# Debarka Sengutpta, Ph.D.

**DEBARKA SENGUPTA**
FNASc., Humboldt Fellow, Inst. Chair

Assoc. Professor, Comp. Bio. and Comp. Sc.
Head, Infosys Centre for AI
Assoc. Dean, Innovation Research & Development
IIIT - Delhi

Adj. Prof.
QUT - Brisbane

A306, R&D block
IIIT-Delhi
Okhla Phase 3
Delhi 110020
Emails: debarka@iiitd.ac.in;

T: +91 11 2690 7446

Date: Aug 31, 2024

**Statement of Research Achievements, if any, on which any Award has already been Received by the Applicant. Please also upload brief citations on the research works for which the applicant has already received the awards (Max. 1 MB)**

**2024: Humboldt Research Fellowship (Experienced Researcher)**
This is based on a proposal titled: "Harnessing Knowledge Graphs for Interpretable Cancer Drug Response Inference." Further the overall research and publication track record helped in this.

**2023: Institute Chair Professor (Inaugural), IIIT-D**
Overall body of work in computational genomics and precision oncology.

**2023: MERCK Young Scientist Award (Winner in Biological Sciences category), Merck India**
Overall work in the domain of oncology (precision oncology and liquid biopsy).

**2023: Adjunct Professor, QUT Brisbane**
Overall work in the domain of oncology (precision oncology and liquid biopsy).

**2023: Elected Fellow, The National Academy of Sciences, India**
Overall body of work and for pioneering single cell genomics research in India.

**2022: INAE Young Innovator and Entrepreneur Award**
We applied an ensemble of feature selection techniques to deduce a 11 tumor educated platelet (TEP) gene panel which detects early onset of cancer with 97% accuracy, using state of the art classification algorithms. The panel has been experimentally validated at AIIMS-Delhi on NSCLC patients (Goswami et al., BMC Genomics 2020). This work resulted in a technology transfer (to CareOnco Biotech Pvt. Ltd.) and recognition through the INAE Young Innovator & Entrepreneur Award in 2022.

**2015: INSPIRE Faculty Fellowship**

I received the INSPIRE faculty fellowship to work on developing fast and accurate algorithms for single cell expression data analysis. This was not in recognition of any specific work.

Sincerely,
***Debarka Sengupta***