



## 38th Canadian Biomaterials Society Annual Meeting – PUBLIC SESSIONS

Course Code DNTL-DENT0179-001

**Friday, June 16<sup>th</sup>, 2023**

### Registration link

[Dal.ca/dentistry/cde](http://Dal.ca/dentistry/cde)

### Location

Dalhousie University  
Faculty of Dentistry  
Room TBD

### Check-in

8:00 am to 8:30 am  
Room TBD

### CE Credits

Total 4.0 hours  
CE credits lecture

### Fee

\$200 DDS  
\$125 DH

Note: Faculty, students and staff contact CDE for fee waivers or discounts.



### Course description & schedule

8:30 am till 9:30 am

#### **Oral Regenerative Medicine Using Innovative Scaffolding Technologies**

Talk (Plenary) by William Giannobile (Harvard School of Dental Medicine)

9:30 am till 10:30 am

#### **Dental Applications (Scientific Session 5b)**

Talks during this session:

- Development of Biostable Dental Adhesives: Mechanical and Biological Characterization [*Zach Gouveia/University of Toronto*]
- Growth-Factor-Containing Scaffold for Periodontal Regeneration [*Chengyu Guo/University of Western Ontario*]
- 3D-Printed Porous Titanium Alloy Constructs for Mandibular Reconstruction [*Khaled M. Hijazi*]
- Controlling collagen. Orientation on polyetheretherketone implants to improve epithelial sealing [*Ahmed Saad/McGill University*]

10:30 am till 11:00 am

Coffee Break

11:00 am till 12:30 pm

#### **Bone Tissue Engineering: Regenerative Biomaterials (Scientific Session 6b)**

*Sponsored by Hansamed Limited*

Talks during this session:

- Improving the bone formation ability of a Deproteinized Bovine Bone Mineral (DBBM) xenograft by adding a novel bone anabolic conjugate forming a biomaterial-drug complex [*Zeeshan Sheikh/Dalhousie University*]
- Preparation and characterization of 3D-printed polycaprolactone with surface silver and diclofenac-loaded halloysite nanotubes [*Adlisa Abdul Samad/University of Laval*]
- UV curable nanofibrillar cellulose derivative for bone tissue engineering [*Maxime Leblanc Latour/University of Ottawa*]
- The bone forming potential of Natural Matrix Protein™ (NMP™) compared with cellular, peptide or growth factor enhanced bone graft substitutes [*Sean Peel/Red Rock Regeneration*]

### Learning Objectives

The participants will:

- Learn oral regenerative medicine using innovative scaffolding technologies.
- Understand regenerative biomaterials for bone tissue engineering.
- Understand biomaterials for dental applications.