Stanford



Triya Saha

Postdoctoral Scholar, Radiology

Bio

BIO

Dr. Triya Saha is a postdoctoral scholar at Stanford University, Department of Radiology, specializing in tissue engineering, regenerative medicine, biomaterials, therapeutic delivery, and translational biomedical engineering. Dr. Saha earned her Ph.D. in Biological Sciences and Bioengineering from the Indian Institute of Technology Kanpur, India, where her doctoral research focused on developing clinically relevant bioengineered therapeutic platforms for chronic fatty liver disease. Her research involved the development of 3D bioprinted hepatic patches and sprayable bioadhesive hydrogels for targeted delivery of stem cell-derived exosomes, with a focus on tissue regeneration, immunomodulation, fibrosis reversal, and gut-liver crosstalk. Her expertise includes biomaterial design, 3D bioprinting, hydrogel engineering, exosome-based therapeutics, in vitro and in vivo disease models, and translational regenerative medicine.

HONORS AND AWARDS

- Prime Minister’s Research Fellowship, inistry of Education, Government of India (2020-2024)
- ILBS-TATA Emerging Leader (Junior Fellow), ILBS New Delhi (2021)
- Best Poster Presentation Award at BIO-Remedi 2022, Society for Biomaterials and Artificial Organs India (SBAOI) and IIT Guwahati (2022)
- New Generation Innovation and Entrepreneurship Development Centre (NewGen IEDC 2022) Award, Department of Science and Technology (DST), Government of India (2022)
- Bajpai-SAHA Student Award at BioTEX 2023, Society for Biomaterials and Artificial Organs India (SBAOI) (2023)
- Best Oral Presentation Award at Pan-IIT Meeting and Conference on Engineering 2025, IIT Kanpur (2024)
- Best Oral Presentation Award at the 64th Annual Conference of National Academy of Medical Science, AIIMS Jodhpur (2024)
- Dr. Himangshu Roy Memorial Young Scientist Award, The Zoological Society, Kolkata (2024)
- Best Oral Presentation Award at BioMANTHAN 2025, Society for Biomaterials and Artificial Organs India (SBAOI) (2025)
- Best Oral Presentation Award at MIDNAMSCON 2025, IIT Kanpur (2025)
- National Bio Entrepreneurship Competition (NBEC 2025) Student Category, Centre for Cellular and Molecular Platforms (C CAMP) DBT BIRAC, (2025)
- Institute Medal for Best Ph.D. Thesis Award, Indian Institute of Technology Kanpur, India (2026)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Life Member, Society for Biomaterials and Artificial Organs India (SBAOI), SBAOI (2020 - present)
- Life Member, Society for Tissue Engineering & Regenerative Medicine India, STERMI (2020 - present)
- Life member, The Zoological Society, Kolkata (ZSK) (2024 - present)

PROFESSIONAL EDUCATION

- Doctor of Philosophy, Indian Institute of Technology, Kanpur (2026)
- Master of Science, Vellore Institute Technology (2018)
- Master of Technology, Indian Institute of Technology, Kanpur (2026)
- Bachelor of Science, University Of Calcutta (2016)
- Bachelor of Science (B.Sc.), University of Calcutta , Zoology (2016)
- Master of Science (M.Sc.), Vellore Institute of Technology , Biotechnology (2018)
- Master of Technology (M.Tech.), Indian Institute of Technology Kanpur , Bioengineering (2025)
- Doctor of Philosophy (Ph.D.), Indian Institute of Technology Kanpur , Tissue Engineering and Regenerative Medicine (2026)

STANFORD ADVISORS

- Avnesh Thakor, Postdoctoral Faculty Sponsor