

PhD opportunity in honey bee health

Protecting Irish bees through field trials and genomics-informed strategies

EU and DAFM funded PhD position at the School of Biology and Environmental Sciences (SBES), University College Dublin (UCD) – Dublin, Ireland

Research area: combating honey bee colony invaders

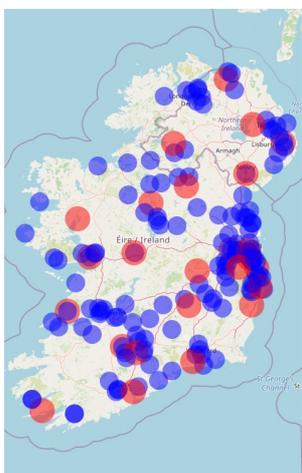
Honey bees are ecologically and economically important pollinators across the globe, however they face a myriad of different stressors, including pathogens.

The PhD candidate will explore alternative control methods and the incidence of pathogens that are of serious concern for honey bee health. The research will include conducting field trials of alternative control methods for the *Varroa* mite as well as tests of co-infection of emerging pathogens. The research will also investigate the incidence of American Foul Brood and European Foul Brood across Ireland, and the factors that lead to clinical infections.



Application and Qualifications

- Minimum educational background: BSc (2.1 or above, or equivalent), or MSc degree within pollinator, environmental or pathogen sciences, or related discipline.
- Desirable experience: honey bee biology and beekeeping, DNA and RNA extraction and PCR, and data analysis using R. Holding a driving licence is also desirable for completing field work.
- The successful candidate should be enthusiastic, self-motivated, self-critical, and willing to learn.
- To apply please send a single PDF incl. a brief CV, 1 page letter of motivation (research interests and goals), and contact details of two referees to julia.jones@ucd.ie. Please submit by **March 11th, 2024** for full consideration.



Worker bee screen for *Varroa* in Ireland

Pursuing a PhD at UCD

- Includes a tax-free stipend of €25,000 per year (funded by the EU and DAFM) and tuition fee coverage.
- SBES expects the PhD candidate to demonstrate each year for practical classes, remunerated at an hourly rate.
- UCD is committed to creating an environment where diversity is celebrated and everyone is treated fairly – come and join the team!
- UCD is ranked in the top 1% of higher education institutions worldwide.
- The large city campus include lakes, woodland walks, and wildlife.
- Information for international applicants (visa requirements) is available.