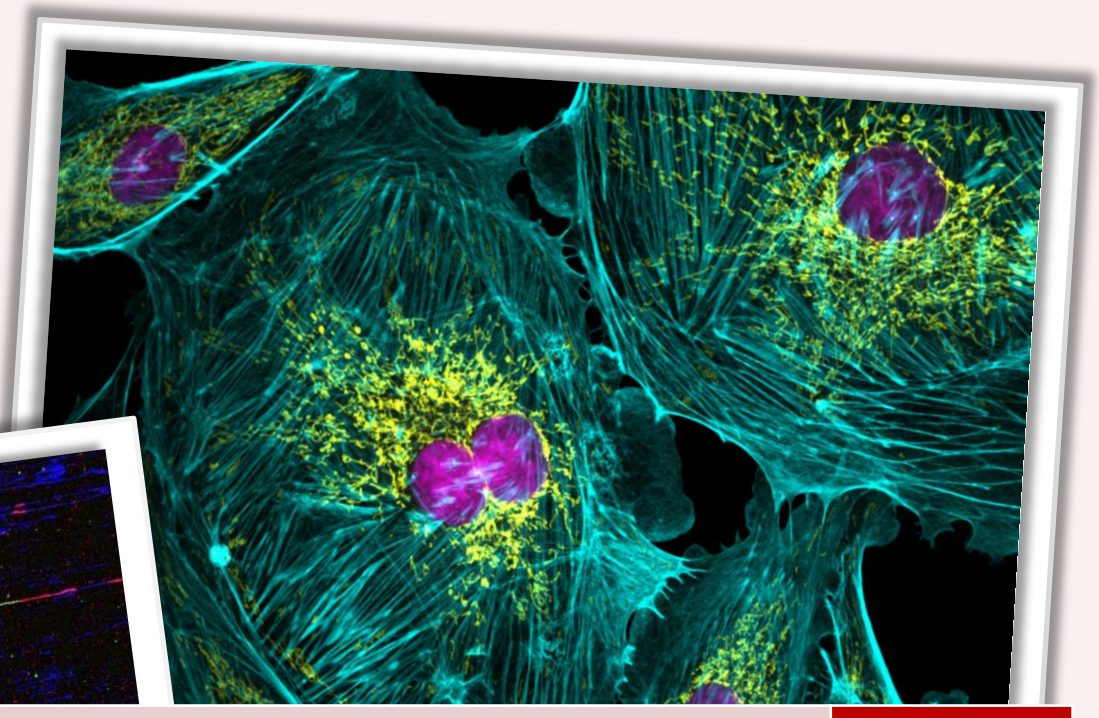
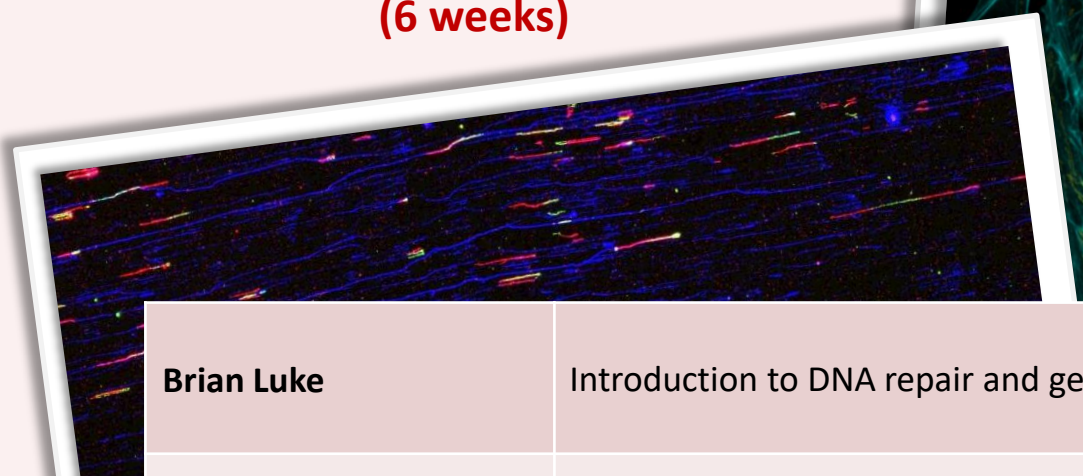
RMU Master Module
DNA Repair & Genome Stability

Summer Semester 2026

Lectures
(2 weeks, 10:00 – 11:30 & 13:00 – 14:30)

Lab practical
(6 weeks)





Brian Luke	Introduction to DNA repair and genome maintenance / RNA-DNA hybrids	**20 April (13:00-14:30)**
Max Reuter **Patrick Heun**	Principles of genome replication in eukaryotes Establishment and maintenance of the epigenetic identity of centromeres*	**21 April**
Stamatis Papathanasiou **Sandra Schick**	Functional consequences of errors in mitosis Genome regulation by ATP dependent chromatin remodelers	**22 April**
Markus Löbrich **Petra Beli**	DNA double strand break repair pathways* Regulation of DNA damage response by posttranslational modifications	**23 April**
Alexander Löwer **Lars Schomacher**	Dynamics of the DNA damage response in individual living cells* Active DNA demethylation by DNA repair mechanisms	**27 April**
Siyao Wang **Jan Padeken**	Transgenerational consequences of DNA damage Regulation of heterochromatin in response to genotoxic stress	**28 April**
Daniela Kramer **Katja Luck**	Crosstalk of inflammation, epigenetics and the DNA damage response in health and disease Protein modularity & its implications in molecular biology research	**29 April**

Lectures are intended for Master students as well as all other interested students and scientists
Lectures will be presented in hybrid format at IMB or online only*
Location (hybrid lectures): Seminar room, Institute of Molecular Biology (IMB), Ackermannweg 4, JGU Campus Mainz
Lectures will be held **only online*

Images captured by IMB Core Facilities (cells) and Dr Ronald Wong (DNA fibres)

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