



SATURDAY, APRIL 24TH MORNING WORKSHOPS

100 - Husbandry, Handling and Restraint of the Mouse, Rat, and Rabbit

Price: \$150

Registry Workshop

This workshop is for individuals who would like to obtain experience and knowledge in the husbandry, handling, and restraint of the common laboratory animal species. Live mice, rats, and rabbits will be used to demonstrate proper handling, sexing, and basic examination of each species. This workshop is highly recommended for ARLAT(3) or RLAT candidates.

101 - Behind the Scenes and Biological Training at the Québec Aquarium

Price: \$175

Experience the Aquarium of Quebec! Unique in Quebec, this 16 hectare site will take you through the heart of the ecosystems of the St. Lawrence River and the Canadian waterways to discover the flora and fauna of the north. During this amazing journey to the North Pole, you will have the chance to see nearly 10,000 specimens of freshwater and saltwater fish, reptiles, amphibians, invertebrates, as well as marine mammals including the Atlantic and Pacific walrus, seals and polar bears. The attendee will take part in a three hour "behind the scene" tour of the Aquarium de Québec. A show will be presented and a power point presentation on animal training will follow the visit.

~~102~~—Complete Necropsy of Mice- Workshop Full

Price: \$200

Speakers: France Létourneau, Sonia Francoeur, Mathias Leblanc

In this hands-on workshop, participants will first learn the basics of 'normal' anatomy of the mouse. A full standardized necropsy will then be taught and participants will learn how to collect different tissues for histopathology. Dr. Mathias Leblanc, a specialist in pathology, will be on site to assist the participants.

~~103~~—Stereotactic Surgery of the Third Ventricle in Rats- Workshop Full

Price: \$175

Speakers: Nicolas Thiboutot-Gagnon, Sébastien Poulin , Cynthia Bouchard

The Stereotaxic surgery is a technique used in Neurosurgery to reach precisely brain areas. It allows us to define a structure's position with coordinates in space and to reach it to proceed to a treatment. This workshop will follow every stages of the implantation of a permanent guide cannula in the third ventricle of a rat of approximately 300 grams' brain for injections.

104 – CALAM Workshop: The Design of Experiments Involving Laboratory Animals
Sponsored by: Canadian Council on Animal Care & Tecniplast

Price: \$100

Speaker: Michael Festing

Animal scientists go to a great deal of trouble to produce high quality, disease-free animals maintained in an optimum environment by well trained staff. But if these animals are subsequently used in poorly designed and inadequately analysed experiments all this effort is wasted and there are ethical problems in justifying the work. Unfortunately, there is evidence that many animal experiments leave room for improvement. This workshop will be aimed primarily at laboratory animal veterinarians, research workers and members of ethical review committees. The emphasis will be on experimental design, and in particular will try to show how poor design can be recognised and provide tools to enable the animal professionals to give advice. Using examples, we will cover the five main characteristics of a well designed experiment: absence of bias, high power, a wide range of applicability, simplicity and being amenable to a statistical analysis. We will discuss identification of the experimental unit, randomisation, caging, control of variability by selection of subjects and by blocking, sample size determination and the use of factorial designs so that the available animals can be used most effectively. Methods of statistical analysis will be outlined, but not discussed in any detail (no mathematics!). Discussion will be encouraged and stimulated by some simple discussion exercises.