

41st Annual HUGGINS SCIENCE SEMINAR

Tuesday, October 18, 2022 | 7:00pm | Reception to Follow

Acadia University, Wolfville | Huggins Science Hall, Room 10

The Power of the Past: Tracking Lake Ecosystem Changes in an Anthropocene World

ONE OF THE GREATEST CHALLENGES faced by environmental scientists and regulators is using appropriate time scales to assess environmental change. Due to the general lack of long-term monitoring data, it is often difficult to determine the nature and timing of ecosystem changes. Nonetheless, the ecosystems around us have been (indirectly) archiving records of past environmental change in a wide spectrum of sources. This presentation will focus on how lake sediments can be used to assess important lake management issues.



John P. Smol, OC, PhD, FRSC, FRS

JOHN P. SMOL, OC, PhD, FRSC, FRS is a Distinguished University Professor in the Department of Biology at Queen's University (Kingston, Ontario). Smol founded and co-directs the Paleocological Environmental Assessment and Research Lab (PEARL), a group of ~40 students and other scientists dedicated to the study of long-term global environmental change, and especially as it relates to lake ecosystems. John has authored ~660 journal publications and chapters since 1980, as well as completed 23 books (with 2 more in preparation). Smol was the founding Editor of the *J. Paleolimnology* (1987-2007) and is current Editor of *Environmental Reviews*. Since 1990 John has received 6 honorary doctorates and has been awarded >70 research and teaching awards and fellowships, including the NSERC Herzberg Gold Medal as Canada's top scientist or engineer and the International Ecology Institute Prize. Amongst his 15 teaching and outreach awards, he was named a 3M Teaching Fellow and, following a nation-wide search, *Nature* chose John as Canada's Top Mid-Career Science Mentor. In 2013, he was named an Officer of the Order of Canada for his environmental work and in 2018 a Fellow of the Royal Society (London). He was elected President of the Academy of Science, Royal Society of Canada (2019-2022).

Charles B. Huggins 1901–1997

1966 Nobel Laureate in Physiology and Medicine
1920 Acadia Graduate

The Huggins Science Seminar was established in 1972 on the initiative of Acadia graduate, Dr. Charles Huggins, Nobel laureate and former Acadia Chancellor.

