

## News

Attn: ALL Associates - Thank you to all those who have completed the application form! This allows us to formally track and report on members' association with BEEc over time. If you have not yet done so, please click on the image to complete the online form prior to the **Feb 28<sup>th</sup> deadline**.



BEEc - Bee Ecology, Evolution and Conservation

**Associates Application**

The Centre for Bee Ecology, Evolution and Conservation (BEEc) is a network of interdisciplinary researchers with the purpose of pushing the limits in bee research, education, public outreach, and policy. Ultimately, our goal is to apply our collaborative efforts to the development of policies and environmental management for the long-term sustainability of bees and the vital ecosystem services they provide. We are excited that you are interested in joining us, please see the membership options below. If you feel that you do not fit within one of these categories, please contact us to find out other ways to get involved. \* required item

**Personal Information**

**Contact Information \***

Name \_\_\_\_\_ Title \_\_\_\_\_ Department/Organization \_\_\_\_\_



Weston Family  
Foundation

Sandra Rehan has been busy! On January 23, she was elected Fellow of the [Linnean Society of London](#) in recognition of her work leading contributions to natural history research including taxonomy, evolutionary biology, & ecology. She has also received a \$45k Mitacs Accelerate grant in partnership with the [Weston Family Foundation Microbiome Initiative](#) to support her work on wild bee microbiomes! This support is a three-year commitment – *Congratulations Sandra & the Rehan lab!!*

## Project & Associate Feature



Sarah MacKell - Graduate Associate & Lead Biologist, [Native Pollinator Initiative, Wildlife Preservation Canada](#)

"I am an ecologist and conservation biologist whose focus is on pollinator conservation within Canada. I am currently wrapping up my MSc in Dr. Sheila Colla's lab at York University, where my main project investigated whether urban honey bee hives negatively impact wild bees. I also recently started working at **Wildlife Preservation Canada (WPC)** as the Lead Biologist

for their Native Pollinator Initiative (NPI). NPI is a multi-faceted program, which combines expert research, annual large-scale population monitoring, conservation breeding, and community science to conserve pollinator populations. WPC collaborates with BEEc on priority research projects to conserve pollinators, especially bumble bees, and WPC often co-supervises graduate student projects with BEEc researchers."

## EVENTS

February 22 – YorkU's [Dept. of Biology Seminar Series](#) "From Cells to Societies: Interorgan Communication and the Developmental Evolution of Complex Phenotypes in Ants?" with Dr. Rajendhran Rajakuman

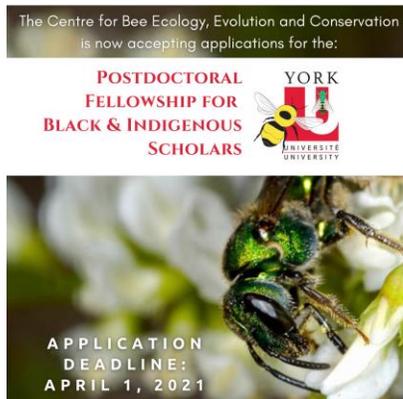
February 23 - MIIJIM: Gardens as Art as Relations (online registration, click below)



March 26 – [BEEc Speaker Series](#) featuring Spencer Monckton (more details to come...)

## Opportunities

Reminder: Nominations are now being accepted for [NSERC](#)'s Herzberg (for sustained excellence), Brockhouse (for interdisciplinary teams), Polanyi (for a recent outstanding advance) and Strickland (for societal impact) prizes. The nomination deadline for all four prizes is **April 1, 2021**.



YorkU has just announced a new [Provost's Postdoctoral Fellowship Program for Black and Indigenous Scholars](#) – this is a 24-month position at \$70,000/year for those who have completed their PhD within the past five years. Application deadline for this opportunity is **April 1, 2021**.

[The Rehan Lab](#) is hiring a **postdoc** to study landscape genomics and microbial ecology of wild bees.

**Grad Student positions** are available in a variety of research areas at YorkU, including systematics, conservation genomics, biogeography, disease modelling and more! More information can now be found on our [Future Grad Students](#) page - please forward this opportunity to anyone you think may be interested.

## New Publications

Ayers, A. C., & Rehan, S. M. (2021). Supporting bees in cities: How bees are influenced by local and landscape features. *Insects*, 12(2), 128. <https://doi.org/10.3390/insects12020128>

- *Anthony Ayers is a new graduate student in Biology from the Rehan lab and this invited review is the introduction for his thesis. Very exciting as this is his **first** publication! Congratulations, Anthony!!*

Kelemen, E. P., & Rehan, S. M. (2021). Opposing pressures of climate and land-use change on a native bee. *Global Change Biology*, 27(5), 1017–1026.

<https://doi.org/10.1111/gcb.15468> (also featured with the cover image, see right)

- *Evan Kelemen is an NSF postdoc fellow in the Rehan lab and led this study to examine 120 years of wild bee responses to land use and climate change across eastern North America.*

Toth, A. L., & Zayed, A. (2021). The honey bee genome—What has it been good for? *Apidologie*. <https://doi.org/10.1007/s13592-020-00829-3>



*BEEc monthly newsletter is compiled and distributed to affiliated associates and members of York University's Centre for Bee Ecology, Evolution and Conservation.*

*To have your upcoming news or event included, please email [daviesca@yorku.ca](mailto:daviesca@yorku.ca)*