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). Awards will be presented to winners at the Annual General Meeting of the CADR, which will be held in conjunction with the meeting of the IADR/AADR/CADR meeting in Washington, DC in March 2020. Two of the winners will also represent Canada at the Unilever/Hatton competition in Washington, DC.

In 2019-20, a total of 18 students received awards:

SENIOR – BASIC SCIENCE RESEARCH CATEGORY – First Place and Unilever/Hatton competitor
Lina Marin from the University of Saskatchewan was awarded first place in the Senior – Basic Science Research category for the project “Engineered salivary peptides reduce enamel demineralization provoked by cariogenic S. mutans biofilm”. Her work was supervised by Dr. Walter Siqueira. Lina will represent Canada at the Hatton competitions in Washington, DC.

SENIOR – CLINICAL/PRE-CLINICAL RESEARCH CATEGORY – First Place and Unilever/Hatton competitor
Madhurima Datta from the University of British Columbia received first place in the Senior – Clinical/Pre-Clinical Research category for the project “Predicting Malignant Progression in Low-Grade Oral Dysplasia using DNA image Cytometry”. Her work was supervised by Dr. Martial Guillaud. Madhurima will also represent Canada at the Hatton competitions in Washington, DC.

The following students received travel awards to present their research at the IADR/AADR/CADR meeting in Washington, DC:

JUNIOR CATEGORY

Trevor Burgess, University of Toronto Supervisors: Dr. Anuradha Prakki, Dr. Karina Carneiro Polyaspartate-Modified Dental Resins with Remineralizing Capacity

Rachel MacDonald, University of Toronto Supervisor: Dr. Marco Magalhaes Increased TNFα and TNFR1 Expression in Oral Malignant Transformation

Gavin Raddall, Dalhousie University Supervisor: Dr. Brendan Leung Intracanal Antimicrobial Effects on SCAP Viability and Differentiation in vitro

Kate Richert, University of Toronto Supervisor: Dr. Laura Dempster The influence of trust on decision-making, information preferences, and patient comprehension

Simran Sarao, University of Alberta Supervisor: Dr. Liran Levin Occurrence and risk factors of dental root perforations: A systematic review
SENIOR BASIC SCIENCE RESEARCH CATEGORY

Jacqueline Crossman, University of Alberta  
Supervisor: Dr. Tarek El-Bialy  
Temporomandibular joint changes in a juvenile arthritic rat model

Harsimrat Kaur, University of Alberta  
Supervisor: Dr. Paul Major  
An in-vitro study to evaluate the biomechanical systems associated with orthodontic clear aligners orthodontic clear aligners using an Orthodontic SIMulator(OSIM): A pilot study

Fatemeh Mohabatpour, University of Saskatchewan  
Supervisor: Dr. Petros Papagerakis  
Proof-of-concept assays for optimal enamel regeneration

Shahrzad Nouri, University of Toronto  
Supervisor: Dr. Bernhard Ganss  
A novel model system to study the matrix-mediated attachment of epithelial cells to mineralized tooth surfaces

Zeeshan Sheikh, Dalhousie University  
Supervisor: Dr. Nader Hamdan  
A new way to improve bone defect repair and regeneration: Bone anabolic conjugates (C3 and C6) with a deproteinized bovine bone mineral xenograft (Bio-Oss®)

Xinyun Su, McGill University  
Supervisor: Dr. Simon Tran  
Cell Extract from Human Bone Marrow Mitigates Irradiation-injured Salivary Glands

SENIOR CLINICAL/PRE-CLINICAL RESEARCH CATEGORY

Abdalgader Alhozgi, McGill University  
Supervisor: Dr. Elham Emami  
Patient Satisfaction with Oral Health Care: Does Rurality Matter?

Babatunde Alli, McGill University  
Supervisor: Dr. Belinda Nicolau  
HIV Modifies the Effect of Tobacco Smoking on Oral Human Papillomavirus Infection

Maryam Elyasi, University of Alberta  
Supervisor: Dr. Maryam Sharifzadeh-Amin  
Modeling the Theory of Planned Behaviour to Predict Preschoolers’ Dental attendance

Gillian Landzberg, University of Toronto  
Supervisor: Dr. Anil Kishen  
A Novel Self-Mineralizing Antibacterial Tissue Repair (SMART) Varnish to condition dentin in microsurgery

Iris Lin, University of British Columbia  
Supervisor: Dr. Denise Laronde  
Determining the Malignant Nature of Dysplasia in Oral Lichenoid Lesions

Trainees working in dental and oral health research in Canada applied for the Unilever/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 26 dental researchers from across Canada, based on the criteria applied by the IADR Hatton judging committee.