

# National Biotechnology Week Tuesday September 30, 2014

## "Let's Talk Biotech: CBB Biotechnology Research and Networking Reception"

Davis Centre, Rooms 1304 and 1301  
University of Waterloo, 200 University Avenue West, Waterloo, Ontario

The Centre for Bioengineering and Biotechnology will be celebrating National Biotechnology Week from September 29-October 1. Our goal is to highlight and increase the awareness of work that is being conducted in biotechnology through a panel discussion, faculty and industry representative talks, and presentations showcasing graduate student work.

### AGENDA

#### Room DC 1304

1:30 Welcome & Opening Remarks Catherine Burns, Director of CBB, University of Waterloo

1:35 5 minute CBB researcher presentation synopsis

*Bending the cost curve: Building a \$1000 diagnostic X-ray imager for scalable and sustainable healthcare*  
Karim S. Karim, Electrical and Computer Engineering, University of Waterloo

*Scanning probe microscopy in biomedical research*  
Zoya Leonenko, Physics and Astronomy, University of Waterloo

*Model-based design in synthetic biology*  
Brian Ingalls, Applied Mathematics, University of Waterloo

*An engineering prospective on Cancer*  
Adil Al-Mayah, Civil and Environmental Engineering, University of Waterloo

*Mining microbial metagenomes*  
Trevor Charles, Biology, University of Waterloo

*Metabolic pathway analysis in biotechnology*  
Brendan McConkey, Biology, University of Waterloo

*Research in Life Science and technology at CIARS*  
Aidin Taeb, Electrical & Computer Engineering, University of Waterloo

*Glycosidases in human health and disease*  
David Rose, Biology, University of Waterloo

*Tools and strategies for complex biologics production in animal cells: applications to insect and mammalian cell culture*  
Marc Aucoin, Chemical Engineering, University of Waterloo

#### Room DC 1301 (fishbowl)

3:00 Open Showcase - Posters, Demos, and Networking Reception with light refreshments

*Implantable Neural Interfacing Platforms*  
*Low-cost low-dose digital x-ray detector*

*Multiple Droplet Merging for the Control of Micro-reactions on a Microfluidic Chip: Application to Single Cell DNA Analysis*  
*Encapsulation of Single Cells into Nanolitre Droplets Using Viscosity-Stratified flow in a Flow Focusing Device*

4:00 Close

**No charge to attend but registration is required as seating is limited.**

Krystina Bednarowski, [cbb@uwaterloo.ca](mailto:cbb@uwaterloo.ca) (519) 888-4567 x32732  
Directions and Map ([uwaterloo.ca/map](http://uwaterloo.ca/map))



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