

RMU Master Module

DNA Repair & Genome Stability

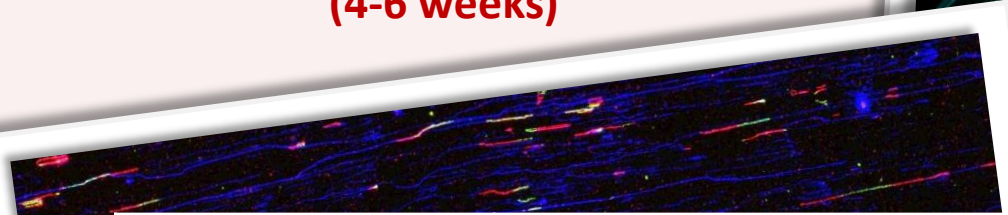
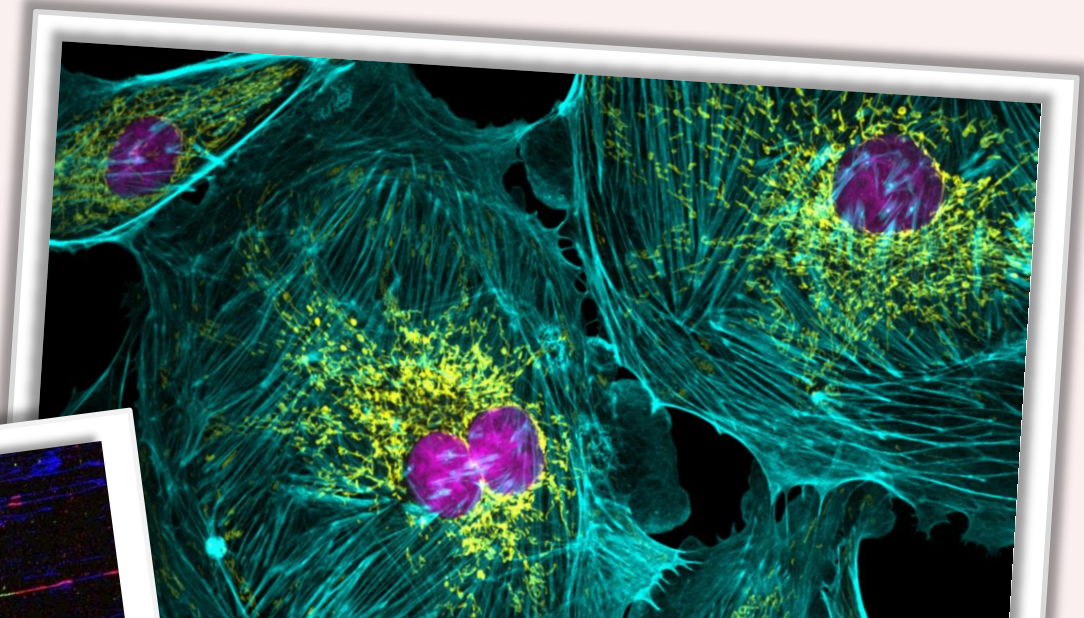
Summer Semester 2025

Lectures

(2 weeks, 10:00 – 11:30 & 13:00 – 14:30^{Δ,*})

Lab practical

(4-6 weeks)



Brian Luke	Introduction to DNA repair and genome maintenance / RNA-DNA hybrids	28 April IMB Mainz (1)
Patrick Heun Cristina Cardoso	Establishment and maintenance of the epigenetic identity of centromeres Organization of mammalian DNA replication and its epigenetic regulation	29 April TU Darmstadt (2)
Jan Padeken Hans-Peter Wollscheid	Regulation of heterochromatin in response to genotoxic stress Genome maintenance during DNA replication / Role of the cytoskeleton in genome stability	30 April IMB Mainz (1)
Markus Löbrich^Δ Vassilis Roukos*	DNA double strand repair pathways ^Δ DNA double strand break repair pathways & biogenesis of chromosome translocations*	5 May TU Darmstadt (2) and online only
Petra Beli Lars Schomacher	Regulation of DNA damage response by posttranslational modifications Active DNA demethylation by DNA repair mechanisms	6 May IMB Mainz (3)
Alexander Löwer Thomas Hofmann	Dynamics of the DNA damage response in individual living cells DNA damage signalling	7 May TU Darmstadt (2) IMB Mainz (3)
Markus Christmann Daniela Kramer	DNA damage by genotoxic and carcinogenic substances Crosstalk of inflammation, epigenetics and the DNA damage response in health and disease	8 May IMB Mainz (1)

Lectures are intended for Master students as well as all other interested students and scientists.

Lectures will be presented in hybrid format or online*.

Locations:

- (1) Seminar room, Institute of Molecular Biology (IBM), Ackermannweg 4, JGU Campus Mainz
- (2) Room 242, B2|03 Biology Verfügungsgebäude, Schnittpahnstraße 10, Botanical Garden Campus, TU Darmstadt
- (3) Meeting room 01.624, Institute of Molecular Biology (IMB), Ackermannweg 4, JGU Campus Mainz

^Δ Lecture will be held from **10:30 to 12:00** at location 2 (hybrid)

* Lecture will be held only online from **15:30 to 17:00**

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

