

## 2022-23 CADR-NCOHR Student Research Award Winners

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The CADR-NCOHR Student Research Awards are sponsored by the Canadian Association for Dental Research (CADR) and by the Network for Canadian Oral Health Research (NCOHR). In 2022-23, a total of 18 CADR-NCOHR Student Research Awards were given out. Sixteen students received awards to present their research at the AADOCR/CADR Annual Meeting in March 2023. Two students received First Place awards and will represent Canada at the IADR Hatton Competition in June 2023.

### JUNIOR CATEGORY

#### FIRST PLACE AND HATTON COMPETITOR

**Andrew Seto**, University of Toronto  
*Dentin Collagen Methacrylation for Improved Dentin Bonding*  
Supervisors: Karina Carneiro, Anuradha Prakki

**Bradley Bigsby**, University of Saskatchewan  
*Dentinal microcracks after endodontic treatment: a longitudinal study using synchrotron-imaging*  
Supervisor: Renata Graziotin

**Juan Buitrago**, University of Saskatchewan  
*Examining Dental Unit Waterline Testing Practices Over an 11-year Period*  
Supervisor: Michelle Siqueira

**Sara Hasell**, University of Saskatchewan  
*The oral health status of children living with autism spectrum disorder*  
Supervisor: Ahmed Hussain

**Riley Immel**, University of Alberta  
*Antibiotic and analgesic prescription pattern by Alberta dentists during COVID-19*  
Supervisor: Maryam Amin

**Kovie Luu**, University of Saskatchewan  
*An Evaluation of Dental Continuing Professional Development Programs in the United States and Canada*  
Supervisor: Keith DaSilva

**Christelle Tan**, University of Manitoba  
*Evaluation of oral health interventions in patients with rheumatoid arthritis: A systematic review*  
Supervisor: Chrysi Stavropoulou

**Sijie (Jessie) Yang**, Dalhousie University  
*Evaluating Dental Hygienists' Anxiety in Relation to COVID-19 Policy Changes*  
Supervisor: Leigha Rock

SENIOR CLINICAL/PRE-CLINICAL RESEARCH CATEGORY

**FIRST PLACE AND HATTON COMPETITOR**

**Rana Badewy**, University of Toronto  
*Oral inflammation alters neutrophil phenotypes and poly-unsaturated fatty acids composition in breast milk*  
Supervisor: Amir Azarpazhooh

**Sharmila Arjunan**, University of British Columbia  
*Near-Infrared Imaging Effectively Screens Inter-Proximal Enamel Caries: Diagnostic Accuracy Study*  
Supervisor: Edwin Yen

**Carlos Alberto Dos Santos Figueredo Junior**, University of Alberta  
*Ultrasound imaging of the periodontium complex: A reliability study*  
Supervisor: Paul Major

**Masoud MiriMoghaddam**, University of Alberta  
*Healthcare utilization and Costs associated with management of Oral and Oropharyngeal Cancer: An 8-year population-based study*  
Supervisor: Maryam Amin

**Ilena Yim**, University of British Columbia  
*E-cadherin and Beta-catenin in the Epithelial Layers of Oral Dysplasia*  
Supervisor: Denise Laronde

SENIOR BASIC SCIENCE RESEARCH CATEGORY

**Andrea Escalante-Herrera**, University of Saskatchewan  
*Degradation of histatin 5 as a marker of periodontal disease*  
Supervisor: Walter Siqueira

**Ibrahim Hoja**, University of Saskatchewan  
*Effectiveness of Porphine Molecules and Tea Tree Oil in Preventing Dental Caries Development*  
Supervisor: Petros Papagerakis

**Nadeen Meshry**, University of Toronto  
*DNA Hydrogels for Bone Regeneration*  
Supervisor: Karina Carneiro

**Angha Himanshu Naik**, University of Saskatchewan  
*The terpenoid celastrol antagonizes transforming growth factor (TGF)  $\beta$ -induced gene expression in human gingival fibroblasts*  
Supervisor: Andrew Leask

**Rima Siauciunaite**, University of Saskatchewan  
*Oral cancer pathogenesis and treatment: effects of circadian clock disruption*  
Supervisor: Silvana Papagerakis

Trainees working in dental and oral health research in Canada applied for the IADR Hatton Divisional Awards and the CADR-NCOHR Student Research Awards by submitting a manuscript describing their studies. The competition was judged by a panel of 18 dental researchers from across Canada, based on the criteria applied by the IADR Hatton judging committee.