On behalf of the Department of Wood Science

Wood Science invites you to the Biotechnology & Bioproducts Tenure-track Faculty Candidate Search

Please join us!

Candidate 1 – **Thu Vuong**

Research Seminar
June 27th 12:00 – 1:00pm, CAWP 2916
*"*Unlocking value from underused biomass - Robust enzyme cascades for biochemicals and controlled assembly of biopolymers*"*

Teaching Demonstration
June 28th 1:00 – 2:00pm, CAWP 2916
"Enzymes in pulp and paper processes"

Thu Vuong is a senior research associate in the Department of Chemical Engineering and Applied Chemistry at the University of Toronto. He received a Bachelor of Biotechnology and a Master of Biotechnology from Vietnam National University and Flinders University, correspondingly. He then earned a Ph.D. in Environmental Toxicology from Cornell University and a certificate of project management from the University of Toronto. His current research is on the discovery and application of lignocellulose-active enzymes.

Candidate 2 – **Jaya Joshi**

Research Seminar
June 29th 12:00-1:00pm, CAWP 2916
*"*Replaying the Tape of Life by Enzyme Evolution - From 'Good Enough' to Better*"*

Teaching Demonstration
June 30th 1:00 – 2:00pm, CAWP 2916
"Building green cell factories for green growth and a green future"

Jaya Joshi is a synthetic biologist interested in metabolic engineering and the directed evolution of enzymes. She recently finished a postdoctoral fellowship with Dr. Andrew Hanson at the University of Florida and moved to Dr. Vincent Martin's lab at the Centre for Structural and Functional Genomics, Montreal, to explore the enormous power of biofoundries in the field of synthetic biology. Her research walks through enzyme design space: exploring fitness landscapes for radical metabolic engineering design ideas, guided by the aim of successful implementation of carbon farming by 2050.

Candidate 3 – **Jian Wang**

Research Seminar
July 11th 12:00 – 1:00pm, ONLINE
"Engineering Designer Cell Factories for Bio-based Chemical Production"
https://ubc.zoom.us/j/68260761185?pwd=TjdjL0FXZ1Z4MDVlKzZRZ00zb29VQT09
Meeting ID: 682 6076 1185
Passcode: 807428

Teaching Demonstration
July 12th 1:00 – 2:00pm, ONLINE
"From Nature to Synthetic Bioproducts"
https://ubc.zoom.us/j/63639977872?pwd=cGdGLzFCMzRVTVRLR1VxNkkzT21NUT09
Meeting ID: 636 3997 7872
Passcode: 621470

Jian Wang's research focuses on the field of biological and chemical engineering and involves the application of metabolic engineering and synthetic biology technologies to create designer cells and establish biochemical pathways for microbial synthesis of fuels, chemicals, natural products, and biomaterials from lignocellulosic sugars.