

Biology Research Seminar Day 2019

Department of Biological Sciences , IISER Mohali



Date : 7th Dec 19

Venue : Lecture Hall 3

9:15 Introduction

Session 1 Chair: Prof. Kavita Dorai

9:30 **Yambem Soniya Devi** : Evaluating vocal repertoire size and diversity in free ranging passerine, common Myna

10:00 **Rohit Kapila** : Adaptation to larval crowding in *Drosophila melanogaster* leads to the evolution of adult immunity against a Gram-negative bacteria *Pseudomonas entomophila*

10:30 **Aditya Kanwal** : Photoperiodic control of *Drosophila* hematopoiesis

11:00 **Tea**

Session 2 Chair: Dr. Monika Sharma

11:30 **Prerna Budakoti** : Understanding the alteration in hematopoietic niche, induced during leukemia using *Drosophila* as a model system

12:00 **Dr. Poonam Sharma** : Tgf- β signaling and it's interplay with *mmp2/mmp9* during Zebrafish retina regeneration

12:30 **Anuradha Singh** : A dopaminergic autoreceptor DOP-2 regulates ethanol dependent sedative behaviour in *Caenorhabditis elegans*

13:00 **Lunch**

Session 3 Chair: Dr. Sugumar Venkataramani

14:15 **Special lecture by Dr. P. V. Shivaprasad (NCBS, Bangalore)** :
Insights into the mechanism of crop domestication

15:00 **Harish Kumar** : Control of cell proliferation and expansion in *Arabidopsis* leaves by *GRF3-HDG12* duo

15:30 **Yachna Jain** : Genomic basis of cancer resistance in hystricomorphs (Naked mole rat and Guinea pig)

16:00 **Tea**

Session 4 Chair: Dr. Pratima Pandey

16:30 **Anupa T. Anil** : How does spliceosome capture branchpoint-distant 3' splice sites?

17:00 **Priyanka Madhu** : Recruitment of conformationally distinct amyloid- β oligomers by the prion protein

17:30 **Shalini Rawat** : Rabip4', a novel Arl8b effector that regulates lysosome function via retrograde trafficking of CI-M6PR

Organizers : Nidhi, Sonal, Garima, Sayanta