

Santanu Bhattacharya

Ranbaxy Research Award (2013) for pharmaceutical advancements



BORN ON APRIL 23, 1958 IN KOLKATA

He is working as a Director of the Indian Institute of Science Education and Research, Tirupati. One of the Indian chemical biologists, he is a former professor in Indian Institute of Science (IISc), Bengaluru. He is a Pioneer in Chemical Biology and Nanotechnology.

Scientific Community Honored Bhattacharya with prestigious awards and recognitions. He is a member of Indian National Science Academy, the Indian Academy of Sciences, and The World Academy of Sciences. He Established a bio-organic and supramolecular chemistry lab at IISc.

Education and Career

- **Early Education:** Bachelor's in Chemistry from Calcutta University; Master's from Rajabazar Science College.
- **Ph.D. & Postdoctoral Research:** Ph.D. in bioorganic chemistry from Rutgers University, USA (1988), under Prof. Robert A. Moss; postdoctoral research at MIT with Nobel Laureate Har Gobind Khorana on membrane protein signal transduction.

- **Academic Roles:** Served as a professor at IISc, Chair of Organic Chemistry, and Director of IACS (2015–2021) before joining IISER-Tirupati (2023).

Awards and Honors

- For his outstanding contributions to chemical sciences, he was honored with **Shanti Swarup Bhatnagar Prize** for Science and Technology.
- From the Department of Biotechnology in 2002, Bhattacharya received the **National Bioscience Award for Career Development**.
- The World Academy of Sciences honored with the **TWAS Prize** in 2010. In 2013, he received the **Ranbaxy Research Award** for his research in pharmaceutical sciences and drug development.
- He was also recognised and awarded **J.C. Bose National Fellowship**.

Research Contributions

- **Gene Delivery Vehicles:** Developing systems to deliver genes for gene therapy.
- **Unnatural Amino Acids & Oligopeptides:** Contributions to molecular biology and pharmaceuticals, applications in medicine and environmental monitoring.
- **DNA Binding Molecules:** Potential cancer therapy targeting G-quadruplex DNA and create Synthetic Natural Product Mimics.