

# One Health Approach to Oral Cancer and Evaluation of S100A7 as a Predictor of Malignant Transformation from Oral Potentially Malignant Lesions (OPML)



Celina Tang (ctang297@uwo.ca)  
4<sup>th</sup> Year HSP One Health Undergraduate  
Department of Pathology and Laboratory Medicine  
Schulich School of Medicine & Dentistry, Western University,  
London, ON, Canada



# One Health Approach to Oral Cancer

- **OPMLs** → **Oral Squamous Cell Carcinoma (OSCC)**
  - Need to improve prevention, diagnosis, and treatment
- **Goal:** To evaluate how oral cancer and time of diagnoses affects humans and animals and how the environment contributes to oral cancer
- **Thesis:**
  1. Research Project
    - S100A7 protein as biomarker
  2. Literature Review
    - Environmental and socio-economic risk factors
  3. Identification of Key Stakeholders

