



Development of a robot-aided cryopreservation methodology for industrial scale preparation of *in vitro* elite Norway spruce cell lines

MSc/BSc project

SweTree Technologies (www.swetree.com) is a plant and forest biotechnology company providing products and technologies to improve the productivity and performance properties of plants, wood and fiber for forestry, pulp & paper, packaging, hygiene, textile and other fiber related industries. SweTree Technologies has 32 employees in offices and laboratories in Stockholm, Uppsala and Umeå.

The section at SweTree technologies focused on *in vitro* propagation of elite conifer trees is now looking for highly motivated individuals to help us set up a novel methodology for cryopreservation of tree somatic embryos as an MSc or BSc degree project. The project involves optimizing cell- and tissue culture practices, and adopting existing manual procedures for cryopreservation to work efficiently with a Hamilton Microlab STAR Liquid Handling Workstation. These two work areas can be treated as separate but closely linked projects and we think that the project would benefit from a team of students where one is more focused on the cell- and tissue side of the project and the other is more technically inclined. Good communication and documentation skills in English are necessary. Good Swedish is a plus.

The project can start ASAP from January 2011 at our site located in Uppsala Business Park in Fyrislund Uppsala.

For more information, please email Ulrika Egertsdotter (ulrika.egertsdotter@swetree.com) or Sven-Erik Sköld (sven-erik.skold@swetree.com), or call +46 706 395 013.

