

Scientist Profile

- **Name** : Dr. Parveen Kumar
- **Designation** : Scientist-B
- **Discipline/research area:** Mechanism of infectious diseases and cancer, Antimicrobial Resistance (AMR), Signal Transduction, Posttranslational modifications, Protein interaction networks, Proteomics and Systems biology.
- **ORCID ID** : 0000-0001-6857-2425, **h-index** = 02
- **Address (off.):** ICMR-National Institute of Pathology
Safdarjung Hospital campus,
New Delhi-110029
- **Telephone (off.):**
- **Email address :** parveen.k03@icmr.gov.in
- **Educational Qualifications:**

Ph.D. (Molecular Cell Biology)

Lab. of Cell Death and Cell Survival,
Centre for DNA Fingerprinting and Diagnostics, Hyderabad, India.

Master of Science (M.Sc.) (Biotechnology)

Jawaharlal Nehru University, New Delhi, India.

Bachelor of Science (B.Sc.) (H) Biomedical Science

University of Delhi, New Delhi, India.

- **Research Experience:**

ICMR- National Institute of Pathology (NIP), New Delhi, India

2022- till date

Scientist-B

Cambridge Institute for Medical Research, University of Cambridge

2021-2022

Postdoctoral Fellow; Supervisor: Professor David Rubinsztein FMedSci, FRS

- Systematic identification and validation of druggable genome targets for neurodegenerative diseases.

Centre for DNA Fingerprinting and Diagnostics, Hyderabad, India

2020-2021

Postdoctoral Fellow; Supervisor: Dr. Maddika Subba Reddy

- Investigating the role of protein phosphatases in mTOR signaling.

Centre for DNA Fingerprinting and Diagnostics, Hyderabad, India

2013-2020

Graduate Researcher; Supervisor: Dr. Maddika Subba Reddy

- Studies on the functional interactome of human serine/threonine family of phosphatases.
- Understanding the protein-protein interaction network of the human protein tyrosine phosphatase family.

Centre for DNA Fingerprinting and Diagnostics, Hyderabad, India

2011-2013

Junior Research Fellow; Supervisor: Dr. J Nagaraju

- Identification, characterization, and functional validation of long non-coding RNAs in silkworms.

Jawaharlal Nehru University, New Delhi, India

2010-2011

M.Sc. dissertation; Supervisor: Dr. Uttam Pati

- Sub-Cloning, Expression, and Purification of hypoxia-inducible factor 1 α (HIF1 α).

- **Awards :**
 - Foreign travel grant from Council of Scientific and Industrial Research (CSIR)
 - Foreign travel grant from the Department of Biotechnology (DBT)
 - Junior and Senior Research Fellowship by Council of Scientific and Industrial Research (CSIR)
 - All India 5th rank in Graduate Aptitude Test in Engineering (GATE), 2011

- **Membership/Fellowship of Professional Societies/Associations :**

- **Publications:** 03

- **10 best publications:**
 1. **Kumar, P.**, Tathe, P., Chaudhary, N. & Maddika, S. PPM1G forms a PPP-type phosphatase holoenzyme with B56delta that maintains adherens junction integrity. *EMBO Rep* 20, e46965 (2019). **(Impact Factor: 9.42)**
 2. **Kumar, P. et al.** A Human Tyrosine Phosphatase Interactome Mapped by Proteomic Profiling. *J Proteome Res* 16, 2789-2801 (2017). **(Impact Factor: 5.37)**
 3. **Kumar, P.** and Maddika, S. Cellular Dynamics Controlled by Phosphatases. *J Indian Inst Sci* 97, 129-145 (2017). **(Impact Factor: 2.46)**

- **Book Chapters:**

- **Projects :**
 - Ongoing

 - Completed