

Curriculum Vitae

Fareeha Saadi

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Academic Qualification (Undergraduate Onwards)

University/Institution	Specialization	Degree & Year
Osmania University	Biotechnology, Microbiology, Chemistry	BSc 2014
IISER Kolkata	Biological Sciences	IPhD 2014-till date

Work experience (in chronological order)

Position	Division/ Department	University/Institution	From (Month Year)	To (Month Year)
UG Project Fellow	Genetics	AIG, Hyderabad	May 2013	November 2013
MS Fellow	DBS	IISER Kolkata	May 2015	July 2016
Junior Research Fellow	DBS	IISER Kolkata	August 2016	July 2018
Senior Research Fellow	DBS	IISER Kolkata	August 2018	Till Date

Professional Recognition/ Award/ Prize/ Certificate, Fellowship

- **Proficiency 1st Prize** in B.Sc.
- **SPECTRUM Prize** for securing **highest marks in Biotechnology** theory and practical during B. Sc.
- **National level competitive examinations:**
 1. **JGEEBILS 2014-** For admission into the Integrated Ph.D. course
 2. **CSIR-UGC NET JUNE 2016:** Subject: Life Sciences. All India Rank: **66**.
- **Won Sutti Nag prize** for the **Best Paper presented in the Poster session**, titled, **“Protective function of CD40 in Mouse Hepatitis Virus (MHV)- induced demyelination”** in the **35th Annual conference of Indian Academy of Neurosciences**, organized by Ravenshaw University, Cuttack, Odisha; India. 29-31 October 2017.
- **Received the Department of Biotechnology, Government of India, Travel Award** for attending **IMMUNOLOGY 2019** Conference.
- **Won the First Prize** for delivering a platform talk in the ‘**Young Talent Forum**’, titled, **Interplay between Microglia and helper T cell in understanding the cellular and molecular mechanisms of virus induced neuroinflammation”** in the **NeuroUpdate-2019** Meeting at Indian Institute of Chemical Biology, Kolkata. 30th November 2019.

Workshops and conferences attended

- Oral presentation entitled, “**CD40-CD40L interaction is central to m-CoV-RSA59 induced neuroinflammation**” in the *bilateral INDO-US webinar on COVID biology* held during August 16-19, 2020.
- Presented a poster, titled “**CD4+ T cells regulate murine Coronavirus induced activation of microglia**” in the *CYTO virtual 2020 organised by International society for advancement of cytometry* held during August 4-5, 2020.
- Presented a poster, titled “**CD4+ T cells regulate Mouse Hepatitis Virus induced activation of microglia**” in the Indo-US Symposium on New Insights into the Inflammation, Immunity, and Pathobiology of Diseases, held at Post Blair, Andaman Islands, India. December 3-8, 2019.
- Presented a poster, titled “**Microglia-helper T cell crosstalk: Insights into the molecular mechanism of Neurodegeneration**” in the *Young Scientist Conference, India International Science Fest*, held at the Biswa Bangla Convention Centre, Kolkata, India. November 5-8, 2019.
- Presented a poster, titled “**CD4+ T cells regulate Mouse Hepatitis Virus induced activation of microglia**” in *IMMUNOLOGY 2019 conference, organized by American Association of Immunologists*, at San Diego Convention Center, San Diego, California, United States. May 9-13, 2019.
- Presented a poster, titled “**CD40 Ligand: a regulator of host immunity to neurotropic virus infection**” in *XLII All India Cell Biology Conference and 2nd International Conference on Trends in Cell and Molecular Biology* at BITS Pilani K K Birla Goa Campus, Goa. December 21-23, 2018.
- Participated in the workshop on Advanced Bioanalytical Methods and Applications in Coordination with American Society for Microbiology (ASM) Undergraduate Global Outreach Program at Gangtok, India. February 24 to March 1, 2018.
- Participated in *Frontiers in Modern Biology (FIMB) symposium 2018*, organized by the Department of Biology, IISER-Kolkata. January 19-21, 2018.
- Presented a Poster, titled “**Protective function of CD40 in Mouse Hepatitis Virus (MHV)-induced demyelination**” in *35th Annual conference of Indian Academy of Neurosciences*, organized by Ravenshaw University, Cuttack, Odisha, India. October 29-31, 2017.
- Participated in *Advances in Life Sciences symposium*, organized by the Department of Biology, IISER-Kolkata. January 13-15, 2017.
- Presented a Poster, titled “**Regulation and Expression of Prion Protein in central nervous system due to Mouse Hepatitis Virus infection**” at *Indo-US symposium on Central Nervous System viral infection and its therapy*. November 14-17, 2016.
- Oral Presentation on "**BIO-INSPIRED DEVICES IN CHEMISTRY**" (UGC-Sponsored National Seminar on BIO-INSPIRED DEVICES (Emerging Trend in Science), organized by the Department of Microbiology, St. Francis College for Women, Begumpet, Hyderabad. January 17-18, 2014.
- Participated in National Chemistry Festival **AMALGAM**, sponsored by UGC, organized by Department of Chemistry, St. Francis College for Women, Begumpet, Hyderabad. September 2011.

Teaching experience:

- Teaching assistant for the **Microbiology practical course**, entitled “Introduction to Biology IV-Practical”, Autumn 2018.
- Teaching assistant for the **Molecular biology practical course** entitled, “Biology laboratory lab VI”, Autumn 2019.

Publications:

CD4 Deficiency Causes Poliomyelitis and Axonal Blebbing in Murine Coronavirus-Induced Neuroinflammation, Debanjana Chakravarty*, **Fareeha Saadi***, Soumya Kundu, Abhishek Bose, Reas Khan, Kimberly Dine, Lawrence C. Kenyon, Kenneth S. Shindler, Jayasri Das Sarma, Journal of Virology Jul 2020, 94 (14) e00548-20; DOI: 10.1128/JVI.00548-20

*Equal contribution

Personal Statement

An enthusiastic, analytical, and hardworking research scholar with acute interest and experience in Neuroimmunology and Neurovirology, seeking to build strong research skills through studies and experiments in a leading research center. My ambition is to eventually have broad-based academic career including teaching, research, and management responsibilities. I am currently working to understand the role of CD40-CD40 Ligand signaling in bridging Innate and Adaptive immune responses in m-CoV induced Neuroinflammation.
