BJI SHOWCASE SERIES
(Virtual Showcase on Zoom)
Friday June 18
2:00 pm

Featuring BJI New Member Introductions and our 2021 BJI MSK Innovation Competition Winner

Enter Zoom Room Here

Dr. Tamie Poepping
“Small but Mighty - Microfluidic Platforms for Big Jobs in a Small World”

Microfluidic devices are the backbone of the exploding fields of lab-on-a-chip and micro-droplet generators. These miniaturized platforms are hugely powerful for their capacity to recapitulate in vivo micro-environments, reduce consumables, and enable high throughput experimentation. Examples of each of a lab-on-a-chip and a micro-droplet generator will be presented as a gateway for exploring new applications.

Mr. Alex Deans - MSK Innovation Competition Winner - 2021
“Pickle, an App-based Diagnostic Decision aid for MSK Complaints”

The diagnosis for musculoskeletal (MSK) problems is often not clear to the non-specialist. Current resources like UpToDate and clinical practice guidelines are limited. As a result, unnecessary and sometimes inappropriate diagnostic workups lead to increased resource utilization, longer wait times for patients, and unnecessarily-increased volume for specialists. Pickle is a medical specialist in your pocket. Join me as introduce our app-based, artificial intelligence-powered algorithms used to guide primary care doctors on the most efficient diagnostic workup for common musculoskeletal complaints.

Dr. Yolanda Hedberg
“Role of patient factors on metallic implant corrosion and failure”

There are some indications that individual patient factors, such as metal allergies, infections, inflammatory diseases, and diabetes, are affecting the corrosion of artificial joint prostheses. These factors might also be highly sex-specific. In this study, we investigate whether a number of patient factors (sex, diabetes, infection, and inflammatory arthritis) has any effect on the corrosion severeness and corrosion type of retrieved metallic knee and hip implants. This study will help us to design better future studies focusing on health effects caused by implant corrosion, while considering sex and comorbidity factors.

This showcase is open to the University Community.
Please feel free to share this invitation with colleagues or members of your lab/department.

Those interested in suggesting new workshop areas have an opportunity to so online at:
http://boneandjoint.uwo.ca/how_to