

Transgenic Research Technician Contact/Scientist

Dr. David Lohnes Chair

Professor, Department of Cellular and Molecular Medicine Director, Transgenic Core

University of Ottawa, Canada

Description of the position: The principal mandate of the University of Ottawa Transgenic Core facility is to provide genetically modified mouse models to the research community (ES cell-based, transgenic, CRISPR/Cas9); to provide cryogenic archiving of existing mouse lines; and to provide embryo transfer of contaminated mouse lines. These services will be initiated by a Research Technician who will report to the Director of the core (currently Dr. David Lohnes of CMM). This technician will be responsible for the day-to-day operation of the core and development of new technologies. Duties include: In consultation with the ACVS at RGN, to develop and implement and maintain Standard Operating Procedures and protocols for the derivation of transgenic and knockout models as well as cryopreservation and embryo transfer. To assist in the development and implementation of a web-based portal for dissemination of information regarding the Transgenic core, and for interacting with clients. In collaboration with the Director of the core, to consult with clients as to the design and preparation of transgenic constructs. Responsible for all aspects of derivation of transgenic mice, including quality control and purification of transgenes, microinjection of transgenic DNA constructs and ES cells, assistance in the genotyping of transgenic offspring, establishing mouse colonies for the generation of fertilized eggs, recipient pseudopregnant females and other aspects related to routine transgenic technology. Responsible for ordering animals, supplies and equipment for the generation of transgenic offspring and cryogenesis. Responsible for cryogenic archiving of mouse embryos. Responsible for accurate record keeping of all orders, generation of transgenic offspring and cryogenic archival records. Assessment and development of new technologies related to mouse modeling.

Highly-motivated candidates are encouraged to email a cover letter, updated CV and a page listing the names and contacts of 3 referees to dlohnes@uottawa.ca