Provost Awards for Excellence in Teaching Design and Practice

Award: **Teaching Design and Practice that Enhances Deep Learning**

Recipient: **Dr. Erik Krogh**
Department of Chemistry, Faculty of Science and Technology

Erik completed his undergraduate studies at the University of Toronto with an Honours BSc degree in Chemistry and a concurrent BA in Environmental Studies. He went on to obtain his PhD at the University of Victoria, where he specialized in physical organic chemistry investigating structure-activity relationships in the photochemistry of organic molecules. After several years as a Natural Science and Engineering Research Council of Canada post-doctoral fellow working in environmental photochemistry related to air and water quality, Dr. Krogh took up a faculty position in the department of Chemistry at Vancouver Island University, where he has been actively involved in program and course development. He is the co-director of the *Applied Environmental Research Laboratories*, a federally funded research facility that directly involves undergraduate and graduate students. His current research interests include the development and application of real-time techniques to investigate environmental chemical processes in complex and reactive samples.

Erik is also the faculty advisor of the *Awareness of Climate change through Education and Research* project, which is dedicated to increasing public knowledge on the science of climate change.

Erik has a demonstrated commitment to educational leadership that fosters deep learning, critical thinking and problem solving. Contributions to the design and practice of teaching and learning chemistry include, teaching in real-world contexts; modeling problem solving in real-time; and engaging students through the use of case studies, inquiry based exercises and peer evaluation. Initiatives at the departmental, institutional, regional and national level focus on providing experiential learning opportunities through the practice of research and scholarship.