

**Asian Chromatin Meeting 2017**  
**Venue: IICT-Auditorium, CCMB, Hyderabad**

**3-5 March 2017**

**2<sup>nd</sup> March 2017**

15:00-18:00 **Registration (Central court, CCMB main building)**

<b>Program</b>	<b>Venue</b>
All scientific sessions	IICT Auditorium
Morning coffee/tea breaks	Shantiniketan, CCMB
Posters/Lunch and Evening High-Tea	East Wing Parking Area
Dinner	Terrace, CCMB main building

**Help Desk:**

At the Central Court of CCMB Main building: Help Desk throughout the day. CCMB reception operates 24hrs for any emergency and help.

**Reception:** +91 40 27192500 **Security:** +91 40 27192633

**For Emergency Medical help:**

**Dr Palnitkar:** +91 40 27192787 (clinic), +91 40 27424136 (residence)

**Dr (Mrs.) Sujatha:** +91 40 27192797 (clinic), +91 40 27174025 (residence)

**Transport:**

For any queries or problems contact

**V Bharathi:** 08790667007

**J Venu:** +91 40 27192666, 9247895259

**Accommodation:**

For any queries or problems contact,

**B V Ramakrishna:** 09866632254; **Gopal Kushawah:** 09000812246;

**Guest House CCMB:** +91 40 27192700/27160554

**Internet:**

CCMB Central court/ reception/guesthouse has wireless Internet connectivity.

Login and password will be notified. No Wi-Fi at the auditorium. For any assistance, please contact,

**Geetha Thanu:** +91 40 27192775

# Scientific Schedule

**March 3<sup>rd</sup>, 2017 (Friday)**

09:00AM **Welcome & Opening Address**

**Session I: Histone modifications - I (09:15-11:00)**

**Chair:** Reshma Taneja, *National University of Singapore, Singapore*

09:15-09:40 **Ullas Kolthur** **25 mins**

MicroRNAs and Protein acetylation: Encoding specificity and oscillatory responses via epigenomic mechanisms

09:40-10:05 **Jyotsna Dhawan** **25 mins**

The quiescent genome: Balancing options, timing inactivity

10:05-10:30 **Shweta Tyagi** **25 mins**

Dynamic regulation of H3K4 methylation marks on E2F responsive promoters: Role of demethylase RBP2 in cell cycle

10:30-10:45 **Stephanie Kaypee \*** **15 mins**

Effector-mediated Allosteric Activation of the Lysine Acetyltransferase p300

10:45-11:00 **Manjit Kr. Srivastav \*** **15 mins**

Uncovering the role of chromatin modification and transcriptional control to maintain iron homeostasis in a human fungal pathogen

11:00-11:30 **Tea Break**

**Session II: Histone modifications – II (11:30-13:00)**

**Chair:** Ullas Kolthur, *TIFR, Mumbai*

11:30-11:55 **Krishnaveni Mishra** **25 mins**

Regulation of Sir2 function by SUMOylation

11:55-12:20 **Arvind Kumar** **25 mins**

PRMT5 mediates chronic alcohol induced neuroglial and behavioural changes in mouse by regulating neural progenitor cell proliferation and differentiation

12:20-12:45 **Imran Siddiqi** **25 mins**

Control of Meiotic Gene Expression in Plants

12:45-13:00 **Ajay S. Labade \*** **15 mins**

Nup93 sub-complex regulates HOXA gene expression

13:00-14:00 **Lunch/Set-up Posters**

**Session III: Chromatin in 3D space (14:00-15:55)**

**Chair: Sanjeev Galande, IISER, Pune**

14:00-14:25 **Kundan Sengupta** **25 mins**

Spatial organization of aneuploid chromosome territories in the interphase nucleus

14:25-14:50 **Jagan Pongubala** **25 mins**

Programmed changes in higher-order chromatin interactions dictate B-cell fate commitment

14:50-15:15 **Sreenivasulu Kurukuti** **25 mins**

Dynamic reorganization of intra-chromosomal domains accompanies signal induced lactogenic differentiation of mouse mammary epithelial cells

15:15-15:40 **Shravanti Rampalli** **25 mins**

Euchromatic Histone Methyltransferase1 tethers heterochromatin to nuclear periphery via non-histone interactions

15:40-15:55 **Parna Saha \*** **15 mins**

Hierarchical genome organization regulates the expression of active genes in constitutive heterochromatin

15:55-17:30 **Tea/Posters-I**

**Session IV: Chromatin and transcription (17:30-19:15)**

**Chair: Veena Parnaik, CCMB, Hyderabad**

17:30-17:55 **Sanjeev Galande** **25 mins**

Gene regulatory networks and dynamic epigenetic regulation in determining eumetazoan body axis

17:55-18:20 **K Natarajan** **25 mins**

SAGA-specific Variant CaTAF12L is Required for Stress-responsive Transcription and Virulence in *Candida*

18:20-18:45	<b>Debabrata Biswas</b>	<b>25 mins</b>
	Multivalent role of human TFIID complex in regulation of transition from initiation to elongation	
18:45-19:00	<b>Sharmistha Majumdar *</b>	<b>15 mins</b>
	The evolution of a transposase: why do some genes jump?	
19:00-19:15	<b>Gopal Kushawah *</b>	<b>15 mins</b>
	Functional analysis of conserved non coding DNA sequences in zebrafish	
19:30	<b>Dinner</b>	

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### March 4<sup>th</sup>, 2017 (Saturday)

#### Session V: Chromatin and cancer (09:00-10:45)

Chair: **Jyotsna Dhawan**, *CCMB, Hyderabad*

09:00-09:25	<b>Reshma Taneja</b>	<b>25 mins</b>
	Identifying epigenetic regulators for targeted therapy in rhabdomyosarcoma	
09:25-09:50	<b>Chandrima Das</b>	<b>25 mins</b>
	Novel mechanisms of suppression of breast cancer metastasis by chromatin Readers/Effectors	
09:50-10:15	<b>Sudhakar Jha</b>	<b>25 mins</b>
	Chromatin remodeling in transcription, repair, and oncogenesis	
10:15-10:30	<b>Sweta Sikder *</b>	<b>15 mins</b>
	Non-histone human chromatin protein, PC4 is critical for genomic integrity and autophagy	
10:30-10:45	<b>Ruthrota Selvi Bharathavikru *</b>	<b>15 mins</b>
	RNA interactions of a Transcription factor: A role for Wilms Tumour 1 in RNA stability	
10:45-11:15	<b>Tea break</b>	

## **Session VI: Chromatin in DNA damage response (11:15-12:50)**

**Chair:** Sanjeev Khosla, *CDFD, Hyderabad*

11:15-11:40 **B J Rao** **25 mins**

Replication Fork Restart Regulation: ATR attenuates its own signalling in mammalian cells

11:40-12:05 **Devyani Halder** **25 mins**

Chromatin modifications and modifiers as key coordinators of genomic integrity

12:05-12:20 **Shantanu Chowdhury** **25 mins**

Working away from home - Telomere maintenance factor TRF2 transcriptionally regulates the cyclin dependent kinase inhibitor p21: impact on DNA damage response

12:20-12:35 **Avinash Srivastava \*** **15 mins**

Emerging functions of vGAF in chromatin architecture

12:35-12:50 **Kumar K \*** **15 mins**

Role of histone H3 and H4 in DNA damage response and intracellular survival of *Candida glabrata*

12:50-15:00 **Lunch/Posters-II**

## **Session VII: Nucleic acid methylation (15:00-17:00)**

**Chair:** K. Natarajan, *JNU, New Delhi*

15:00-15:25 **David Cheishvili** **25 mins**

The casual relationship between DNA methylation, transcription initiation and chromatin landscapes

15:25-15:50 **Sanjeev Khosla** **25 mins**

Learning epigenetics from mycobacteria

15:50-16:05 **Hiroki Shima \*** **15 mins**

The expression of methionine adenosyltransferase MAT2A is regulated through mRNA stability mediated by methyl-6-adenosine in its 3' UTR

16:05-16:20 **Preksha Gupta \*** **15 mins**

Unraveling the loops: Cohesin's role in regulating embryonic stem cell pluripotency

16:20-17:30 **Tea break**

**Session VIII: Plenary talk (17:30-18:30)**

**Chair:** Purnima Bhargava, *CCMB, Hyderabad*

17:30-18:30 **Jerry Workman** **60 mins**

Protein complexes that modify chromatin for transcription and metabolism

**Workshop: Bioinformatics in chromatin research (18:30-19:30)**

**Divya Tej Sowpati**

Using C-State for interactive analysis of ChIP-Seq and RNA-Seq data

**Workshop**

Presentations and discussions

19:30 **Dinner**

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**March 5<sup>th</sup>, 2017 (Sunday)**

**Session IX: Higher order chromatin structure (9:00-11:00)**

**Chair:** B.J.Rao, *TIFR, Mumbai*

09:30-09:55 **Ranjith Padinhateeri** **25 mins**

DNA-bending non-histone proteins can make regular 30-nm chromatin structure unviable

09:55-10:10 **Sarosh Fatakia \*** **15 mins**

Unity in the eukaryotic genome is derived from the plurality of its chromosomes

10:10-10:25 **Surbhi Kohli \*** **15 mins**

Mealybugs as a model for Genomic Imprinting: Deciphering the Chromatin Architecture

10:25-10:40 **Dipesh Kumar Singh \*** **15 mins**

Regulation of monopolar kinetochore orientation in plants

10:25-11:10 **Tea**

**Session X: Histone variants (11:20-13:00)**

**Chair:** Jerry Workman, *Stowers Institute, USA*

11:20-11:45 **Kaustuv Sanyal** **25 mins**

Choice of individual dwelling versus community living is determined by histone variants

11:45-12:10 **Beena Pillai** **25 mins**

Histone variants in neural differentiation: lead, side-kick or cameo?

12:10-12:35 **Kiran Padmanabhan** **25 mins**

Histone variant function in mitosis and mammalian circadian clocks

12:35-12:50 **Satyajeet Khare \*** **15 mins**

Regulation of chromatin organizer SATB1 via differential alternative promoter usage during T-cell differentiation

12:50-13:15 **Concluding remarks/poster prize/ vote of thanks**

13:15-14:30 **Lunch**

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\* - Short Talks

14:30 **City tour & Golconda fort (light and sound show)**

Interested participants can kindly contact **Madhavi** at CCMB reception