Department of Genetics
University of Delhi South Campus

Benito Juarez Marg
New Delhi-110021
+91-11-24117399
amitdutt@south.du.ac.in
https://genetics.du.ac.in
https://amitduttlab.com

TATA MEMORIAL CENTRE- ACTREC
https://www.actrec.gov.in/dr-amit-dutt

Prof. Amit Dutt
Cancer Genetics

New Delhi, 30 August 2024

Sub: Declaration by the applicant

This is to certify that all the following research work on tongue cancer characterization presented for the consideration of *Sun Pharma Award for Medical Sciences- Basic Research* were undertaken in my laboratory at ACTREC- Tata Memorial Centre. Subsequently, I joined the Dept of Genetics, University of Delhi South Campus. This work has not been submitted for consideration of any other award.

Extent of the contribution of the others associated with the research

1. Dharavath B, Butle A, Pal A, Desai S, Thorat R, Upadhyay P, Nair S, **Dutt A***. *UBEC3-LRP5* Fusion is a Novel Oncogenic Driver in Head and Neck Cancer with Therapeutic Implications. ***npj Precision Oncol*** *2024.* **Patent:** Temp/E- 8000 1/63425/2023-MUM

2. *miR-944/MMP10/AXL*- axis Mediates Lymph Node Metastasis in Early-Stage Tongue Cancer. Dharavath, B, Butle A, Pal A, Desai S, Upadhyay P, Rane A, Khandelwal R, Manavalan S, Thorat R, Sonawane R, Vaish R, Gera P, Bal M, D'Cruz AK, Nair S, **Dutt A***. ***Communications Biology*** 2023**.**

3. Desai S, Dharavath B, Manavalan S, Rane A, Redhu AK, Sunder R, Butle A, Mishra R, Joshi A, Togar T, Apte S, Bala P, Chandrani P, Chopra S, Bashyam MD, Banerjee A, Prabhash K, Nair S, **Dutt A***. Fusobacterium nucleatum is associated with inflammation and poor survival in early-stage HPV-negative tongue cancer. ***NAR Cancer***. 2022 Mar 4;4(1):zcac006.

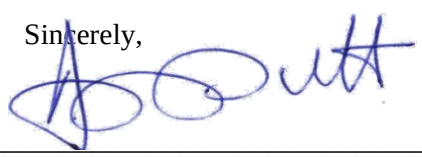
4. Upadhyay P, Gardi N, Desai S, Chandrani P, Joshi A, Dharavath B, Arora P, Bal M, Nair S, **Dutt A***. Genomic characterization of tobacco/nut chewing HPV-negative early stage tongue tumors identify MMP10 as a candidate to predict metastases. ***Oral Oncol***. 2017 Oct;73:56-64.

5. Upadhyay P, Nair S, Kaur E, Aich J, Dani P, Sethunath V, Gardi N, Chandrani P, Godbole M, Sonawane K, Prasad R, Kannan S, Agarwal B, Kane S, Gupta S, Dutt S, **Dutt A***. Notch pathway activation is essential for maintenance of stem-like cells in early tongue cancer. ***Oncotarget***. 2016 Aug 2;7(31):50437-50449.

6. Chandrani P, Kulkarni V, Iyer P, Upadhyay P, Chaubal R, Das P, Mulherkar R, Singh R, **Dutt A***. NGS-based approach to determine the presence of HPV and their sites of integration in human cancer genome. ***Br J Cancer***. 2015 Jun 9;112(12):1958-65.

All the above work were conceptualized by me and performed under my direct supervision by the graduate students from my laboratory, who are the lead authors, in collaboration with Dr Sudhir Nair, our clinical collaborator, who made the clinical specimens available for the study.

Sincerely,



दिल्ली विश्वविद्यालय, साउथ कैम्पस,
बेनिटो जुआरेज़ रोड, धौला कुआँ,
नई दिल्ली- 1100021
फ़ोन: 011-24157179, 24112761

University of Delhi, South Campus,
Benito Juarez Road, Dhaula Kuan,
New Delhi – 110 021
Phone: 011-24157179, 24112761