

## Spring 2024 Community Engagement Forum

**Date: April 25, 2024**

**Location: UNBC Northwest Campus**

4837 Keith Avenue

Terrace, British Columbia

### Description

The CEF is instrumental in fostering robust relationships between the University of Northern British Columbia (UNBC) and its local communities in the Prince George, South-Central, Northwest, and Northeast regions. These forums provide a platform for both sharing updates on UNBC activities with regional collaborators and obtaining input from them on programs, projects, and potential partnerships. With the objective of forging meaningful integrations within local communities, the CEF plays a pivotal role in UNBC's mission to serve and impact northern British Columbia.

### Itinerary

#### April 25, 2024

2:00pm – Welcome: Dr. Geoff Payne, President and Vice-Chancellor

2:05pm – Traditional Opening: Liitam laxdaaw gyibaaw (Sharon Bryant), Kitsumkalum First Nation

2:10pm – 4:00pm Tabletop Discussion

4:15pm – 5:00pm Faculty Research Presentation: Dr. Kalindi D. Morgan

5:00pm – 5:30pm Networking Reception

### Faculty Research Presentation

**Dr. Kalindi D. Morgan**

*Assistant Professor*

*School of Chemistry, UNBC*



Dr. Kalindi D. Morgan is an Assistant Professor of Chemistry at the University of Northern British Columbia. With a Ph.D. in Chemistry from the University of British Columbia, under the supervision of Drs. Raymond Andersen and Katherine Ryan, she has conducted extensive research on bioactive natural products from marine and terrestrial bacteria. Her innovative work includes the development of novel methodologies for natural product discovery. Dr. Morgan's academic contributions are reflected in her publications and her dedication to teaching and mentoring students in various aspects of chemistry. Her ongoing research and academic efforts continue to push the boundaries of natural product chemistry and its bioactive applications.

**Presentation Title:** From Bark to Bottle: Unlocking New Antifungals from Nature's Biodiversity

**Presentation Description:** The boreal and sub-boreal forests of Northern BC and Yukon, rich in biodiversity, serve as our research focus for uncovering new antifungal medications and pesticides. Our work at the Morgan Lab, UNBC, harnesses nature's untapped chemical defenses, particularly from microorganisms within these forests, using advanced isolation and analysis techniques to pioneer the next generation of bioactive compounds. This endeavor not only seeks to address the challenge of resistant fungi but also highlights nature's pivotal contribution to pharmaceutical and agrochemical innovation.

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