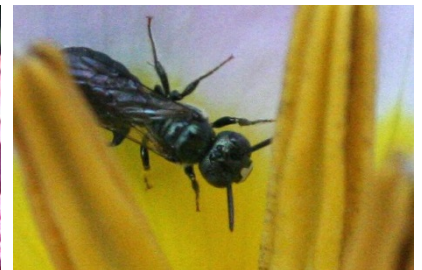




**BeeCon3 2014**

**Friday, August 29<sup>th</sup>, 2014**

**Southern Ontario Bee Researchers Symposium**



Welcome to the third Southern Ontario Bee Researchers Symposium! The event, dubbed BeeCon by its organizers and hosted this year at York University, is free and provides an opportunity for local melittologists and students in particular to network. Presentations will cover a wide range of bee-related topics, with many of this year's talks focussing on bee behaviour and conservation.

This year's BeeCon was organized by:

Thomas Onuferko – York University  
Dr. Laurence Packer – York University  
Dr. Amro Zayed – York University

With the help of:

Brock Harpur – York University  
Dr. Sheila Colla – Wildlife Preservation Canada  
Jakov Musafija – York University

Our aim is to make BeeCon an annual event, hosted at campuses around Ontario by graduate students. Anyone interested in organizing BeeCon4 should contact this year's organizers.

Sponsors:



Helen McLellan, Executive Officer, Office of the Dean, Faculty of Science

Funding was provided by:

The Office of the Vice President, Research & Innovation (VPRI)  
The Faculty of Science at York University  
Dr. Laurence Packer – York University  
Dr. Amro Zayed – York University  
Dr. Sheila Colla – Wildlife Preservation Canada



## Complete program

9:30	9:45	<b>Welcome and coffee – TEL Building 0007</b>	
		<b>Presenter* and additional authors</b>	<b>Title</b>
9:45	10:00	Nigel E. Raine*, Richard J. Gill, and Dara A. Stanley	The impacts of pesticides on bumblebees: from individual behaviour to colony function
10:00	10:15	Sheila R. Colla* and Victoria MacPhail	Conserving the buzz: Updates on a policy and ENGO approach to at-risk pollinator conservation
10:15	10:30	Nadejda Tsvetkov*, Keshna Sood, Harshilkumar Patel, Philip Maciukiewicz, and Amro Zayed	Pesticide effects on honeybee behaviour
10:30	10:45	Jen Albert*, Scott MacIvor, and Laurence Packer	Inbreeding in cavity-nesting megachilids
10:45	11:00	Laurence Packer	Barcoding the bees of the world – Progress and prognosis
<b>11:00</b>	<b>11:30</b>	<b>Coffee break</b>	
11:30	11:45	Scott MacIvor	Detection probabilities of native and exotic bees in an urban landscape
11:45	12:00	Keshna Sood*, Nadejda Tsvetkov, and Amro Zayed	The impact of neonicotinoids on spatial learning and memory on <i>Apis mellifera</i>
12:00	12:15	Harshilkumar Patel*, Nadejda Tsvetkov, Keshna Sood, and Phillip Maciukiewicz	Effects of neonicotinoids on social and innate immunity in the honeybee
12:15	12:30	Thomas M. Onuferko	Resolving a conflict between molecular and morphological data: The systematic position of <i>Coelioxoides</i>
<b>12:30</b>	<b>14:00</b>	<b>Lunch and an optional tour of the York bee collection (345 Lumbers Building)</b>	
<b>14:00</b>	<b>14:30</b>	<b>Plenary speaker: Sophie Cardinal</b>	
14:30	14:45	Miriam Richards*, Andreea Botezatu, Jess Vickruck, and Gary Pickering	Evolution of buzz pollination in bees
14:45	15:00	Amro Zayed	Do eastern carpenter bees use cuticular hydrocarbons to recognize nest-mates?
<b>15:00</b>	<b>15:30</b>	<b>Coffee break</b>	
15:30	15:45	David Awde	What can population genomics tell us about the evolution of sociality in insects?
15:45	16:00	Lior Krimus*, Phillip Maciukiewicz, Vijay Sandhu, Brock A. Harpur, and Amro Zayed	Foraging and vitellogenin gene expression patterns in eusocial sweat bees using qRT-PCR
16:00	16:15	James Postlethwaite	The Canadian Honey Bee Genome Survey
16:15	16:30	Vern Lewis	Biogeography of Chilean bees in the Atacama Desert: with a focus on the boundary between summer and winter rainfall regions
16:30	16:45	Brock A. Harpur* and Amro Zayed	Extended parental care in a twig nesting carpenter bee
16:45	17:00	Spencer K. Monckton	Bottom-up identification of convergent evolution in <i>Apis mellifera</i>
17:00	17:15	Sandra Rehan	<i>Chilicola (Heteroediscelis)</i> : A revised group of Chilean bees
			Historical biogeography predicts social complexity in the small carpenter bees

**An evening reception will be held at Dr. Sheila Colla's house at 6 pm (Walking distance from Woodbine & Main TTC and the Danforth Go Stations, address TBA)**