

Student Research in Professor Logan's Lab (Since 2005)
(* denotes Honors in Biology or Biochemistry)

Allison Chan*, 2010/2011 White spruce physiology, growth and reproduction across its geographic range.

Ouda Baxter, 2010 Examining the superoxide scavenging capacity of stemmed and stemless maté.

Danielle Marias*, 2009/2010 Assessing light capture and photosynthesis in mistletoe-induced witches' brooms using a three-dimensional canopy model.

Allison Chan, 2009 Light capture efficiency of shade- and sun-acclimated balsam fir needles.

Shem Dixon, 2009 Construction and use of a gas exchange chamber for the analysis of gas exchange of whole witches' brooms.

Stephanie Schmiege, 2009 Empirical quantification of the effect of witches' brooms on white spruce light interception.

Cody Desjardins*, 2008/2009 The effect the hemlock wooly adelgid on forest soil biogeochemistry and soil microbial community.

Marie Sears*, 2008/2009 The effect of past and future predicted climate on photosynthetic acclimation and drought tolerance of eucalypts.

David Zonana*, 2008/2009 The effect of eastern dwarf mistletoe on host white spruce radial growth.

Nicolas Norton, 2009 Winter acclimation in eastern dwarf mistletoe-infected white spruce.

Benjamin Stormo*, 2007/2008 The influence of eastern dwarf mistletoe on the expression of senescence-related genes in host spruce foliage.

Nate Krahn*, 2007/2008 Photoinactivation, photosynthesis, growth, and reproduction in an *Arabidopsis* genotype that cannot perform energy dissipation.

Carolyn Hricko*, 2007/2008 The impact of elevated CO₂ and warming on the gas exchange and leaf pigment composition of *Eucalyptus*. 2006 Physiological and genetic studies of eastern dwarf mistletoe and its spruce hosts.

Ryan Dunlavey, 2006/2007 The influence of eastern dwarf mistletoe infection on the hydraulic conductivity of white spruce stems. 2005 Effects of eastern dwarf mistletoe on the water status of host spruce.

Adam Hall, 2006 Physiological and genetic studies of eastern dwarf mistletoe and its spruce hosts.

Ross Butschek*, 2005/2006 Does water stress explain the contrasting effects of eastern dwarf mistletoe on red versus white spruce?

Andrew Combs*, 2005/2006 Examining signal transduction pathways influencing ultrastructural acclimation in *Arabidopsis*. 2004 Acclimation of photosynthetic electron transport in loblolly pine exposed to elevated CO₂ at the Duke Forest FACE site.

Alla Lescure Smith*, 2005/2006. A molecular genetic examination of the role of ascorbate in chilling tolerance. 2005 Phylogeography of eastern dwarf mistletoe.