

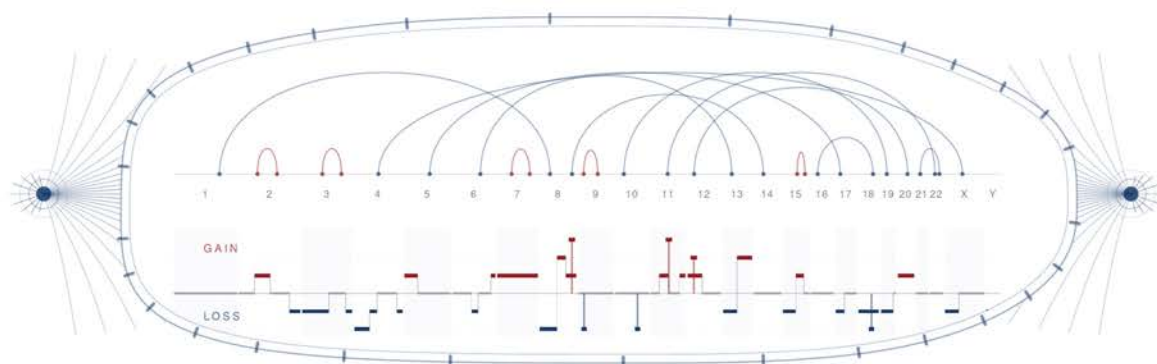
First Workshop on

Mechanisms of Cancer Genome Dynamics

A workshop on chromosomal instability, genome organisation and cancer,
organised by IISER Pune and the Göttingen India Office.

12 – 16 October 2026

IISER PUNE · MAHARASHTRA, INDIA



CHROMOSOME SEGREGATION · GENOME ARCHITECTURE · REPLICATION STRESS · THERAPEUTIC VULNERABILITY

UNIVERSITY OF GÖTTINGEN University Medical Center Göttingen

Holger Bastians

Matthias Wirth

Günter Schneider

IISER PUNE

Arnab Mukherjee

Chaitanya A. Athale

M. S. Madhusudhan

Richa Rikhy

Asif Ali

Krishanpal Karmodiya

Mayurika Lahiri

Sunil S. Bhagwat

Ashish Kumar Singh

Kundan Sengupta

Mridula Nambiar

IISER THIRUVANANTHAPURAM & IISER BHOPAL

Tapas K. Manna

Ram Kumar Mishra

IISER THIRUVANANTHAPURAM

IISER BHOPAL

INFORMATION SESSION Study and Research in Göttingen

Dhanashree Deodhar

Elizabeth Songate

Vaibhav Agarwal

DAAD INFORMATION CENTRE PUNE

GÖTTINGEN INDIA OFFICE

DFG INDIA

CONVENORS

Kundan Sengupta IISER Pune · Holger Bastians University of Göttingen

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WORKSHOP ON

Mechanisms of Cancer Genome Dynamics

12th – 16th October 2026

IISER Pune, Maharashtra, India

Organised by

Indian Institute of Science Education and Research (IISER), Pune and Göttingen India Office

Supported by

German Centre for Research and Innovation

AGENDA

Monday 12 October 2026

12:00 – 13:00	Registration <i>IISER Pune Guesthouse Reception Area</i>
13:00 – 14:30	Lunch and coffee <i>IISER Guesthouse</i>
14:45 – 15:00	Welcome Note <i>Sunil S. Bhagwat, Director, IISER Pune</i>
15:00 – 15:30	Introduction of participants
15:30 – 16:00	Overview of research activities on “Genome Dynamics” at IISER Pune <i>Kundan Sengupta</i>
16:00 – 16:30	Overview of research activities on “Genome Dynamics” at UMG, Göttingen: DFG-funded Research Unit 2800 and Göttingen Center for Cancer Genome Dynamics <i>Holger Bastians</i>
16:30 – 17:00	Research at Göttingen Comprehensive Cancer Center <i>Günter Schneider</i>
19:00 onwards	Dinner <i>IISER Guesthouse</i>

Tuesday 13 October 2026

7:30 – 8:45	Breakfast <i>IISER Guesthouse</i>
Scientific Presentations (20 min talk + 10 min discussion each)	
9:30 – 10:00	Guardians of the Genome: the role of Nuclear Envelope Proteins in Regulating Chromosomal Stability? Kundan Sengupta, IISER Pune
10:00 – 10:30	SMAD4 loss drives cancer chromosomal instability through transcription-replication conflict-associated replication stress Holger Bastians, University Medical Center Göttingen, Institute of Molecular Oncology, Center for Cancer Genome Dynamics
10:30 – 11:00	Functional consequences of non-canonical cohesin assembly Mridula Nambiar, IISER Pune
11:00 – 11:30	Coffee break
11:30 – 12:00	The Making of a Renegade: Coordinating DNA Damage Response and Apoptotic Evasion in Breast Cancer Origins Mayurika Lahiri, IISER Pune
12:00 – 12:30	Using Reinforcement Learning in Drug Design Arnab Mukherjee, IISER Pune
13:00 – 14:00	Lunch <i>IISER Guesthouse</i>
14:15 – 16:15	Tour of IISER campus and research facilities
16:15 – 17:15	Discussion with IISER students
19:00 onwards	Dinner

Wednesday 14 October 2026

7:30 – 8:45	Breakfast <i>IISER Guesthouse</i>
9:30 – 10:00	Exploiting Therapeutic Vulnerabilities in Pancreatic Cancer Günter Schneider, UMG (20 min talk + 10 min discussion)
10:00 – 10:30	Mechanisms of Heterochromatin Organization and Dynamic Gene Regulation Krishanpal Karmodiya, IISER Pune (20 min talk + 10 min discussion)
10:30 – 11:00	A Condensate Cascade Restructures the Heat-Shock Genome Asif Ali, IISER Pune (20 min talk + 10 min discussion)

11:00 – 11:30	Coffee break
11:30 – 12:00	Nup88 overexpression dysregulates SENP3-dependent rRNA processing and CDK6 dependent cell-cycle progression for tumorigenic outcomes Ram Kumar Mishra Department of Biological Sciences, IISER Bhopal
12:00 – 12:30	SUMO-dependent ubiquitin signaling orchestrates transcriptional programs and immune evasion in cancer Mathias Wirth, University of Göttingen
12.30 onwards	Sightseeing Pune
19:00 onwards	Dinner <i>For speakers</i>

Thursday *15 October 2026*

7:30 – 8:45	Breakfast <i>IISER Guesthouse</i>
9:30 – 10:00	Mitochondrial activity and dynamics in neural stem cell differentiation Richa Rikhy, IISER Pune (20 min talk + 10 min discussion)
10:00 – 10:30	Computational Tools for Cancer Biology: From Structural Interface Prediction to Genomic Biomarker Discovery and Mechanistic Validation M.S. Madhusudhan, IISER Pune (20 min talk + 10 min discussion)
10:30 – 11:00	Selected presentation - Topological Regulation of the Mammalian Genome by Positive DNA Supercoiling Ashish Singh, IISER Pune (20 min talk + 10 min discussion)
11:00 – 11:15	Coffee break
Information Session: Study and Research in Göttingen	
11:15-11.25	Overview on BS/MS/PhD programmes at IISER Pune Kundan Sengupta , IISER Pune
11:25– 11.40	Study in Germany Dhanashree Deodhar, DAAD Information Center, Pune
11:40 – 11.50	Study and Research at the University of Göttingen Elizabeth Songate, Göttingen India Office
11:50 – 12:15	Research Grants for Indo-German Collaborations Vaibhav Agarwal, Deputy Director, DFG India
12:15 – 12:40	TBA
12:40 – 13:00	TBA

13:00 – 14:00	Lunch <i>IISER Guesthouse</i>
14:15-14:45	Safeguarding chromosome stability through the CENP-E–Kif2C kinesin axis Tapas K. Manna, School of Biology, IISER Thiruvananthapuram
14:45 – 15:15	Spindle segregation in first embryonic division of <i>C.elegans</i> : A question of forces Chaitanya Athale, IISER Pune
15:15 – 15:45	Coffee break
16:00 – 17:00	Round table discussion (all participants) Conclusions, future directions and opportunities for research collaborations and student exchanges
19:00 onwards	Networking Dinner

Friday *16 October 2026*

7:30 – 9:15	Breakfast <i>IISER Guesthouse</i>
9:30 – 12:00	Proposed discussions between DWIH/DAAD and IISER Pune
12:00 onwards	Lunch <i>IISER Guesthouse</i>