

Teaching Assistant(s) for PLNT3140 Cytogenetics

**Duties:**

These hours could potentially be divided between two graduate students.

Spring/summer - approx. 21 to 30 working days during May - August

Plant rye at Point and harvest mature anthers for meiosis  
Prepare plant materials and fix for chromosome analysis  
Prepare solutions for Fall lab  
Clean microscopes and get ready for Fall lab

Fall term - 15 hr./week for 8 - 9 weeks, Sept. - Nov.

Set up materials for labs  
Teach lab sections, MWF, 9 students per section  
Clean up after lab  
Grade lab reports

**Skills required:**

Background in basic genetics, including mitosis and meiosis  
Plant growth and tissue collection, fixation and staining on slides  
Use and maintenance of microscopes  
Karyotype analysis and photomicroscopy

**Applying:**

Students interested in this position should contact Dr. Brian Fristensky  
([brian.fristensky@umanitoba.ca](mailto:brian.fristensky@umanitoba.ca)). Please send CV.