

Saket Vatsa Mishra

[DNA Repair and Molecular Oncology Group- Shilpee Lab](#)

Tata Memorial Centre-Advanced Centre for Treatment, Research and Education in Cancer (TMC-ACTREC), Kharghar, Navi Mumbai-410210, Maharashtra, India

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Graduate student working with Dr. Shilpee Dutt on understanding the molecular mechanisms of altered DNA damage repair pathways that derives the resistance in Acute Myeloid Leukemia.

Education

All India Institute of Medical Sciences (AIIMS), New Delhi Masters of Biotechnology with First class (65.66%), Department of Biotechnology	2014- 2016
Swami Shraddhanand College (University of Delhi), New Delhi B.Sc. (H) Microbiology with First class Honours (74.45%), Department of Microbiology	2011- 2014
Schooling from Army Public School, Gorakhpur, Uttar Pradesh Class X (CBSE) - 83.8% Class XII (CBSE) - 83.2%	2008 2010

Research Experience

- August 2016- Present: Ph.D. at TMC-ACTREC, Mumbai

Project Title: Understanding the molecular mechanism of leukemia resistance using cellular and pre-clinical mouse model. Supervisor: Dr. Shilpee Dutt

- May 2015- February 2016: Master's Dissertation at Department of Medical Oncology, IRCH, All India Institute of Medical Science, New Delhi.

Project Title: To enumerate NK cell Population in Chronic Myeloid Leukemia patients at diagnosis and post treatment. Supervisor: Prof. (Dr.) Lalit Kumar

Publications (# equal contribution)

1. Nuclear localization of p65 reverses therapy induced senescence. Sameer Salunkhe, **Saket V. Mishra**, Jyothi Nair, Sanket Shah, Nilesh Gardi, Rahul Thorat, Debashmita Sarkar, Jacinth Rajendra, Ekjot Kaur, Shilpee Dutt*. *Journal of Cell Science* 2021 [PMID: 33526713](#)
2. Metabolic rewiring in drug resistant cells exhibit higher OXPHOS and fatty acids as preferred major source to cellular energetics. Sameer Salunkhe#, **Saket V Mishra**#, AtanuGhorai, Aarti Hole, Pratik chandrani, Amit Dutt, Murali Chilakapati, Shilpee Dutt*. *BBA-Bioenergetics* (2020) [PMID: 32858000](#)
3. Raman Spectroscopy Based Detection of RNA Viruses in Saliva: A Preliminary Report. Sanket Desai#, **Saket V Mishra**#, Asim Joshi#, Debashmita Sarkar, Arti Hole, Rohit Mishra, Shilpee Dutt, Murali Krishna Chilakapati, Sudeep Gupta, Amit Dutt. *Journal of Biophotonics* (2020 Jul 1) [PMID: 32609429](#)
4. Inhibition of SETMAR-H3K36ME2-NHEJ repair axis in residual disease cells prevent glioblastoma recurrence. Kaur E, Nair J, Ghorai A, **Mishra SV**, Achareker A, Ketkar M, Sarkar D, Salunkhe S,

- Rajendra J, Gardi N, Desai S, Iyer P, Thorat R, Dutt A, Moiyadi A, Shilpee Dutt*. *Neuro Oncology*. (2020 May 27) [PMID: 32458986](#)
5. Inhibition of novel GCN5-ATM axis restricts the onset of acquired drug resistance in leukemia. Salunkhe S, **Mishra SV**, Nair J, Ghosh S, Choudhary N, Kaur E, Shah S, Patkar K, Anand D, Khattry N, Hasan SK, Dutt S*. *International Journal of Cancer*. (2018 May 15) [PMID: 29297932](#)

Honours and Awards

- **Carl Storm International Diversity** Fellowship Award by Gordon Research Conferences to present work at the GRC-Mammalian DNA Repair meeting 2021
- Competitive **DMM Conference Travel Grant 2021** from The Company of Biologists to attend GRC-Mammalian DNA Repair meeting 2021
- **Best Oral Presentation** at the 16th National Research Scholars Meet, held in December 2020 at ACTREC, Mumbai
- Awarded **Senior Research Fellowship (DBT-JRF)** funded by Department of Biotechnology, Government of India: 2018
- Selected for **Lower Saxony International Summer Academy (LISA)** in Immunology at the Hannover Biomedical Research School (HBRS) of the Hannover Medical School in Hannover, Germany from August 14th – September 4th, 2016.
- Awarded **Junior Research Fellowship (DBT-JRF)** funded by Department of Biotechnology, Government of India: 2016
- Secured **29th rank** in All India National Eligibility Test for **Lectureship** conducted by Council of Scientific and Industrial Research – University Grants Commission, Government of India in December 2015, to become a Lecturer in any Indian University.
- Secured **All India Rank 272 (97.02 percentile)** in Graduate Aptitude Test in Engineering (**GATE-2016**) for admission to Postgraduate Courses (Master's and Doctoral) with MHRD and other Government Scholarships / Assistantships in Engineering / Technology / Architecture / Science. (*Total 9124 students appeared for the exam*)
- Awarded **fellowship** by Department of Biotechnology, Government of India, to pursue Post □ Graduate studies in Biotechnology at AIIMS, New Delhi: 2014-2016
- Secured **4th rank in National Level Entrance Exam** conducted by All India Institute of Medical Sciences for Post Graduate studies in Biotechnology: June 2014 (*Approximately 10,000 students appeared for the exam*)
- B.Sc. (Hons.) Microbiology **Merit Award**, stood 2nd in the class: 2012

Declaration

I, Saket Vatsa Mishra, hereby declare that all the details furnished above are true to the best of my knowledge.

Reference:

Shilpee Dutt, PhD
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Principal Investigator
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