



University of British Columbia
Faculty of Forestry / Faculty of Land & Food Systems
Indigenous Ecology Lab

Ecological Benefits of Introducing Indigenous Food Systems as Hedgerows on Agrarian Farms

PhD Research Opportunity

We are seeking a highly motivated PhD student who will work in the Indigenous Ecology Lab in the Faculty of Forestry and Faculty of Land & Food Systems to plan and integrate Indigenous food systems as hedgerows on agrarian farms to study how to successfully establish these and measure their ecological impacts over time (soils, plant communities, soil microbial ecology, pollinators). This work will be completed at UBC Farm, and possibly other farm sites such as at nearby KPU.

The student will use a variety of in-situ and lab-based ecological measurement tools to compare and evaluate plant community establishment, plant health, and potential ecological and climate resiliency benefits to the farm(s). This information will be used to create resources that facilitate the bridging of food systems (Indigenous and agrarian) to improve farm biodiversity, crop diversity, and climate resiliency.

Eligible Candidates:

- Have a suitable undergraduate and Master's degree in Agricultural Sciences, Plant Sciences, Ethnobotany/Ethnobiology, Ecology, Forestry, Conservation, Environmental Science, or other if appropriate. All nationalities are encouraged to apply.
- Have an interest in working in an interdisciplinary research team context
- Have an interest in working with Indigenous knowledge keepers
- Motivated to contribute to ecological and food systems reconciliation
- Meet UBC graduate entry requirements and
- Have a demonstrated interest / training in ecology, plants, soils, soil microbial ecology, food systems.
- Have demonstrated experience completing statistical analyses using R
- An ability to communicate well in public settings.
- An ability to write to a high standard is also required.

A four-year stipend is available at CAD \$24,000 per year. Start date is flexible.

For more information, please contact Jennifer Grenz (email only):

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