

**XL All India Cell Biology Conference
& International Symposium**

on

“Functional Genomics and Epigenomics”

November 17-19, 2016

Jiwaji University, Gwalior

Scientific Program

Date/Day	Time	Program	Speaker/Title
	8:00-9:00 AM		<i>Registration</i>
	9:00-11:30 AM	PL-1	Dr. S.K. Apte, HBNI, Mumbai <i>Molecular basis of radiation-responsive gene expression in Deinococcus radiodurans</i>
		Session-1	
		IL-1	Dr. Tapas Kundu, JNCASR, Bangalore <i>Physiological and pathophysiological roles of multi-functional transcriptional coactivator and chromatin protein, PC4.</i>
		IL-2	Dr. Deepti Deobagkar, Univ Pune <i>DNA methylation as an epigenetic modulator in X aneuploidy and stress</i>
17.11.2016		IL-3	Dr. Shantanu Sengupta, IGIB, New Delhi <i>Epigenetic Alteration in Cardiovascular Disease</i>
		IL-4	Dr. A.S. Sreedhar, CCMB, Hyderabad <i>Oncogene adaptation and addiction to the cancer chaperone, Hsp90: implications in anticancer therapeutics</i>
		IL-5	Dr. Pritha Ray, ACTREC, Mumbai <i>An intricate relation of IGF1R-Akt signaling with Cancer Stem Cells and Chemoresistance</i>
		IL-6	Dr. Ashok Sharma, AIIMS, New Delhi <i>Epigenetic alterations and cancer testis/germline POTE antigen activation in epithelial ovarian cancer</i>
			<i>Tea Break 11:30-11:45 PM</i>
	11:45-1:00 PM		<i>Inauguration</i> Chief Guest: Dr. V.M. Katoch (NASI-ICMR Chair, Rajasthan University of Health Sciences, Jaipur & Former Director General, Indian Council of Medical Research, New Delhi)
			<i>Lunch Break 1:00-2:00 PM</i>
	2:00-4:45 PM		<i>Poster presentation</i>
			<i>Tea Break : 4:45 to 5:00 PM</i>
	5:00-7:00 PM		<i>Oral Presentations for student awards</i>
		Session-3	
	7:00-7:45 PM		<i>Prof. Rita Mulherkar Award Lecture</i>
	7:45-8:45 PM		<i>EC meeting</i>
	8:30-10:00 PM		<i>Dinner</i>

9:00-11:10 AM

Session-4

*Functional Genomics
and Epigenomics-II*

18.11.2016 (Chair: Dr. R. Raman &
Dr. M.M. Chaturvedi)

IL-7 Dr. Tej K. Pandita, Houston Methodist Research Inst., USA
*Role of Histone H4K16 acetylation in DNA damage response
and stem cell differentiation.*

IL-8 Dr. A.K. Tripathi, CSIR-CIMAP, Lucknow
*Involvement of cascades of extra-cytoplasmic function sigma
factors and cross-talks between non-cognate anti-sigma factors
in the regulation of carotenoid biosynthesis in a plant growth
promoting rhizobacterium*

IL-9 Dr. Joyoti Basu, Bose Institute, Kolkata
*Role of transcriptional and post-transcriptional regulatory
networks in the interaction of Mycobacterium tuberculosis with
macrophages*

IL-10 Dr. Sampa Das, Bose Institute, Kolkata
*Regulatory modules controlling below ground Fusarium wilt
response at early time point in chickpea*

IL-11 Dr. Saravanan Matheshwaran, IIT Kanpur
rRNA binding: An untold story of actin related proteins

IL-12 Dr. S.K. Mishra, IISER Mohali
*Ubiquitin-like processing of the conserved splicing regulator
SDE2 promotes telomeric silencing and genome stability*

Tea Break 11:10-11:30 AM

11:30 AM-1:05 PM

Session-5

*Aging and Neural
response*

(Chair: Dr. U.C.
Srivastava &
Dr. D. Kar Choudhury)

PL-2 Dr. Subrata Sinha, NBRC, Manesar
*The role of genetics in uncovering pathways involved in
dyslexia*

IL-13 Dr. Preeti G. Joshi, NIMHANS, Bangalore
*Molecular mechanisms underlying degeneration of neurons in
neurodegenerative diseases: Role of excitotoxicity*

IL-14 Dr. N.R. Jana, NBRC, Manesar
Impairment of protein homeostasis in Huntington's disease

IL-15 Dr. Neeraj Jain, NBRC, Manesar
How aging affects sensorimotor behaviour

Lunch 1:05-2:00 PM

2:00-4:45 PM

Session-6

Poster presentation

Tea Break : 4:45-5:00 PM

5:00-6:00 PM

S P Ray-Chaudhuri 75th Birthday Endowment Lecture

6:00-7:00

General Body Meeting

7:00-8:00 PM

Cultural Program

Dinner : 8:15-10:00 PM

	9:00-11:15 AM	PL-3	Dr. Edward Wakeland, UTSMC, Dallas, USA <i>A genomic analysis of susceptibility to systemic autoimmunity</i>
	Session-7		
19.11.2016	<i>Genomic response to infections and diseases</i>	IL-16	Dr. B.N. Singh, CSIR-CDRI, Lucknow <i>Sigma Factor and Biofilm formation in mycobacteria: An untold story</i>
	(Chair: Dr. B.C. Das & Dr. Anupam Basu)	IL-17	Dr. Jagan Pongubala, Univ Hyderabad, Hyderabad <i>Programmed changes in higher-order chromatin interactions dictate B cell fate commitment</i>
		IL-18	Dr. B.R. Shrivastav, Cancer Hospital & Research Institute, Gwalior <i>Gallbladder cancer: In search of diagnostic and therapeutic markers</i>
		IL-19	Dr. P. Raj, UTSMC, Dallas, USA <i>Role of non-coding regulatory polymorphisms in susceptibility to Systemic Lupus Erythematosus (SLE): A genomic analysis of systemic autoimmunity</i>
		IL-20	Dr. Rhitoban Ray Chaudhury, IISER Mohali <i>The dynamics of multiple Wolbachia infections in the host Nasonia vitripennis.</i>
			<i>Tea Break 11:15-11:30 AM</i>
	11:30 AM-1:30 PM	PL-4	Dr. Akhilesh Kumar Tyagi, NIPGR, New Delhi <i>My encounters with stress in rice!</i>
	Session-8		
	<i>Responses of plants to environmental factors</i>	IL-21	Dr. B. C. Tripathy, JNU, New Delhi <i>Towards Development of C4 Rice: Overexpression of C4 phosphoenolpyruvate carboxylase and phosphoenolpyruvate carboxykinase in C3 Arabidopsis thaliana increases its photosynthetic efficiency and confers tolerance to salt stress</i>
	(Chair: Dr. D. Pental & Dr. R. Tuli)	IL-22	Dr. Pradeep Burma, Univ Delhi <i>Working with tapetum specific promoters - our experience</i>
		IL-23	Dr. A.K. Banerjee, IISER Pune <i>StBEL11 and StBEL29- the new mobile RNAs that control potato development</i>
		IL-24	Dr. Ankur Sharma, Genome Institute of Singapore <i>Single cell RNA-sequencing reveals divergent modes of drug resistance with convergent therapeutic susceptibilities in Head and Neck cancers</i>
			<i>Lunch 1:30-2:15 PM</i>
	2:15-3:45 PM	IL-25	Dr. B. J. Rao, TIFR, Mumbai
	Session-9		
	<i>Development, Evolution and Environment-I</i>	IL-26	Dr. Sanjeev Galande, IISER Pune <i>Evolutionary adaptation of transcription factors into Wnt signaling network: Insights into the head organizer in Hydra</i>
	(Chair: Dr. B.N. Singh & Dr. P. Sinha)	IL-27	Dr. N.G. Prasad, IISER Mohali <i>Evolutionary ecology of immunity</i>

IL-28 Dr. Madhu G. Tapadia, BHU, Varanasi
A peek into the transcriptome and proteome of malpighian tubules: A step to understand beyond excretion

Break

3:45-5:30 PM IL-29 Dr. Umesh Varshney, IISc, Bangalore
An evolutionarily conserved element in initiator tRNAs prompts ultimate steps in ribosome maturation

Session-10
Development, Evolution and Environment-I

IL-30 Dr. Sreelaja Nair, TIFR, Mumbai
Cell biological adaptations in the vertebrate embryo in response to altered ploidy

(Chair: Dr. J.K. Roy & Dr. B.B. Nath)

IL-31 Dr. Mithilesh Mishra, TIFR, Mumbai
How cells make a cut: Molecular control of cell division.

IL-32 Dr. Deepa Agashe, NCBS, Bangalore
Host-microbial associations and the changing paradigm of eukaryote fitness

Tea Break 5:30-5:45 PM

5:45-6:15 PM

Presentations by Corporate

6:15-7:15 PM

Dr. S.C. Lakhota, BHU, Dr. U.C. Srivastava
Dr. M.C. Arunan, and Dr. Neeraj Jain, Allahabad Univ

Session-11

School Children Science Meet

(Sponsored by NASI, Allahabad)

7:15-8:00 PM

Valedictory and award ceremony

Science Communication & Career Workshop

at the

XL All India Cell Biology Conference

Jiwaji University, Gwalior, 16 November 2016

8.30 am – 9.00 am	Registration
9.00 am – 10.15 am	Ethics in Research Dr Sarah Iqbal, Public Engagement Officer, WT/DBT India Alliance
10.15 am – 11.30 am	Writing a Manuscript Dr Bela Desai, Grants Adviser, WT/DBT India Alliance
11.30 am – 11.45 am	Tea/Coffee Break
11.45 am – 1.00 pm	Presentation skills Dr Sarah Iqbal, Public Engagement Officer, WT/DBT India Alliance
1:00 pm – 1:45 pm	Lunch
1.45 pm – 4.00 pm	<ul style="list-style-type: none">• Science Journalism as a career• Popular science writing• Hands-on skills on de-jargonising science Ms Subhra Priyadarshini, Editor, Nature India
4.00 pm – 4.15 pm	Tea/Coffee Break
4.15 pm – 5.15 pm	Career in Industry TBC
5.15 pm – 5.45 pm	General discussion
	Distribution of Certificates to pre-registered attendees

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