

From: Ritu Kulshreshtha ritu@dbeb.iitd.ac.in
Subject: Department Seminar Tomorrow 2:30 pm, Seminar Room, DBEB)
Date: 16 March 2017 3:25 pm
To: allgroup@dbeb.iitd.ac.in
Cc: Vivekanandan Perumal vperumal@bioschool.iitd.ac.in, Neetu Singh sneetu@cbme.iitd.ac.in

Dear All,

We will have a seminar tomorrow at 2:30 pm in the DBEB seminar room by Dr. Viji V. Subramanian who is currently a Senior Research Scientist at New York University.

Seminar Details-

Name: Viji V. Subramanian

Affiliation: Senior Research Scientist, New York University

Title: Control of DNA Breakage and Repair During Meiosis

Abstract:

Meiosis, a process central to sexual reproduction, requires crossover-mediated linkages between previously unattached homologous chromosomes to aid their proper assortment. Such crossover events initiate with breaks in the DNA, but how these breaks are preferentially repaired using the distal homologous chromosome rather than the proximal sister chromatid is not well understood. Moreover, how DNA breaks are distributed through the genome to allow proper assortment of both the small and large chromosomes in meiosis is unclear. Errors in DNA repair and chromosome partitioning are the leading cause of infertility, spontaneous fetal loss and birth defects in humans. Despite its clinical significance, we have only a meager understanding of how DNA repair is orchestrated to prevent these errors. My work is aimed to address mechanisms of DNA break and repair that maintain genome integrity using the budding yeast as a model organism.

All of you are requested to be present for the seminar.

Attendance is mandatory for all PhD and MSR students of DBEB.

Regards,
Ritu

PS: Dr. Vivek and Dr. Neetu- Can you please circulate it in your school and center.

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