

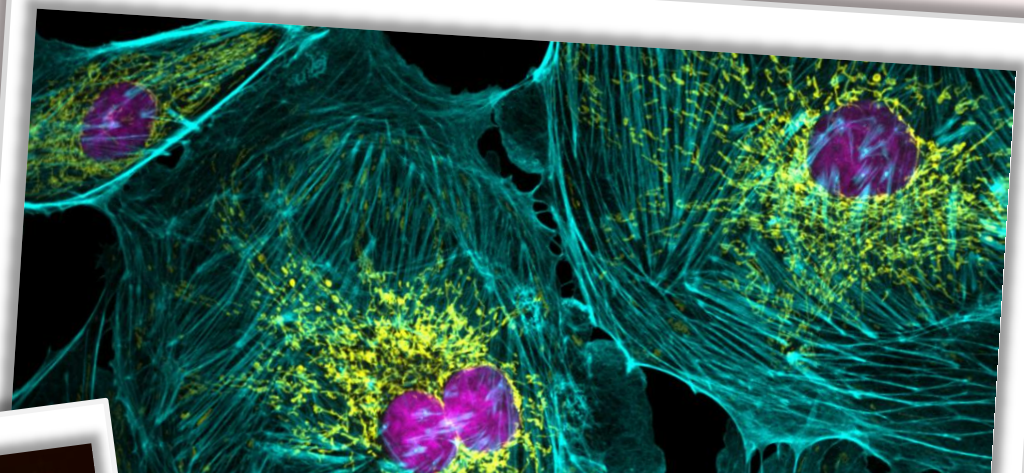
RMU Master Module

DNA Repair & Genome Stability

Summer Semester 2024

Lecture series
(2 weeks, 10:00 – 14:00)

Lab practical
(4-6 weeks)



Brian Luke Cristina Cardoso	Introduction briefing	11 April online
Helle Ulrich	DNA repair and genome maintenance – an overview / Genome maintenance during DNA replication	15 April JGU Mainz (1)
Markus Christmann	DNA damage by genotoxic and carcinogenic substances	16 April IMB Mainz (2)
Thomas Hofmann	DNA damage signaling	16 April IMB Mainz (2)
Petra Beli	Regulation of DNA damage response by posttranslational modifications	17 April IMB Mainz (2)
Oliver Krämer	Desired actions and side effects of chemotherapy	17 April IMB Mainz (2)
Katja Luck	Protein modularity & its implications in molecular biology research	17 April IMB Mainz (2)
Sandra Schick	Genome regulation by ATP-dependent chromatin remodelers	18 April TU Darmstadt (3)
Markus Löbrich	DNA double strand repair pathways	18 April TU Darmstadt (3)
Patrick Heun	Establishment and maintenance of the epigenetic identity of centromeres	22 April JGU Mainz (1)
Brian Luke	RNA-DNA hybrids	22 April JGU Mainz (1)
Daniela Kramer	Crosstalk of inflammation, epigenetics and the DNA damage response in health and disease	22 April JGU Mainz (1)
Jan Padeken	Regulation of heterochromatin in response to genotoxic stress	23 April IMB Mainz (2)
Lars Schomacher	Active DNA demethylation by DNA repair mechanisms	23 April IMB Mainz (2)
Hans-Peter Wollscheid	Role of the cytoskeleton in genome stability	23 April IMB Mainz (2)
Maximilian Reuter	Principles of genome replication in eukaryotes	24 April IMB Mainz (2)
Nard Kubben	Aging-related genomic instability	24 April IMB Mainz (2)
Kathi Zarnack	Machine learning models - implications for genome stability	24 April IMB Mainz (2)
Vassilis Roukos	DNA double strand break repair pathways & biogenesis of chromosome translocations	24 April IMB Mainz (2)
Cristina Cardoso	Organization of mammalian DNA replication and its epigenetic regulation	25 April TU Darmstadt (4)
Alexander Löwer	Dynamics of the DNA damage response in individual living cells	25 April TU Darmstadt (4)

The lectures are intended for Master's students as well as all other interested students and scientists.
Lectures will be held in English.

(1) Lecture room 00.187, Biozentrum 1, Hanns-Dieter-Hüsch-Weg 15, JGU Campus Mainz; (2) Seminar room, Institute of Molecular Biology, Ackermannweg 4, JGU Campus Mainz; (3) Room 102, B2|61 Botany Student Centre, Schnittspahnstraße 11, Botanical Garden East Campus, TU Darmstadt; (4) Room 109, B2|03 Biology Verfügungsgebäude, Schnittspahnstraße 10, Botanical Garden East Campus, TU Darmstadt

Please visit www.sfb1361.de/students-postdocs/lectures for up-to-date information on the lecture series.
For further information, please contact Dr Katarina Kruspig: sfb1361@imb.de, Tel. 06131-39-21962

Participating institutions:

