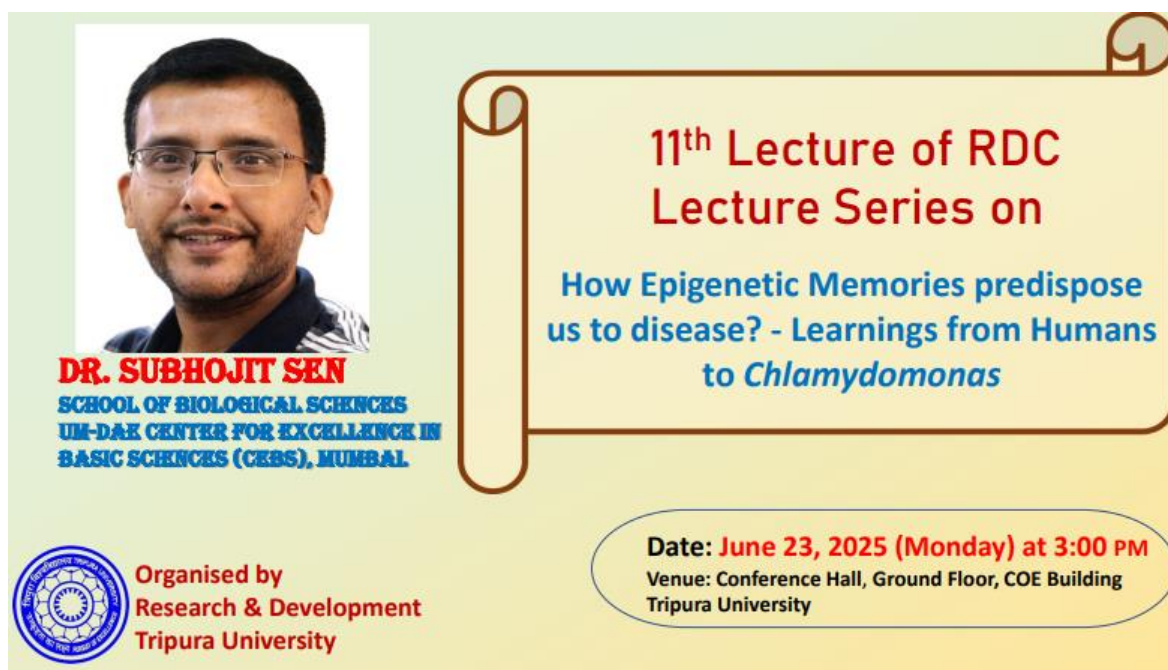


## Lecture series on “How Epigenetic Memories predispose us to disease? - Learnings from Humans to *Chlamydomonas*”



**DR. SUBHOJIT SEN**  
SCHOOL OF BIOLOGICAL SCIENCES  
UM-DAE CENTER FOR EXCELLENCE IN  
BASIC SCIENCES (CEBS), MUMBAI

**11<sup>th</sup> Lecture of RDC  
Lecture Series on**  
**How Epigenetic Memories predispose  
us to disease? - Learnings from Humans  
to *Chlamydomonas***

**Date: June 23, 2025 (Monday) at 3:00 PM**  
Venue: Conference Hall, Ground Floor, COE Building  
Tripura University

Organised by  
**Research & Development  
Tripura University**

A lecture on “How Epigenetic Memories Predispose Us to Disease? – Learnings from Humans to *Chlamydomonas*” was held on 23rd June 2025 at 3:00 PM in the Conference Hall, Ground Floor, COC Building, Tripura University. It was organized by the Research and Development Cell in close association with IQAC Tripura University. The speaker was Dr. Subhojit Sen, Assistant Professor, School of Biological Sciences, UM-DAE CEBS, University of Mumbai. The event was presided over by Prof. Shaon Ray Chaudhuri, IQAC Director. Prof. Swapan Majumdar, Director of Research and Development Cell convened the event. It was attended by faculty members and research scholars from Zoology, Botany, Human Physiology, Microbiology, Molecular Biology, and Bioinformatics.

Dr. Sen spoke about how epigenetic memories changes in gene expression without changes in DNA can increase the chances of diseases like cancer. He explained that cell stress can lead to changes in cell memory, which may cause uncontrolled cell growth and the formation of tumours later in life. He also said that these epigenetic memories can be passed on by stem cells and affect body tissues with age. He is using the algae *Chlamydomonas reinhardtii* as a model organism to study these changes.

Dr. Sen is studying the process called epithelial-to-mesenchymal transition (EMT) using this algae, which is important in understanding how cancer spreads (metastasis). An interactive session followed the lecture, where participants engaged in discussions with the speaker. The event concluded with a vote of thanks delivered by Prof. Shaon Ray Chaudhuri.







Attendance sheet

**"How Epigenetic Memories predispose us to disease ? –  
Learnings from Humans to *Chlamydomonas* "**

**Date :23 June (Monday),2025 at 3.00 PM**

**Venue : Seminar Hall, Ground Floor, Controller of Examintion Building,TU**

**Speaker: Dr. S. Sen, UM- DAE, Mumbai,**

Sl No	Name of the Participant	Department	Signature
	Prof. Swapan Kumar	Chemistry	[Signature] 23/06/25
	Prof. Shaon Ray Choudhuri	Microbiology	Shaon Ray Choudhuri 23/6/25
	Pradip Deb Nath	Geography & DM	[Signature] 23/06/2025
	Dr. Swachita Basu	Botany	S. Basu 23.06.2025
	Dr. R. Tyoti	Human Physiology	[Signature] 23.06.2025
	Dr. Sudipta Pal	" "	[Signature] 23/6/25
	Dr. Rakshak Kumar	MBBI	[Signature] 23/06/2025
	Debasish Nair	Human Physiology	[Signature] 23/06/25
	Smajist Bhattacharya	Mol. Biol & Bioinfo	[Signature] 23/06/2025
	Arghyadeep Bhattacharyya	Chemistry	[Signature] 23/06/25
	Dr. Arabinda Ghosh	Mol. Bio & Bioinfo	[Signature] 23/6/2025
	Susan Sili	Zoology (Scholar)	Susan Sili
	Pritam Chhet	Mol. Bio & Bioinfo	[Signature] 23/06/25
	Sayanta Ahmed	"	S. Ahmed 23/06/25
	Suruchi Rai	Mol Biology & Bioif	Suruchi Rai 23/06/25
	Barsha Datta	Mol. Bio & Bioinformatics	[Signature] 23/06/25
	Angarit Sankar	MBBT	Angarit 23/06/25
	Ravish Kumar	Microbiology	[Signature] 23.06.25
	Sarika S	Microbiology	[Signature] 23/06/25

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Report Prepared by Mr Abinash Debbarma, Department of Microbiology, Tripura University