

CURRICULUM VITAE

Name: **Dr. Neeraj Kumar**

Designation: Scientist 'D'

Discipline/Research area: Immunology & Immunogenetics of autoimmune diseases, environmental and maternal health

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Education Qualification: M.Sc., Ph. D.

Research Experience:

Duration	Research Institution	Position
Sep 2019 onwards	ICMR-National Institute of Pathology, Safdarjang Hospital Campus, New Delhi	Scientist-D
Feb 2015- Aug 2019	ICMR-National Institute of Pathology, Safdarjang Hospital Campus, New Delhi	Scientist-C
March 2010 – Jan 2015	Dept Transplant Immunology & Immunogenetics, All India Institute of Medical Sciences, New Delhi	Senior Research Officer
June 2007 – Feb 2010	Dept Transplant Immunology & Immunogenetics, All India Institute of Medical Sciences, New Delhi	Research officer

Awards:

1. Best Poster Award in 8th FIMSA/ IIS Advanced Immunology Course, New Delhi, India March 1-5, 2006.
2. Best Oral Presentation award in 33rd Annual Conference of the Australasian and South East Asian Tissue Typing Association (ASEATTA-2009), New Delhi, India November 12-15, 2009.
3. Best Oral Presentation Award in 5th Federation of Immunological Societies of Asia-Oceania (FIMSA) Congress, New Delhi, March 14-17, 2012.

Memberships:

- 1) Life member, Indian Society for Histocompatibility and Immunogenetics (ISHI).
- 2) Life member, Indian Immunology Society (IIS).
- 3) Life member, Type 1 Diabetes Genetic Consortium (T1DGC).

Publications: **International: 28, National: 2**

10 Best Publications:

1. Gupta A, Atanasov AG, Li Y, **Kumar N**, Bishayee A. Chlorogenic acid for cancer prevention and therapy: Current status on efficacy and mechanisms of action. *Pharmacol Res.* 2022 Dec;186:106505. doi: 10.1016/j.phrs.2022.106505. Epub 2022 Oct 13. PMID: 36243332. **(IF: 10.33, Citation: 1)**
2. Chuzho N, **Kumar N**, Mishra N, Tandon N, Kanga U, Kaur G, Singh P, Mishra G, Sharma S, Mehra NK. Differential HLA Association of GAD65 and IA2 Autoantibodies in North Indian Type 1 Diabetes Patients. *J Diabetes Research*, vol. 2021, Article ID 4012893, 13 pages, 2021. **(IF: 4.06)**
3. **Kumar N**, Mehra NK, Kanga U, Kaur G, Tandon N, Chuzho N, Mishra G, Neolia SC. Diverse human leukocyte antigen association of type 1 diabetes in north India. *J Diabetes.* 2019 Sep;11(9):719-728 **(IF:4.54, Citations: 5)**
4. **Kumar N**, Kaur G, Tandon N, Kanga U, Mehra N. Genomic evaluation of HLA-DR3+ve haplotypes associated with type 1 diabetes. *Ann N Y Acad Sci.* 2013 Apr; 1283(1): 91-6. **(IF: 6.5, Citations: 11)**
5. **Kumar N**, Kaur G, Tandon N, Mehra N. Tumor necrosis factor-associated susceptibility to type 1 diabetes is caused by linkage disequilibrium with HLA-DR3 haplotypes. *Human Immunology* 2012; **73**: 566–573. **(IF: 2.21, Citations: 19)**
6. **Kumar N**, Sharma G, Kaur G, Tandon N, Bhatnagar S, Mehra N. Major Histocompatibility Complex class I chain related gene-A (MIC-A) microsatellite polymorphism shows secondary association with Type 1 diabetes and Celiac Disease in North Indians. *Tissue Antigens* 2012; **80**: 356-362. **(IF: 9.2, Citations: 17)**
7. Mehra NK, **Kumar N**, Kaur G, Kanga U, Tandon N. Biomarkers of susceptibility to type 1 diabetes with special reference to the Indian population. *Ind J Med Res*, March 2007; 125, 321-344. **(IF: 5.274, Citations: 53)**
8. **Kumar N**, Kaur G, Tandon N, Mehra NK. Allotyping human complement factor B in Asian Indian type 1 diabetic patients. *Tissue Antigens* 2008; 72(6): 517-524. **(IF: 9.2, Citations: 7)**
9. Morahan G, Kaur G, Singh M, Rapthap CC, Katoch K, **Kumar N**, Mehra NK. Association of variants in the IL12B gene with leprosy and tuberculosis. *Tissue Antigens*, 2007: Vol 69, 234-236. **(IF: 9.2, Citations: 80)**

10. Kaur G, Rapthap CC, **Kumar N**, Kumar S, Neolia S, Mehra NK. Frequency distribution of cytokine gene polymorphisms in the healthy North Indian population. *Tissue Antigens*, 2007 Feb;69 (2):113-20. **(IF: 9.2, Citations: 44)**

Book Chapters:

1. Mehra NK, **Kumar N**. Immunology of Organ and Haematopoietic Stem Cell Transplantation. API Textbook of Medicine, 10th Edition 2015.
2. Prashant Sood, M.S. Bindra, **Neeraj Kumar** and N.K. Mehra. Immunogenetic aspects of recurrent spontaneous abortions. Current Paradigm of Reproductive Immunology, 2009: ISBN: 978-81-308-0373-9 Editors: A. H. Bandivdekar and C. P. Puri

Research Projects:

As Principal Investigator:

1. Old Drugs New Tricks: Drug Repurposing for Psoriasis Treatment Using In-silico Approach (ICMR, 2020-2023)
2. Developing predictive model for the early detection of Intrauterine Growth Restriction (IUGR) in new-borns from polycyclic aromatic hydrocarbons concentration (PAHs) in maternal blood (ICMR, 2019-2022).
3. Integrative analysis of psoriasis transcriptome for identification of potential therapeutic targets (ICMR, 2019-2022)
4. Study of HLA-DR3 and/ or DQ2 restricted CD4+T cells in Type 1 diabetes in North India (SERB, 2016-2019).

As Co-PI/ Co-Investigator

1. Gene fusion markers in prostate cancer – an observational study (ICMR, 2021-2024).
2. Functional characterization of HLA class I restricted T cells in Type 1 diabetes (ICMR-INSERM 2014-2016).