



Master thesis

The Mitochondrial Research Laboratory (Prof. Erich Gnaiger; Dept Visceral, Transplant, Thoracic Surgery, D Swarovski Res Lab, MUI; and OROBOROS INSTRUMENTS) offers a master thesis position. During the master thesis project, the student will be introduced into tissue preparation (skeletal and cardiac mouse muscle) for measurement of mitochondrial respiration. The main goal is to test, using a newly developed thermoelectric cooling plate, the influence of tissue storage time, storage solutions and temperature during tissue preparation on preservation of mitochondrial respiratory function. The results contribute to the (i) standardization of tissue preparation for experimental studies (mitochondrial competence in muscle tissue) and (ii) optimization of storage conditions for organ transplantation (heart).

Please send your application with CV to Dominik.Pesta@uibk.ac.at or Erich.Gnaiger@oroboros.at.

Innsbruck - the city in the Alps: Tyrol and its capital Innsbruck offer the highest standards of quality of life in Austria, combining the unique alpine surroundings with an excellent infrastructure. High living standards include international schools, a very good health care system, political stability and outdoor sport activities on the doorstep, e.g. skiing, hiking, mountain climbing.