

Saurav Kumar

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Curriculum Vitae

Achievements

1. Publications

- Saadi F, Chakravarty D, **Kumar S**, Kamble M, Saha B, Shindler KS, et al. (2021) CD40L protects against mouse hepatitis virus-induced neuroinflammatory demyelination. *PLoS Pathog* 17(12): e1010059. <https://doi.org/10.1371/journal.ppat.1010059>

2. Book Chapter

- **Saurav Kumar**, Vaishali Mulchandani, Anurag Banerjee, Jayasri Das Sarma. “Interplay Between Redox Homeostasis and Oxidative Stress in the Perspective of Ovarian and Cervical Cancer Immunopathogenesis”. *Handbook of Oxidative Stress and Cancer*, 487493_0_En, (Chapter 69-1). Springer Nature, 2021. https://doi.org/10.1007/978-981-15-4501-6_69-1

3. Conferences/Workshops/Webinars

- **Student Organizer:** *December 2021 - XXXIX Annual Meeting of Indian Academy of Neurosciences (IAN) 2021, Theme: "NeuroGlia in Health and Disease.*
- **Participation:** *August 2020 - Bilateral Indo-US Webinar on COVID Biology*
- **Poster Presentation:** *February 2020 – Frontiers in Modern Biology. Saurav Kumar, Vaishali Mulchandani, Sumana Chakravarty, Arvind Kumar, Jayasri Das Sarma. ID8-VEGF cells induced metastasis in mice could be a pre-clinical model to study modulation of tumor microenvironment in Ovarian Cancer.*
- **Poster Presentation:** *December 2019 – Indo-US symposium, New Insights into inflammation, Immunity, and Pathology of Diseases. Saurav Kumar, Vaishali Mulchandani, Sumana Chakravarty, Arvind Kumar, Jayasri Das Sarma. ID8-VEGF cells induced metastasis in mice could be a pre-clinical model to study modulation of tumor microenvironment in Ovarian Cancer.*
- **Poster Presentation:** *March 2019 - First Annual Meeting of Kolkata Gynaecological Oncology Trials and Translational Research Group (KolGOTrg). Saurav Kumar, Vaishali Mulchandani, Asima Mukhopadhyay, Jayasri Das Sarma. A pilot experiment to characterise cervical cancer cell lines and study the effect of radiomimetic drug-Bleomycin.*

4. National Level Exams

- December 2017- Qualified Council of Scientific & Industrial Research- National Eligibility Test (CSIR-NET) with **All India Rank 78**
- February 2017 - Qualified Joint Admission Test for M.Sc. (JAM) with **All India Rank 46.**

Other Experience

1. Teaching Assistantship

- **Advanced Biochemistry and Cellular Metabolism** course offered by Department of Biological Sciences, IISER Kolkata
- **Neurobiology** course offered by Department of Biological Sciences, IISER Kolkata

2. Management

- Part of student organizing team for XXXIX Annual Meeting of Indian Academy of Neurosciences (IAN) 2021, Theme: "NeuroGlia in Health and Disease.

Current Research

The prime focus of my research is to investigate the therapeutic effects of phytomedicine (Stem bark extract of *Azadirachta indica* and its available bioactive compounds) against Cervical cancer. I am working to find the therapeutic approaches to use natural compounds alone or in combination with conventional chemotherapeutic drug to increase their efficacy and reduce the chemotherapy associated side effects.

Academic Qualifications

Year	Qualification	School/College	University/Board	CGPA/Percentage
2017 - Present	Integrated Ph.D. in Life Sciences	Department of Biological Sciences	IISER Kolkata	9.04
2017	B.Sc. (Hons. School) in Biochemistry	Department of Biochemistry	Panjab University	75%
2014	Class 10+2 (Medical + Mathematics)	Government Model Senior Secondary High School Sec-35D, Chandigarh	CBSE	91.4%
2012	Class 10	Government Model High School Sec-37D, Chandigarh	CBSE	9.6