



2nd UBC Ice Workshop

30th of July, 2024

Seminar talk D300	12:45 – 1:15 pm	Nina Atanasova	Ice nucleation and atmospheric transmission of viruses
Seminar talk D300	1:20 – 1:50 pm	Zane Dedekind	The impact of natural and man-made ice production in clouds containing ice?
Coffee Break D211	1:55 – 2:10 pm		
Opening words D211	2:10 - 2:15 pm	Introduction to the 2 nd UBC Ice Workshop	
	2:15 - 2:30 pm	Katie Marshall	Ice binding proteins in the intertidal zone
	2:30 - 2:45 pm	Soleil Worthy	A method for separating and quantifying organic and inorganic ice nucleating substances based on density gradient centrifugation
	2:45 - 3:00 pm	Gurcharan Uppal	Updated Density Gradient Centrifugation Method: Improving Retention of Soluble INS Species
	3:00 - 3:15 pm	William Bae	Influence of Membrane Curvature on Pseudomonas syringae InaZ Ice-Nucleating Ability
	3:15 - 3:30 pm	Teresa Seifried	Microplastic particles contain ice nucleation sites that can be inhibited by atmospheric aging
Coffee break D211	3:30 - 4:00 pm		
First session presentations, chair: Paul Bieber D211	4:00 - 4:15 pm	Paul Bieber	How do organic nanointerfaces nucleate ice? High-speed cryo-microscopy and nanoparticle tracking analysis on ice-nucleating biopolymers
	4:15 - 4:30 pm	Lian Pharoah	Investigation into the Mechanisms of Heterogeneous Ice Nucleation of Organic Surfaces Using Molecular Dynamics Simulations
	4:30 - 4:45 pm	Adam Yung	Biomass burning organic aerosols as ice nucleating particles
	4:45 - 5:00 pm	Elsa Yuan	Energetic processing of sulfur-containing icy dust grains in the interstellar medium
	5:00 – 5:15 pm	Abhishek Soni	Prediction of heterogeneous ice nucleation through machine learning and simulations
	5:15 – 5:30 pm	Antoine Attia	Ice-nucleating particles emitted from a local coal mine in the Elk River Valley
Coffee break D211			
Second session presentations, chair: Teresa Seifried D211			
Closing remarks		Feedback and closing discussion	
Closing event		Drinks and snacks at the Gallery	