

Position Description:

A research scientist with significant expertise and experience is sought to develop and lead a research program in the field of plant reproduction biology using genomics, proteomics, bioinformatics, and transgenic technologies to develop long term reproductive strategies to improve and ensure Canadian crop productivity.

The successful candidate will have the opportunity to work in close collaboration with a multidisciplinary group of scientists working on molecular biology, crop physiology, agronomy, pollinator biology, ecology, evolution, taxonomy, and bioinformatics at ORDC, as well as nationally/internationally.

The program will extend ongoing research focused on developing novel approaches to manage pollen-mediated gene flow (e.g. hybrid seed production, outcrossing mitigation) and maintaining crop reproduction in view of predicted climate changes.

The research will involve studying the reproduction of various plant species while exploiting available plant genetic resources, bioinformatics software, platforms and databases, next-generation sequencing technologies, transgenic approaches to characterize genes involved in reproduction and to modify fertility, as well as related or emerging technologies.

The successful candidate will work with stakeholders from industry, academia, government and others to maintain a strong program direction, will prepare the relevant internal and external multi-year research grant proposals, will provide scientific advice and transfer technology to partners and clients, and will communicate the research results through peer-reviewed publications and presentations.

See links below for relevant information and to apply for the position.