



**11<sup>th</sup> Symposium on Frontiers in Biomedical Research**  
**Challenges in human health: Diagnosis Prevention and Care**



**Posters to be displayed on Monday February 19 2018**

**Dimension of the Poster board: 4 feet in width and 3 feet in height**

**P01:** UPR and Autophagy crosstalk: Potential Antiviral Strategy against Chikungunya Virus. Nishtha Agrawal<sup>1,2,3</sup>, Madhu Khanna<sup>1</sup>, Ramesh Chandra<sup>4</sup> and Gagan Dhawan<sup>2</sup>

**P02:** Determining the misuse / overuse of Antibiotic in Non Viral Sexually Transmitted Infections. Subash Chandra Sonkar<sup>1,2</sup>, Rekha Bharti<sup>1</sup>, Daman Saluja<sup>2</sup>, Pratima Mittal<sup>1</sup>

**P03:** Cloning, Expression and Purification of MurI of *Neisseria gonorrhoeae*. Chandrika Konwar<sup>1</sup>, Alka Pawar<sup>1</sup>, Uma Chaudhry<sup>2</sup> and Daman Saluja<sup>1</sup>

**P04:** Inflamed and deregulated T-cells in HIV-infected patients cause Tuberculosis-associated Immune Reconstitution Inflammatory Syndrome (TB-IRIS). Chaitenya Verma, Surendra K Sharma<sup>1</sup>, Krishnamurthy Natarajan, Vishnubhatla Sreenivas<sup>2</sup>, Vishwanath Upadhyay<sup>1</sup>, Sanjeev Sinha<sup>1</sup>, Sanjay Ranjan<sup>1</sup>, Narinder K Mehra<sup>3</sup>, Gurvinder Kaur<sup>4</sup>, Smriti Hari<sup>5</sup>

**P05:** Ligand based pharmacophore modeling and virtual screening to identify Mycobacterium tuberculosis pantothenate kinase (Pank). Akriti Sharma, Prakash Jha, and Madhu Chopra\*

**P06:** Delineating the role of Apoptosis in Dendritic cells during *Mycobacterium tuberculosis* infection. Aayushi Singh, Vandana, Krishnamurthy Natarajan

**P07:** Regulation of SUMOylation in Dendritic cells upon *Mycobacterium tuberculosis* infection. Vandana, Aayushi Singh, Krishnamurthy Natarajan

**P08:** Investigating the plant extracts and alkaloids of *Justicia adhatoda*, for anti-mycobacterial activity. Smita Mishra<sup>1</sup>, Manisha Khatri<sup>2</sup>, Varsha Mehra<sup>2\*</sup>

**P09:** Targeting Glutamate racemase of *Mycobacterium tuberculosis*: Experimenting new tricks over old enzyme to tackle antibiotic resistance menace. Alka Pawar<sup>1</sup>, Uma Chaudhry<sup>2</sup> and Daman Saluja<sup>1</sup>

**P10:** Study of co-infection of *Neisseria gonorrhoea*, chlamydia trachomatis and *Trichomonas vaginalis* in patients visiting Safdurjung hospital, New Delhi. Arora G<sup>1</sup>, Sonkar SC<sup>2</sup>, Ali M<sup>1</sup>, Saluja D<sup>1</sup>, Bharti R<sup>2</sup>, Mittal P

**P11:** Toll-Like receptor 5 and its signaling mechanisms of *T. vaginalis* isolates from symptomatic and asymptomatic infected women. Sonal Yadav<sup>1</sup>, Nancy Malla<sup>2</sup>, Rashmi Bagga<sup>3</sup>, Rakesh Singh Dhanda<sup>4</sup> and Manisha Yadav<sup>1\*</sup>

**P12:** Role of inflammasomes in innate immunity of sexually transmitted infections. Bhawna Rathi, Vivek Verma and Manisha Yadav<sup>#</sup>

**P13:** Another reason to go cashless: Currency notes you carry can transmit diseases. Deepali Joon<sup>1,2</sup> Jasleen Kaur<sup>2</sup>, Vidushi Dubey<sup>2</sup>, Manoj Nimesh<sup>2</sup>

**P14:** Radiation Induced Gastrointestinal Syndrome and its modification by HDAC inhibitor (Trichostatin A). Noopur Gupta, Manisha Tiwari<sup>2</sup>, Paban K Agrawala<sup>1</sup>

**P15:** Functional characterization of a molecular motor (terminase enzyme) purified from a mycobacteriophage (PDRPxv). Ritu Arora<sup>1</sup>, Avni Sinha<sup>1</sup>, and Urmi Bajpai<sup>\*</sup>

**P16:** Study of differentially-expressed genes (DEGs) in Argyrisin A, an anti-proliferative drug treated samples of intestinal adenomatous polyps using an integrated bioinformatics analysis. Rishabh Jain and Rekha Kumari<sup>\*</sup>

**P17:** Transcription coregulator SIN-3 regulates ROS mediated autophagy and decline in longevity in *Caenorhabditis elegans*. Renu Pandey, Meenakshi Dwivedi, Daman Saluja<sup>\*</sup>

**P18:** Analysis of Long-Range interactions of human *PRE-PIK3C2B* through Chromatin Capture Assay (4C). Jayant Maini<sup>1</sup>, Kausik Bhattacharya<sup>1</sup>, Ankita Narang<sup>1</sup>, Narendra Kumar<sup>2</sup>, Vani Brahmachari<sup>1</sup>

**P19:** A comparative analysis of the repertoire of histone methyltransferases and demethylases in insects. Parul Gulati, Ankita Narang and Vani Brahmachari

**P20:** Nuclease Resistant Chromatin (NRC): a unique chromatin organization in mealybugs as a correlate of Genomic Imprinting. Surbhi Kohli<sup>1</sup> Ankita Narang<sup>1</sup>. Mohammed Faruq<sup>2</sup>. and Vani Brahmachari<sup>1</sup>

**P21:** Hydrothermal Synthesis of Magnetite Nanoparticles and their Interaction with DNA. Neelam<sup>a</sup>, Mahima Kaushik.

**P22:** Environment friendly Green Synthesis of NiO Nanoparticles: Characterization and Interaction with DNA. Niloy Sarkar<sup>a,b</sup>, Radhey Shyam Sharma<sup>b</sup>, Mahima Kaushk.

**P23:** Sin3 Regulation in presence of Calcium ions. Monika Pathak, Tauheed Hasan and Laishram R. Singh.

**P24:** Generation of Native-Like Protein Aggregates Upon Modification By Homocysteine Thiolactone: New Insights Towards Functional Loss Upon N-Homocysteinylation. Gurumayum Suraj Sharma and Laishram Rajendrakumar Singh\*

**P25:** Why India Needs Vitamin D Supplementation Programme; A one arrow Preventive Approach. Vivek Dixit<sup>1</sup>, James Pegrum<sup>2</sup>, Sahil Batra<sup>2</sup>, Dinesh Dhanwal<sup>3</sup>, Bhavuk Garg.

**P26:** Dissecting the genetic signatures of adaptation in Indian populations in response to geoclimatic factors. Pawandeep Singh<sup>1,3#</sup>, Ankita Narang<sup>1,3,4#</sup>, Binuja Varma<sup>1#</sup>, Bharathram UppiliAravamudan<sup>2</sup>, Anubhuti Tripathi<sup>1</sup>, Roshni Thomas<sup>1</sup>, Gourja Bansal<sup>1,3</sup>, Mohammed Faruq<sup>2</sup>, Indian Genome Variation Consortium, Mitali Mukerji.

**P50:** Coumarin - Potential compound for inhibition of Candida biofilm. Karishma Arora, Meenakshi Dwivedi, Daman Saluja.

**P51:** Wnt gene perturbations: molecular and phenotypic characterization. Prachi Yadav and Adita Joshi

**P52:** Role of Neddylation in regulating immune responses from macrophages during *Mycobacterium tuberculosis* infection. Roopashi Saxena, Vandana and Krishnamurthy Natarajan.

**P53:** Suppression of pro-inflammatory responses in macrophages during *Staphylococcus aureus* infection. Bharati Swami, Chaitanya Verma, and Krishnamurthy Natarajan