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North American Conditional Mouse Mutagenesis (NorCOMM) Project

Integrated GE³LS Research Socio-economic impacts of institutional/business practices and intellectual property structures

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Summary

The GE³LS component of this research, effectively a case study of the NorCOMM project as it develops, will allow insights into the ongoing debate about the effects of institutional/business practices and intellectual property structures on access to research tools; rates of innovation; knowledge and innovation flows; rights of developers and innovators; and access to products and processes of innovation.

To address the impacts of the NorCOMM resource, the GE³LS activities have three principal aims:

1. To explore costs and benefits of different network structures, funding models and intellectual property practices on the development of resources for genomics research and impacts on knowledge flows in the domain of mouse genomics and human genetic disease research.
2. To use multi-method approaches to track knowledge and innovation flows including new computational methods to visualize the knowledge domain of mouse genomics
3. To use bibliometric and scientometric methods to objectively assess and prioritize gene targets for Canada's public and private research sectors.