

## Dr. Hemant Agrawal, PhD

*Scientist • Educator • Global Trainer in Flow Cytometry*

Dr. Hemant Agrawal is an internationally recognized immunologist, flow cytometry expert, and science educator who has dedicated his career to advancing cutting-edge biomedical research and scientific training worldwide. With postdoctoral training in the United States (Northwestern University, Oklahoma Medical Research Foundation) and doctoral training in Germany (University of Duisburg-Essen), Dr. Agrawal brings a rare combination of global scientific excellence and deep commitment to education.



He has made significant contributions to immunology and inflammatory disease research, with publications in leading journals such as *The Journal of Experimental Medicine*, *Arthritis & Rheumatology*, *Blood*, *Circulation Research*, and *The Journal of Immunology*. His work has helped uncover fundamental mechanisms of autoimmunity, inflammation, sepsis, and immune cell regulation, providing insights that guide modern immunotherapy and disease understanding.

Beyond laboratory science, Dr. Agrawal is a global pioneer in flow cytometry education. He introduced India's first large-scale, structured online certificate programs in flow cytometry, and has personally trained thousands of students, researchers, and clinicians across Asia, Africa, Europe, and North America through more than 85 on-site workshops and 40 international online programs. His teaching is known for transforming complex cytometry into clear, practical, and career-building knowledge.

He also played a historic role in bringing advanced flow cytometry technologies to developing scientific communities—including the introduction of FlowJo, FCS Express, spectral flow cytometry, and other modern technologies in India, and the establishment of a plant flow cytometry facility in Kenya through the Instrument for Science (I4S) Task Force of the International Society for Advancement of Cytometry (ISAC).

As Founder and Director of Flowcytometry Solutions Pvt. Ltd., Dr. Agrawal built one of South Asia's most respected cytometry education and consulting platforms, helping students and institutions move from basic training to high-impact research and successful careers.

Recognized with awards such as the Impactful Educationalist Award and the Flow Cytometry Star Award, and serving on international scientific committees of ISAC, PLOS One, Frontiers, and academic boards, Dr. Agrawal continues to shape the future of biomedical education and research globally.

For students, Dr. Hemant Agrawal exemplifies how scientific excellence, global vision, and a passion for teaching can unite to turn knowledge into a truly impactful career.