

Irish Pollinator Research Network Virtual Meeting

20th January 2021

The objective of this event is not to present very formal conference type talks of published work, but to share what we are doing as a research community, to facilitate collaboration and discussion for mutual benefit. The format is up to the speaker and does not necessarily have to include PowerPoint. During the day speakers will be given ten minute to present which will be followed by ten minutes of discussion where speakers can gain insights from the audience and where everyone can discuss ideas that have come up during the talks or that are building up through multiple talks.

Opening

9:45 – 9:55 Meeting opening – opportunity to say hello and chat.

9:55 – 10:00 Introduction

Session 1 – Chaired by Stephanie Maher

10:00 - 10:10 **Sarah MacQueen** **Using heat exchange to model of the impacts of climate change and pesticide use on crop pollination by bees.**

10:10 - 10:20 Discussion

10:20 - 10:30 **Jordan Chetcuti** **Lost in the colony: imperfectly modelling bumblebees**

10:30 - 10:40 Discussion

10:40 - 10:50 **Cian White** **Patterns and predictions of interaction turnover: an anthropogenic gradient structures both network dissimilarity and the drivers of interaction turnover, yet is a poor predictor of interaction turnover.**

10:50 - 11:00 Discussion

11:00 - 11:10 **Tara Dirilgen** **From Roots to Pollinators: How above- and below-ground organisms interact through plants**

11:10 - 11:20 Discussion

11:20 – 11:35 Break

Session 2 – Chaired by Jordan Chetcuti

11:35 - 11:45 **Rachel Hester** **A proteomic analysis of the buff-tailed bumblebee (*Bombus terrestris*) fat body - an immune perspective.**

11:45 - 11:55 Discussion

11:55 - 12:05 **Sarah Larragy** **Genomic signatures of selection in Irish *Bombus terrestris***

12:05 - 12:15 Discussion

12:15 - 12:25 **Mathavan Vickneswaran** **Developing Tools for Pesticide Detection and Toxicity Testing in Agricultural Soil**

12:25 - 12:35 Discussion

12:35 - 12:45 **Elena Zioga** **Characterizing pesticide residues in floral resources for bees'.**

12:45 - 12:55 Discussion

12:55 - 13:30 Lunch

Session 3 – Chaired by Stephanie Maher

13:30 - 13:40	Merissa Cullen	Comparison of active ingredient and commercial formulated glyphosate on the brain and digestive tract of the bumblebee <i>Bombus terrestris</i>
13:40 - 13:50		Discussion
13:50 - 14:00	Linzi Thompson	Fungicides and Herbicides: Do they effect Bee Behavior?
14:00 - 14:10		Discussion
14:10 - 14:20	Alison O'Reilly	The effects of pesticides on bee behaviour and delivery of pollination services
14:20 - 14:30		Discussion
14:30 - 14:40	One slide	General discussion around one slide, presented by colleague of Arrian Karbassioon

14:40 - 14:55 Break

Session 4 – Chaired by Jordan Chetcuti

14:55 - 15:05	Christine Coppinger	The role of pollinators in supporting rural livelihoods and habitats in central Africa
15:05 - 15:15		Discussion
15:15 - 15:25	Irene Bottero	Role of the field margins on pollinator communities, in grass-based landscapes
15:25 - 15:35		Discussion
15:35 - 15:45	Katie Burns	Communities and pollination efficiency of floral visitors in Irish apples: Getting to the core of the matter
15:45 - 15:55		Discussion
15:55 - 16:05	Saorla Kavanagh	Protecting Farmland Pollinators
16:05 - 16:15		Discussion

Close

16:15 - 16:20 Farewell