



SUNDAY, APRIL 25TH MORNING WORKSHOPS

300 - Preparing for the CALAS-ACSAL RMLAT Examination

Price: \$150

Registry Workshop

This workshop is for any Registry member considering challenging the Registered Master Laboratory Animal Technician certification exam. Experienced RMLATs from the Registry Committee will outline the exam process and requirements, and will share helpful tips and study methods to prepare for this challenging but rewarding educational experience.

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

Price: \$150

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.

302 - Détermination du phénotype comportemental

Price: \$150

Speaker: Eve-Marie Charbonneau

Les effets de la modification de gènes (transgénique, Knock-out ou Knock-in) sur la fonction du système nerveux central sont complexes et peuvent affecter le comportement animal. Afin de comprendre comment se produisent ces changements, il faut utiliser des tests comportementaux sophistiqués et appropriés à chaque système neuronal affecté. Le Neurophénotypage permet de déterminer comment certains gènes, soumis à des stress environnementaux affectent le cerveau, le comportement et les fonctions cognitives. Une Présentation des tests comportementaux les plus fréquemment utilisés dans la détermination d'un phénotype comportemental chez la souris et le rat seront présentés. Pour compléter la présentation théorique, des vidéos seront présentées de façon à introduire une discussion entre les participants dans le but d'aider à comprendre et de faire l'analyse du comportement.

303 - ACC 201 – Sponsored by CCAC

Price: \$150

The Canadian Council on Animal Care is organizing this workshop to provide animal care committee members with an opportunity to learn about common challenges related to the use of animals in science. The workshop will focus on the implementation of the Three Rs of replacement, reduction and refinement alternatives. Speakers and topics will be identified at a later date. All animal care committee members are welcome to participate in this workshop that will be held in English.

304 - Surgical Implantation Techniques for a Programmable Refillable Micro Infusion Pump

Price: \$200

Speakers: Heather Bogie & Colleen Whelan

Participants will be acquainted with a new programmable refillable implantable micro infusion pump that is available for chronic tether less home cage rodent infusion. Pump programming, filling, operation, implantation surgery, infusion catheter placement, and reservoir refilling will be demonstrated. Attendees will have opportunity to perform subcuticular pump implantation and vessel cannulation in standard laboratory rat models. Prior rodent surgical experience is strongly suggested.

305 - Colony Management of Transgenic Mice

Price: \$150

Speakers: Dr. Bruce Elder DMV, Dr. Scout Chou DMV

Colony management is often an important component of an animal health technician's everyday duties. The increased use of genetically engineered mice also adds to the challenges of colony management. In this theoretical workshop, attendee will learn the basics about how to manage mouse colonies, including transgenic colonies, how to manage the unique needs of different strains of mice and much more. This workshop will be useful for those who are already performing colony management tasks and will be a good foundation for those who are new to the role!

306 - Small Animal Imaging: Techniques for In-Vivo Anatomical, Functional and Molecular Imaging

Price: \$150

Speaker: David Lapointe

Non-invasive small animal imaging techniques are commonly used to study biological processes and the pathogenesis and treatment of human disease. In this workshop participants will learn how researchers are using small animal imaging systems to aid in the discovery, development, and monitoring of novel treatments. Imaging modalities including microPET, microSPECT, MRI, microCT, fluorescence and bioluminescence optical imaging, ultrasound, and image analysis software solutions will be discussed. In addition, basic laboratory methods and animal handling techniques related to small animal imaging will be reviewed.