



LEARNING TO MAKE
A WORLD OF **DIFFERENCE**™

2007 ANNUAL REPORT

TRENT UNIVERSITY

Peterborough • Oshawa • Ontario • Canada

Real-world Research



Dr. Céline Guéguen An expert in tracing environmental pollutants in Arctic regions, Dr. Céline Guéguen was appointed a Canada research chair in aquatic sciences and biogeochemistry in 2007.

To gauge the health hazard that might be posed by heavy metals, such as lead, in Canada's northern lakes and rivers, Prof. Guéguen is investigating how dissolved organic matter, including dead algae, fallen leaves, and soil runoff move around in these waterways. Prof. Guéguen and her team plan to establish a research laboratory at Trent that will study the dynamics of such matter in the underwater environment, and how it affects the fate of metals that might also be found there. This work will lay the foundation for much more accurate measurements of the potential impact of waterborne contaminants, along with prevention or clean-up strategies to safeguard the quality of a resource that is vital to all Canadians.



Dr. Paul Wilson A renowned wildlife DNA forensic scientist and conservation geneticist, Dr. Paul Wilson was appointed a Canada research chair in DNA profiling, forensics, and functional genomics.

Prof. Wilson is working to enhance the DNA Centre's capacity to allow for the rapid identification of various mammals, birds, insects, and microscopic organisms, as well as to understand the impacts of climate change on genetic structure and adaptability in species such as flying squirrels, caribou, moose and polar bears. These initiatives will further enable a more accurate assessment of wildlife and other non-human forensic cases, the impact of hunting on animal populations in the wild, the conservation of endangered species under the Species-at-Risk Act (SARA) as well as broadened partnerships with biotechnology firms in the Peterborough area.



EARLY RESEARCHER AWARD

Biology's Dr. Marguerite Xenopoulos was the recipient of a prestigious Early Researcher Award from the Ministry of Research and Innovation. The award will allow Prof. Xenopoulos to further her research into the impact of climate change on freshwater ecosystems.

GROUNDBREAKING PHILOSOPHY GUIDE

Columbia Companion to Twentieth-Century Philosophies is a groundbreaking new guide to Philosophy, featuring the writing of eight Trent professors. The guide is the first to cover both the Anglo-American analytic and European continental traditions. Seven of the 41 chapters are written by current and emeriti Trent professors.

INTERNATIONAL CONFERENCES AT TRENT

Organized by Dr. Holger Hintelmann, chair of the Chemistry department, Trent hosted the 53rd annual International Conference on Analytical Sciences and Spectroscopy (ICASS). The conference attracted more than 100 scientists from around the world to discuss the latest methods of measuring chemical contaminants in the environment.

The Re-Envisioning Relationships Conference, organized by Dr. Lynne Davis of Indigenous Studies, saw more than 55 local, national and international speakers along with prominent Aboriginal and non-Aboriginal leaders, activists, and academics discuss how they can work effectively in alliances and coalitions to pursue their goals of Indigenous rights, social and environmental justice.