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Northern
Cancer Fund



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Health Sciences
Discovery Fund

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Protecting our Food and Environment Through Genomics Research:
A presentation of the Health Sciences Discovery Fund GEEE! In GENOME Speakers' Series

How can genomics research contribute to the safety of our food supply? What is the effect of the effluent from industries such as pulp and paper on our local fish?

Find the answers at the next presentation in the Health Sciences Discovery Fund GEEE! In GENOME Speakers' Series. **Protecting our Food and Environment Through Genomics Research** will be presented at 7:30 pm on Wednesday, October 1 with guest speakers Dr. Heidi Schraft and Dr. David Law.

Dr. Heidi Schraft will explain how genomics research at Lakehead University has helped to find a possible new approach to remove *Listeria monocytogenes* in food processing environments.

Dr. Heidi Schraft completed an undergraduate and doctorate program in Veterinary Medicine at the University of Zürich. She worked as a Research Associate at the Institute of Food Hygiene in Zurich before coming to Canada in 1993 to work on molecular methods for the detection and epidemiological typing of *Bacillus cereus*. In 1996, she was appointed Assistant Professor in the Food Science Department at the University of Guelph, where she taught Food Microbiology and established a research program on microbial biofilms. In 2002, Dr. Schraft joined Lakehead University as an Associate Professor to teach and research in the area of Molecular Food Microbiology. Dr. Schraft's research concentrates on microbial biofilms with the long-term goal to better understand the cellular mechanisms of biofilm formation by foodborne microorganisms.

Dr. David Law will discuss Fish and chips: using molecular biology tools to understand plant and animal development. In his lab, Dr. Law's goal is to link the effect of chemicals in the environment on genes with changes in the reproduction of the fish.

Dr. David Law works with plants and animals and uses molecular biology techniques to better understand how changes in their genes function to help fish survive challenges in their environment. Currently at the Molecular, Environmental and Developmental Biology lab (MEDAL) in the Department of Biology at Lakehead University, he obtained his PhD degree in Biology at Queen's University. He then worked for a number of years for the US Department of Agriculture and in private industry at multiple locations in the United States, prior to coming to Lakehead as an Assistant Professor in 2004. He is now an Associate Professor and conducts research in plant developmental biology and biochemistry and animal molecular toxicology.

All Sciences Discovery Fund GEEE! In GENOME Speakers' Series presentations will be held at Thunder Bay Art Gallery. Admission is free.

The GEEE! In GENOME exhibit is open to the public at Thunder Bay Art Gallery from September 19 until November 2, 2008. The national touring exhibition explores the ABCs of the exciting world of genomics in a fun, interactive exhibition for all ages!

Through The GEEE! In GENOME Speakers' Series, the Health Sciences Discovery Fund is bringing discovery to life! The Health Sciences Discovery Fund raises funds to support excellence in medical research in Northwestern Ontario, including the activities of the Thunder Bay Regional Research Institute of the Thunder Bay Regional Health Sciences Centre.

The GEEE! In GENOME is produced by the Canadian Museum of Nature and presented nationally by Genome Canada, presented locally by the Ontario Genomics Institute, the Thunder Bay Regional Research Institute, and the Thunder Bay Regional Health Sciences Centre in partnership with RBC Royal Bank.

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For further information, or to arrange interviews with GEEE! In GENOME Speakers' Series guests, please contact:

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OUR MISSION: To raise funds to support excellence in
healthcare for the people of Northwestern Ontario.

