ASHISH CHANDRA TRIVEDI, Ph.D. (Dept. of Biotechnology & faculty of Applied Sciences)

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Dr. Ashish Chandra Trivedi, Ph.D. awarded in the Department of Biotechnology (Faculty of Applied Sciences) title of thesis on **"**Co-expression study and Drug target identification for Helicobacter pylori using gene expression data analysis **".** Having specialization in microarray analysis offering over 10+ years of experience in CRO environment followed by diverse areas of clinical Genomics, genetics, Drug Discovery informatics and Pharma domain (Bioinformatics, Systems Biology, Microarray, NGS, Statistics, Translational Medicine, Oncology).

Having experience in clinical genomics technology like microarray and NGS experiment including writing the project proposals for microarray/NGS experiments. Proven expertise in analyzing chromosomal microarray, QF-PCR and NGS data and provide data analysis support and get biological contextualization of significant genes. Deep working knowledge of open source and license software's used for genomics data analysis.

ACADEMICS

Ph.D. – Department of Biotechnology (Faculty of Applied Sciences)

Thesis – Co expression study and Drug target identification for Helicobacter pylori using gene expression data analysis

M.Sc. Bioinformatics, 2007, U.I.E.T., C.S.J.M. Univ. (Campus) Kanpur

B.Sc., 2004, C.S.J.M. University, Kanpur

CAREERGLIMPSE:

Life cell International Pvt Ltd.April 2021- till

(Manager-Molecular Genetics)

- Working as manager in molecular genetics department
- Taking care of Chromosomal Microarray process and reporting
- Handling and assisting in other molecular assays (like QF PCR, CMA, MLPA & Exome projects)

Genes2Me Pvt. Ltd, Gurugram (Sr. Application Scientist-Molecular Genetics)

Sandor Life Sciences Pvt. Ltd (Application Scientist)

Cognizant Technologies Pvt. Ltd (Team Lead (Data Analyst)

INNOVATIVE LIFE DISCOVERIES PVT. LTD. (Application Scientist)

PEERREVIEWEDPUBLICATIONS:

Bharti Kumari, Pratistha Jain, Shaoli Das, SumanGhosal, BibhabasuHazra, Ashish Chandra Trivedi, Anirban Basu, Jayprokas regulated host response to Japanese Encephalitis Virus in microglial cells. Nature Scientific Reports 6, Article number: 20263 (2016), DOI: 10.1038/srep20263. Samuchiwal SK, Tousif S, Singh DK, Trivedi AC et al-A novel peptide interferes with Mycobacterium tuberculosis virulence and survival. FEBS Open Bio. 2014; 4:735–740. doi:10.1016/j.fob.2014.08.001.

Srivastava Prachi, Tiwari Anshul, Trivedi Ashish Chandra, Thakur Vikash Pant, A.B, Saxena, Sandeep - Virtual Screening of Natural and Synthetic Ligands Against Diabetic Retinopathy by Molecular Interaction With Angiopoietin-2. Asia-Pacific Journal of Ophthalmology. July/August 2014 - Volume 3 - Issue 4 - p 257-259.

Anshul Tiwari, Ashish C Trivedi, Prachi Srivastava, AB Pant, Sandeep Saxena - Comparative Modeling of Retinal binding protein-3 and Retinal S-antigen in Eales' Disease and prediction of their binding sites using Computational methods. Journal of Ocular Biology Diseases and Informatics. Springer (2011).

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Ashish Chandra Trivedi, Anshul Tiwari, SmitaRastogi and Prachi Srivastava - Cluster Analysis and Co-expression Study of Helicobacter pylori for Genome-Wide Microarray Expression Data. Journal of Computational Intelligence in BioinformaticsVol. 4 No.1 (2011) pp. 55-61.

Ashish Gupta, Santosh Kumar, Ashish Trivedi, Samantha Vaishnavi, SmitaRastogi, Prachi Srivastava, Ashish Runthala - *In-silico* Microarray Analysis For Helicobacter Pylori Using Gene Expression Data. International Journal of Applied Biology and Pharmaceutical Technology. Vol: I: Issue-3: Page: 1180, Nov-Dec -2010.

Ashish Chandra Trivedi, Anshul Tiwari, and Prachi Srivastava - Identification of Antioxidant Gene in *Caenorhabditis Elegans* Through Computational Approaches. Indian Journal of Scientific Research. Vol:1 No.2 : 15-18,2010

Prachi Srivastava, Ashish Chandra Trivedi, Anshul Tiwari, AlpnaVerma, A.B. Pant - Phylogenetic analysis of poly and nonstructural protein in Japanese Encephalitis virus with another related viral family. ANNALS OF NEUROSCIENCES. VOl.17 No. (2)APRIL Pg. 74-79; 2010.

Srivastava Prachi, Tiwari Anshul, Trivedi Ashish Chandra - Computational Prediction of 3D Structure
for the Matrix Protein2 (BM 2) Of the Influenza B Virus. International Medical and Technological
University Medical Journal “Vol. 1, Issue 1: pg. 22-36; April 2010.
Ashish Chandra Trivedi, Jitendra Narayan, Prachi Srivastava-*Ins-silico* 3D structure prediction of Potyvirus coat protein causing mosaic symptoms on leaves of *Murrayakoenigii*. Journal of Eco-Friendly
Agriculture Vol.4, No. (2) pg. 167-170; 2009.