Dear all,

I am currently seeking candidates for two PhD positions this year:

1) How does the reproductive mode and population history affect the fitness of an introduced plant species?
This project will analyse genome data from UK populations of Mimulus guttatus (yellow monkeyflower) and compare them to US populations, to determine how the deleterious mutation load is affected by variation in mating-system and population demography. Funding is available for both UK and international students.

2) New methods for detecting and quantifying genetic adaptation.
This project will develop new methods for classifying selective sweeps, especially in species that reproduce uniparentally to some degree, and apply them to genome data to determine the how adaptation proceeds in species with different reproductive modes. This PhD project is open to applicants who hold external funding or wish to apply for it (e.g., Darwin Trust funding that is open to non-UK residents).

More information is available on my webpage. The expected start date for both projects is October 2022.

Please direct interested candidates to me, and thank you for spreading the word!

With best regards,

Matthew Hartfield

--
Matthew Hartfield
Room G65
Institute of Evolutionary Biology
The University of Edinburgh
Ashworth Laboratories
Charlotte Auerbach Road
Edinburgh EH9 3FL, UK

Tel: +44 (0)131 650 8683
Email: m.hartfield@ed.ac.uk
Web: http://matthartfield.wordpress.com

The University of Edinburgh is a charitable body, registered in Scotland, with registration number SC005336. Is e buidheann carthannais a th’ ann an Oilthigh Dhùn Èideann, clàraichte an Alba, àireamh clàraidh SC005336.