

# 9<sup>th</sup> Symposium on Frontiers in Biomedical Research (FBR -2014)

14<sup>th</sup> -16<sup>th</sup> April, 2014

Venue: Conference Hall, Opp. Botany Dept, University of Delhi, Delhi-110007

(Scientific Session)

14.04.2014, Monday (Day 1)

Inauguration 09.00 am-10.00 am

High Tea 10.00 am-10.30 am

Session I: Chairman: Madan Chaturvedi

Plenary Lecture Samir K. Brahmachari 10.30 am-11.30 am

“Open Innovation, Big Data and Crowd Sourcing: The Next Frontier for Biomedical Research”

Session II: Microbes & Health - I 11.30 am-01.30 pm

Chair person: K.Natarajan			
Sl.No.	Invited Lecture	Title	Time
IL-1	Rajendra Prasad	Problem of TB in India. What are the issues?	11.30-12.00noon
IL-2	Rup Lal	Modification of Rifamycin Polyketide Backbone in <i>Amycolatopsis mediterranei</i> Leads to the Production of a New Rifamycin B Analog with an Improved Drug Activity Against Rifampicin-Resistant <i>Mycobacterium tuberculosis</i> strains	12.00-12.30pm
IL-3	Shibnath Majumdar	Fishy route to understand the pathogenicity of <i>A.hydrophila</i>	12.30-1.00pm
	<b>Oral Presentation</b>		
OP-1	Arti Selvakumar	Reciprocal Regulation of Reactive Oxygen Species and phospho-CREB Regulates Voltage Gated Calcium Channel Expression During <i>Mycobacterium tuberculosis</i> Infection	1.00-1.15pm
OP-2	Deepali Joon	Rapid and sensitive loop mediated isothermal amplification assay for the diagnosis of pulmonary tuberculosis	1.15-1.30pm
		<b>Lunch 01.30-2.00pm</b>	

<b>Poster session: 2.00-3.30pm</b>			
<b>Tea: 3.30-3.45pm</b>			
<b>Session III: Microbes and Health – II</b>			
<b>Chairperson: Daman Saluja</b>			
<b>Sl.No.</b>	<b>Invited Lecture</b>	<b>Title</b>	<b>Time</b>
<b>IL-4</b>	<b>Manju Bala</b>	Action plan to respond to emerging XDR <i>Neisseria gonorrhoeae</i> and threat of untreatable gonorrhoea	<b>3.45-4.15pm</b>
<b>IL-5</b>	<b>Pawan Malhotra</b>	Pathogens immune evasion mechanisms	<b>4.15-4.45pm</b>
<b>IL-6</b>	<b>Rajni Gaiind</b>	Carbapenem resistant Enterobacteriaceae: An emerging public health concern in India	<b>4.45-5.15pm</b>
	<b>Oral Presentation</b>		
<b>OP-3</b>	<b>D. Nagarjuna</b>	<i>Escherichia coli</i> : Is it a Commensal or Pathogen?	<b>5.15- 5.30pm</b>
<b>OP-4</b>	<b>Divya Sachdev</b>	Development of in-house PCR assay for co-detection of <i>Chlamydia trachomatis</i> , <i>Neisseria gonorrhoeae</i> and <i>Trichomonas vaginalis</i>	<b>5.30-5.45pm</b>
<b>OP-5</b>	<b>Mohit Vashishta</b>	Regulation of Programmed Death ligand 1 (PDL-1) during strip to cover <i>Pneumoniae infection</i>	<b>5.45-6.00pm</b>

15 <sup>th</sup> April 2014 (Day 2)			
Session IV: <b>Genomics in Biomedical Science</b>			
Chairperson: <b>K. Muralidhar</b>			
Sl.No.	Invited Lecture	Title	Time
IL-7	Dinesh Gupta	Arginine methylation and dephosphorylation in <i>P. falciparum</i> asexual blood stage	9.00-9.30am
IL-8	Vinod Scaria	Personal Genomes to Precision Medicine	9.30-10.00am
IL-9	Shrikant Kukreti	Formation of DNA triple helical structures at genomic locations	10.00-10.30am
	Oral Presentation		
OP-6	Lubna	Antiproliferative and Synergistic Effect of HDAC Inhibitor LBH589 with Topoisomerase Inhibitors in Cervical Cancer HeLa cell line	10.30-10.45am
OP-7	Chandra bhusan Mishra	Development of Novel and Potent Adenosine A <sub>2A</sub> receptor antagonists as potential anti Parkinsonian agents	10.45-11.00am
<b>Tea: 11.00-11.15am</b>			

Session V: <b>Strategies for drug development and prudence in Drug Usage</b>			
Chairperson: <b>Anita Kotwani</b>			
Sl.No	Invited speakers	Title	Time
IL-10	Y.K. Gupta	Translational Pharmacovigilance	11.15-11.45am
IL-11	Pramil Tewari	Safe Drugs	11.45-12.15 pm
IL-12	Shailly Tomar	Strategies for discovering antiviral molecules against Chikungunya and other mosquito-borne RNA viruses	12.15-12.45pm
	Oral Presentation		
OP-8	Vishal Nemaysh	Identification of PDGFR Chemoprints for pharmacophore generation to design the novel PDGFR antagonists for targeting Glioblastoma Multiforme (GBM)	12.45-1.00pm
OP-9	Dinesh Kumar	Antibacterial and Antioxidant potential of metabolite from the bacterium <i>Bacillus licheniformis</i> associated with the Marine Sponge <i>Callyspongia fallax</i> ".	1.00-1.15pm
OP-10	Farah Nawaz	Molecular modelling based design and synthesis of pyrazole derivatives bearing hydrazinecarbothioamide skeleton: search for potential anticancer agents	1.15-1.30pm
<b>Lunch: 1.30-2.00pm</b>			

<b>Poster session: 2.00-3.30pm</b>			
<b>Tea: 3.30-3.45pm</b>			
<b>Session VI: Cancer Biology and Cancer Management</b>			
<b>Chairperson B.S.Dwarakanath</b>			
<b>Sl.No.</b>	<b>Invited Lecture</b>	<b>Title</b>	<b>Time</b>
<b>IL-13</b>	<b>Neerja Bhatla</b>	Cervical Cancer Control in the Community: Will HPV vaccination impact screening?	<b>3.45-4.15pm</b>
<b>IL-14</b>	<b>Neeta Singh</b>	Mitochondriopathy and Epithelial ovarian cancer	<b>4.15-4.45pm</b>
<b>IL-15</b>	<b>Chitra Sarkar</b>	Molecular markers in cancer : Use in clinical practice	<b>4.45-5.15pm</b>
	<b>Oral Presentation</b>		
<b>OP-11</b>	<b>Abhishek Tyagi</b>	Role of AP-1 in Maintenance of Cervical Cancer Stem-like Cells and its Subsequent Targeting by Combination of Curcumin and UV	<b>5.15- 5.30pm</b>
<b>OP-12</b>	<b>Neetika Barbagga</b>	Reactive Oxygen Species Mediate Apoptosis Induced by Demethoxycurcumin in Human glioma U87 cells through Bcl-2 Down-Regulation	<b>5.30-5.45pm</b>
<b>OP-13</b>	<b>Vidhi Vashistha</b>	AR-A 014418 Used against GSK3beta Down regulates Expression of hnRNPA1 and SF2/ASF Splicing Factors	<b>5.45-6.00pm</b>

<b>16<sup>th</sup> April 2014 (Day 3)</b>			
<b>Session VII: Epigenetics and Chromatin reorganization</b>			
<b>Chairperson: Vani Brahmachari</b>			
<b>Sl.No</b>	<b>Invited Lecture</b>	<b>Title</b>	<b>Time</b>
<b>IL-16</b>	<b>Madhulika Srivastava</b>	Organization amidst chaos : regulation of nuclear processes by CTCF	<b>9.00-9.30am</b>
<b>IL-17</b>	<b>K. Natarajan</b>	Dissecting the functional modules in TAF9 for transcriptional activation	<b>9.30-10.00am</b>
	<b>Oral Presentation</b>		
<b>OP-14</b>	<b>Shruti Jain</b>	Does dINO80, a chromatin remodeling protein, regulate multiple developmental genes in Drosophila?	<b>10.00-10.15am</b>
<b>OP-15</b>	<b>Shweta Mendiratta</b>	Analysis of the functional diversity of hINO80, a chromatin remodeling protein	<b>10.15-10.30am</b>
<b>OP-16</b>	<b>Rama Kadamb</b>	Sin3B activation upon stress induced signaling leads to regulation of p53 target genes and damage response pathways	<b>10.30-10.45am</b>
<b>Tea: 10.45-11.00am</b>			

<b>Session VIII: Understanding complex diseases</b>			
<b>Chairperson: Khushu</b>			
<b>Sl.No</b>	<b>Invited Lecture</b>	<b>Title</b>	<b>Time</b>
<b>IL-18</b>	<b>Jayashree Bhattacharjee</b>	The journey in search of endothelial dysfunction with reference to nitric oxide (no) and endothelial nitric oxide synthase (enos) gene polymorphism in preeclampsia	<b>11.00-11.30am</b>
<b>IL-19</b>	<b>Ritu Singh</b>	Atherosclerosis –A multifactorial disease with a genetic pre-disposition?	<b>11.30-12.00 pm</b>
<b>IL-20</b>	<b>Rajiv Bhat</b>	Protein folding, aggregation and disease: Role of chemical chaperones	<b>12.00-12.30pm</b>
<b>IL-21</b>	<b>Rizwan Hasan Khan</b>	Amyloid Induction in Diverse Class of Proteins: Exploiting SDS as a Tool	<b>12.30-1.00pm</b>
	<b>Oral Presentation</b>		
<b>OP-17</b>	<b>Sudhir Chandra</b>	Angiotensin II type 1 receptor gene in Essential Hypertension.	<b>1.00-1.15pm</b>
<b>OP-18</b>	<b>Shruti Mittal</b>	Chaperone-like role of calcium in protein aggregation: An insight into relieving neurodegenerative proteopathies”.	<b>1.15-1.30pm</b>
<b>OP-19</b>	<b>R.S.Ray</b>	Effect of Scopolamine and mecamylamine on oxidative damage and memory dysfunction	<b>1.30-1.45pm</b>

<b>Lunch: 1.45-2.15pm</b>
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<b>Poster session: 2.15-3.30pm</b>
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<b>Tea: 3.30-4.00pm</b>
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**Valedictory session 4.00-5.00pm**

**Session Chairman: B. C. Das**

**Valedictory Address by Shiv Kumar Sarin “Heart of the Liver”**

**Best Poster Presentation Awards.**