FAST
APPROACHING (MARCH 2024)
AND WE ARE IN PLANNING MODE!

PLEASE FILL IN THIS SURVEY TO
HELP US DESIGN ENRICHING
EVENTS FOR YOU!



Career week is coming up quickly in March 2024 and we need your help in planning! We want to hear from students to better understand what students want to learn at Career week to make the event more enriching.

If you could please take a few minutes to fill out [this quick survey](#) about what you would like to see at Career Week!

Join ThinkSci!

At its core, ThinkSci is a hub of individuals passionate about **learning, teaching, and advocacy in STEM**. Our Ottawa Chapter has 2 domains:



Outreach Mentors

Become a mentor and work directly with youth in the community!



What we look for when recruiting Outreach Mentors:

- Interest in neurophysiology
- Passion for equitable access in STEM
- Readiness to implement innovative and cutting-edge pedagogical approaches
- Experience/applicable skills in leadership, mentorship (ex. tutoring, coaching, teaching, etc)

Time Commitment

- one 2-3 hour in-person onboarding session
- 1-2 x 1.5 hour Workshop at a high school in Ottawa (**February 2024**)

Creative Educators

Work with the ThinkSci team of Creative Educators across Montreal and Ottawa to design workshops!



What we look for when recruiting Creative Educators:


- Some experience in neuroscience/physiology
- Experience/applicable skills in leadership, mentorship (ex. tutoring, coaching, teaching, etc)
- Experience/applicable skills in teaching (ex. hypothesis, data collection, analysis, etc)
- An interest in pedagogy and gamification as well as a creative mind to design the best workshops in neurophysiology!

Time Commitment

- one 2-3 hour in-person onboarding session
- 1 hour bi-weekly meetings

Apply here!



Want to know more? Check out [@thinkscioutreach](#) 
Questions? Email: thinkscioutreachprogram@gmail.com

The ThinkSci Outreach Program is officially [recruiting](#) for our Ottawa team for the 2023-24 academic school year!

Be sure to follow us [@thinkscioutreach](#) on instagram to see more info on recruitment and to keep up with any ThinkSci updates! Please feel free to DM us on instagram [@thinkscioutreach](#) or [@sfn.ottawa](#) or send us an email at thinkscioutreachprogram@gmail.com with any questions or comments!



Inspirational Biweekly Quote

"Any new beginning is forged from the shards of the past, not from the abandonment of the past." -Craig D. Lounsbrough

DEPARTMENT PUBLICATIONS

[Microplastics exposure: implications for human fertility, pregnancy and child health.](#)

Zurub RE, Cariaco Y, Wade MG, Bainbridge SA.

[NLRC5 overexpression in ovarian tumors remodels the tumor microenvironment and increases T-cell reactivity toward autologous tumor-associated antigens.](#)

Rodriguez GM, Yakubovich E, Murshed H, Maranda V, Galpin KJC, Cudmore A, Hanna AMR, Macdonald E, Ramesh S, Garson K, Vanderhyden BC.

[Immunomodulation by xylan and carrageenan-type polysaccharides from red seaweeds: Anti-inflammatory, wound healing, cytoprotective, and anticoagulant activities.](#)

Premarathna AD, Ahmed TAE, Rjabovs V, Hammami R, Critchley AT, Tuvikene R, Hincke MT. [The regulation of plasma gelsolin by DNA methylation in ovarian cancer chemo-resistance.](#)

Manzoor HB, Asare-Werehene M, Pereira SD, Satyamoorthy K, Tsang BK.

[A century of exercise physiology: effects of muscle contraction and exercise on skeletal muscle Na⁺, K⁺-ATPase, Na⁺ and K⁺ ions, and on plasma K⁺ concentration-historical developments.](#)

McKenna MJ, Renaud JM, Ørtenblad N, Overgaard K.

[Longitudinal Brain Perfusion and Symptom Presentation Following Pediatric Concussion: A PedCARE+MRI Substudy.](#)

Sicard V, Fang Z, Kardish R, Healey K, Smith AM, Reid S, Cron GO, Melkus G, Abdeen N, Yeates KO, Goldfield G, Reed N, Zemek R, Ledoux AA.

[Sox10-Deficient Drug-Resistant Melanoma Cells Are Refractory to Oncolytic RNA Viruses.](#)

Abou-Hamad J, Hodgins JJ, Yakubovich E, Vanderhyden BC, Ardolino M, Sabourin LA.

[FGL2 promotes tumour growth and attenuates infiltration of activated immune cells in melanoma and](#)

[ovarian cancer models.](#)

Galpin KJC, Rodriguez GM, Maranda V, Cook DP, Macdonald E, Murshed H, Zhao S, McCloskey CW, Chruscinski A, Levy GA, Ardolino M, Vanderhyden BC.

[Screening for hypertension in adults: protocol for evidence reviews to inform a Canadian Task Force on Preventive Health Care guideline update.](#)

Shaver N, Beck A, Bennett A, Wilson BJ, Garritty C, Subnath M, Grad R, Persaud N, Thériault G, Flemming J, Thombs BD, LeBlanc J, Kaczorowski J, Liu P, Clark CE, Traversy G, Graham E, Feber J, Leenen FHH, Premji K, Pap R, Skidmore B, Brouwers M, Moher D, Little J.

[Dendritic excitability controls overdispersion.](#)

Friedenberger Z, Naud R.

[Cross-sectional analysis reveals COVID-19 pandemic community lockdown was linked to dysregulated cortisol and salivary alpha amylase in children.](#)

Lloyd KM, Gabard-Durnam L, Beaudry K, De Lizio M, Raine LB, Bernard-Willis Y, Watrous JNH, Whitfield-Gabrieli S, Kramer AF, Hillman CH.

[Inactivation of the NLRP3 inflammasome mediates exosome-based prevention of atrial fibrillation.](#)

Parent S, Vaka R, St Amant J, Kahn S, Van Remortel S, Bi C, Courtman D, Stewart DJ, Davis DR.

[Sex-Specific Acute Cerebrovascular Responses to Photothrombotic Stroke in Mice.](#)

Raman-Nair J, Cron G, MacLeod K, Lacoste B.

[Misfolding of fukutin-related protein \(FKRP\) variants in congenital and limb girdle muscular dystrophies.](#)

Esapa CT, McIlhinney RAJ, Waite AJ, Benson MA, Mirzayan J, Piko H, Herczegfalvi Á, Horvath R, Karcagi V, Walter MC, Lochmüller H, Rizkallah PJ, Lu QL, Blake DJ.

[Feeling out of synchrony: Investigating the vulnerability of self in subclinical realms.](#)

Scalabrini A, De Amicis M, Brugnera A, Cavicchioli M, Çatal Y, Keskin K, Pilar JG, Zhang J, Osipova B, Compare A, Greco A, Benedetti F, Mucci C, Northoff G.

[Mechanisms of Post-Stroke Fatigue: A Follow-Up From the Third Stroke Recovery and Rehabilitation Roundtable.](#)

Kuppuswamy A, Billinger S, Coupland KG, English C, Kutlubaev MA, Moseley L, Pittman QJ, Simpson DB, Sutherland BA, Wong C, Corbett D.

[Bone mineral density, vitamin D and osseous metabolism indices in neurofibromatosis type 1: A systematic review and meta-analysis.](#)

Kaspiris A, Vasiliadis E, Iliopoulos ID, Panagopoulos F, Melissaridou D, Lianou I, Ntourantonis D, Savvidou OD, Papadimitriou E, Pneumaticos SG.

[Association of SARS-CoV-2 infection with neurological impairments in pediatric population: A systematic review.](#)

Kwan ATH, Al-Kassimi K, Portnoff JS, Singh G, Hanafimosalman M, Tesla M, Gharibi N, Ni T, Guo Z, Sonfack DJN, Martyniuk J, Arfaie S, Mashayekhi MS, Mofatteh M, Jeremian R, Ho K, Moscote-Salazar LR, Lee Á, Jawad MY, Ceban F, Teopiz KM, Mansur RB, Ho R, Rosenblat JD, Cao B, Rhee TG, McIntyre RS.

[Metabolomics to Understand Alterations Induced by Physical Activity during Pregnancy.](#)

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[Prehospital Freeze-Dried Plasma in Trauma: A Critical Review.](#)

Sheffield WP, Singh K, Beckett A, Devine DV.

[Molecular mechanisms of cellular dysfunction in testes from men with non-obstructive azoospermia.](#)

Piechka A, Sparanese S, Witherspoon L, Hach F, Flannigan R.

[People with knee OA and flexion contracture developed localized tibial articular cartilage loss: data from the osteoarthritis initiative.](#)

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[Global Burden of Cardiovascular Diseases and Risks, 1990-2022.](#)

Mensah GA, Fuster V, Murray CJL, Roth GA; Global Burden of Cardiovascular Diseases and Risks Collaborators.

[Stress-related cellular pathophysiology as a crosstalk risk factor for neurocognitive and psychiatric disorders.](#)

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[Mesenchymal ovarian cancer cells promote CD8⁺ T cell exhaustion through the LGALS3-LAG3 axis.](#)

Yakubovich E, Cook DP, Rodriguez GM, Vanderhyden BC.

[Label-free microfluidic chip for segregation and recovery of circulating leukemia cells: clinical applications in acute myeloid leukemia.](#)

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[Methylmalonic aciduria as a biochemical marker for mitochondrial DNA depletion syndrome in patients with developmental delay and movement disorders: a case series.](#)

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[Long term peripheral AAV9-SMN gene therapy promotes survival in a mouse model of spinal muscular atrophy.](#)

Reilly A, Yaworski R, Beauvais A, Schneider BL, Kothary R.
[Connecting levels of analysis in the computational era.](#)

Naud R, Longtin A.
[Precision Isolation of Circulating Leukemia Cells in Chronic Myelogenous Leukemia Patients Using a Novel Microfluidic Device and Its Clinical Applications.](#)

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[Unveiling the Immunogenicity of Ovarian Tumors as the Crucial Catalyst for Therapeutic Success.](#)

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[Optimization of base editors for the functional correction of SMN2 as a treatment for spinal muscular atrophy.](#)

Alves CRR, Ha LL, Yaworski R, Sutton ER, Lazzarotto CR, Christie KA, Reilly A, Beauvais A, Doll RM, de la Cruz D, Maguire CA, Swoboda KJ, Tsai SQ, Kothary R, Kleinstiver BP.
[Sex-dependent effects of Canagliflozin on kidney protection in mice with combined hypertension-type 1 diabetes.](#)

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[A clinically relevant large-scale biomanufacturing workflow to produce natural killer cells and natural killer cell-derived extracellular vesicles for cancer immunotherapy.](#)

St-Denis-Bissonnette F, Cummings SE, Qiu S, Stalker A, Muradia G, Mehic J, Mediratta K, Kaczmarek S, Burger D, Lee SH, Wang L, Lavoie JR. [The ups and downs of bone-marrow adipose tissue in space.](#)

Trudel G, Melkus G, Liu T.

Free/discounted software available to you from uOttawa!
[List of software](#), [CMM library guide](#), [Microsoft office 365](#)

Contributors:

Caroline Part
Alex Brown
Aisha Saleh
Cameron Gibson
Michaela Lunn
Stephanie Lofaro

Graduate Studies Office, Faculty of
Medicine, uOttawa

**Next CMM / NSC council
meeting:**

Jan 29th 2024 at 1-2PM

Attend via [this link](#)

