

Short CV- Dr Anoop Kumar

1. Name of the Employee: Dr Anoop Kumar
2. Email id: akumar@nib.gov.in;
3. Designation: Jr Scientist
4. Division/LAB: Vaccine & Antisera Laboratory
5. Educational Qualification: M.Sc. Biotechnology,
PhD Biomedical Sciences
6. Year of Joining: 2016
7. Professional Experience: (Years and Details in brief)
Feb 2016- till date Jr. Scientist, National Institute of Biologicals (NIB),
Ministry of Health & Family Welfare Government of
India, A-32, Sector-62, Noida
Sept, 2011- Sept, 2014 Senior Research Fellow (SRF), Div. Mol. Gen. &
Biochemistry, Institute of Cytology & Preventive
Oncology (ICMR), I-7, Sector -39, Noida.
Sept, 2009- Sept, 2011 Junior Research Fellow (JRF), Div. Mol. Gen. &
Biochemistry, Institute of Cytology & Preventive
Oncology (ICMR), I-7, Sector -39, Noida.
8. Major Publications:
 1. **Anoop Kumar**, Showket Hussain, Gagan Sharma, Lutz Gissmann, Bhudev C Das and Mausumi Bharadwaj. **Identification and validation of immunogenic potential of India specific HPV 16 variant constructs: *In silico* & *in vivo* insight to vaccine development**, *Scientific Reports* 2015 Oct 28;5: 15751.
 2. **Anoop Kumar**, Showket Hussain, Inderjit Singh Yadav, Lutz Gissmann, K. Natarajan, Bhudev C. Das, Mausumi Bharadwaj. **Identification of Human papillomavirus-16 E6 Variation in Cervical Cancer and Their Impact on T and B Cell Epitopes**, *Journal of Virological Methods* Volume 218, 15 June 2015, Pages 51–58.
 3. **Anoop Kumar**, Inderjit Singh Yadav, Showket Hussain, Bhudev C. Das, Mausumi Bharadwaj; **Identification of immunotherapeutic epitope of E5 Protein of Human Papillomavirus-16: an *in silico* approach**, *Biologicals*, Volume 43, Issue 5, September 2015, Pages 344-348.
 4. **Anoop Kumar**, Roma Pandey, Inderjit Singh Yadav, Mausumi Bharadwaj **Structural and epitope analysis (T- and B-cell epitopes) of Hepatitis C Virus (HCV) glycoproteins: an *in-silico* approach**, *Journal of Clinical and Experimental Hepatology* Volume 8, Issue 4, December 2018, Pages 352-361
 5. **Anoop Kumar***, Manoj Kumar, Deepika Paliwal, Aakanksha Yadav, Reba Chhabra, Surinder Singh; **Methods for Hepatitis C Virus Genotyping and Diagnosis: An Update**, *Indian J Med Res* 2018, Volume :147, Issue : 5, 445-455
 6. Vineeta Sharma, Subash Chandra Sonkar, Anoop Kumar, Pallavi Singhal, V.G.Ramachandran, Roopa Hariprasad, Daman Saluja, Mausumi Bharadwaj,



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- Functional Impact of Allelic Variations/Haplotypes of TNF- α on Reproductive Tract Infections in Indian Women, *Scientific Reports*
7. Bharti Gupta, S. L. Balakrishna, **Anoop Kumar** & Parikipandla Sridevi, **Prevalence of Human Papillomavirus 16 genotype in Anuppur District, Madhya Pradesh** Molecular Biology Report.
 8. Upma Sharma, Pallavi Singhal, Kapil Bandil, Rajeshwar Patle, **Anoop Kumar**, Kausar Neyaz, Surojit Bose, Ajay Kumar Dewan, Ravi Mehrotra Veena Sharma, Mausumi Bharadwaj; **Genetic variations of TLRs and their association with HPV/EBV, co-infection along with nicotine exposure in the development of premalignant/malignant lesions of the oral cavity in Indian population**. *Cancer Epidemiol.* 2019 May 23;61:38-49.
 9. Upma Sharma, Pallavi Singhal, Kapil Bandil, **Anoop Kumar**, Surojit Bose, Puneet Ahuja, Moulshree Kohli, Ajay K Dewan, Juhi Tayal, Basu D Banerjee, Aditya Prasher, Ravi Mehrotra, Veena Sharma, **Genetic variations of IL-10: Identification of novel variations and evaluation of the impact of the SNPs/haplotype in the promoter region with the progression of Oral Squamous Cell Carcinoma in Indian population**, *Cytokine* (2017) 10.1016/j.cyto.2017.09.016.
 10. Manoj Kumar Rajput, **Anoop Kumar**, Aakanksha Yadav, Deepika Paliwal, Tripti Sharma; **Influx of recombinant insulin and its analogues for management of diabetes in India** *International Journal of Diabetes in Developing Countries* (2017). doi:10.1007/s13410-017-0552-7.
 11. Alpana K Gupta, Mausumi Bharadwaj, **Anoop Kumar**, Ravi Mehrotra, **Spirooxindoles as a promising class of small molecule inhibitors of p53-MDM2 interaction useful in targeted cancer therapy**. *Top Curr Chem (Z)* (2017) 375:3.
 12. Pallavi Singhal, **Anoop Kumar**, Showket Hussain, Alo Nag and Mausumi Bharadwaj. **NFKB1/NFKB1a polymorphisms are associated with the progression of cervical carcinoma in HPV infected postmenopausal women from rural area**, *Tumor Biol.* 36 (8), 6265-6276, 2015.
 13. Pallavi Singhal[#], **Anoop Kumar**[#], Soham Bharadwaj[#], Showket Hussain and Mausumi Bharadwaj. **Association of IL-10 GTC haplotype with serum level and HPV infection in the development of cervical carcinoma**, *Tumor Biol.* April 2015, Volume 36, Issue 4, pp 2287-2298.
 14. Upendra N. Dwivedi, Priyanka Singh, Veda P. Pandey, **Anoop Kumar**. **Structure–function relationship among bacterial, fungal and plant laccases**. *Journal of Molecular Catalysis B: Enzymatic* 2011;68 (2):117-128.
 15. **Anoop Kumar**, Inderjit Singh Yadav, Showket Hussain, Bhudev C. Das, Mausumi Bharadwaj; **Analyzing the effect of identified HPV-16 variants on immune response for the development of effective vaccine**. *Journal of Carcinogenesis*, Volume 11, Supplement 1, 2012

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16. **Anoop Kumar**, Showket Hussain, Pallavi Singhal, Shweta Sharma, Bhudev C Das and Mausumi Bharadwaj. **Evaluation of Toll Like Receptors (TLR) 9 Polymorphism in Cancer of Uterine Cervix in North Indian Population.** Journal of Carcinogenesis, Volume 11, Supplement 1, 2012.
17. Anoop Kumar, Jaishabanu Ameeramja; Cell viability & Apoptotic assays to assess drug efficacy; Protocol Handbook for Cancer Biology.

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