

University of Southern Caribbean Public Lecture Series

Thursday, November 18, 2021

Title: Public Science – Learning Without Walls

Presenter: Dr. Desmond Hartwell Murray, Associate Professor of Chemistry, Andrews University

Abstract:

The focus of this presentation is development of an interlevel multidisciplinary community engagement program of public science. This innovation emerged from simultaneously teaching both high school and college on the campus of Andrews University over the last twenty-five years. A Biblical basis and supporting Adventist philosophy of community engagement will be presented.

My approach to public science was defined, discussed, and showcased in the 2016 American Chemical Society Symposium Series book - *The Power and Promise of Early Research* - that I co-authored and was the Lead Editor on.

This approach to public science is multiple in terms of media used, forum and venues, curricular and extracurricular, academic discipline, guest lecturers and target audience. It also involves communicating science as human-interest (people with personalities and voices) stories and not simply and exclusively about the products and processes of science using jargon-laden language.

Public science is intentionally connected to early research by creating the space and opportunity for early researchers to tell their stories, their research experiences, in LabTales and PSAs (public science announcements), and on all media platforms, traditional, social, and online. It focuses on the poetry of their experiences alongside the prose of their experiments.