

**Exam: Friday, 25 June, 14:00-15:00**

**Introductory lectures: mandatory**

**Regular talks: 3 tracks mandatory**

	Introductory Lectures				Epigenetics & Nuclear Dynamics		Bioinformatics & Computational Biology		DNA Repair & Genome Stability	
	Monday, 14 June	Tuesday, 15 June	Wednesday, 16 June		Thursday, 17 June	Friday, 18 June	Monday, 21 June	Tuesday, 22 June	Wednesday, 23 June	Thursday, 24 June
				09:00 – 09:45	TBA Michael Kühn	TBA Beat Lutz	On computational Genomics Susanne Gerber	Human protein interactomics Katja Luck	Mechanisms counteracting transcription-associated genomic instability Petra Beli	Genome rearrangements in health and disease Vassilis Roukos
				9:50 – 10:35	DNA methylation and demethylation Lars Schomacher	Genome regulation by the BAF chromatin remodelers Sandra Schick	Genomic views of the RNA world Julian König	Metagenomics approaches in food authentication Thomas Hankeln	TBA Falk Butter	DNA damage processing in time and space Helle Ulrich
				10:35 – 10:55	<i>Coffee Break</i>					
11:00 – 12:00			Introductory lectures into IMB Core Facilities	10:55 – 11:40	Specificity in selective protein degradation Anton Khmelinskii	Regulation of gene expression in the brain Simon Rumpel	TBA Peter Baumann	TBA Lukas Stelzl	TBA Thomas Hofmann	TBA Eva Wolf
12:00 – 13:00	<i>Lunch Break</i>			11:40 – 13:00	<i>Lunch Break</i>					

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	Introductory Lectures				Ageing & Disease		RNA Biology		Gene Regulation & Evolution	
	Monday, 14 June	Tuesday, 15 June	Wednesday, 16 June		Thursday, 17 June	Friday, 18 June	Monday, 21 June	Tuesday, 22 June	Wednesday, 23 June	Thursday, 24 June
13:00 – 14:30	Introductory Lecture on DNA Repair & Genome Stability Helle Ulrich	Introductory Lecture on Bioinformatics & Comp. Biology Susanne Gerber	Introductory Lecture on Ageing & Disease Peter Baumann	13:00 – 13:45	Can old cancer drugs be made smarter? Leszek Wojnowski	Engineering in vivo neurogenesis through glia-to-neuron lineage reprogramming Benedikt Berninger	RNA modifications in native and therapeutic RNA Mark Helm	Translation quality control in eukaryotic cells Marie-Luise Winz	TBA Romain Libbrecht	Mechanisms and evolution of visual processing Marion Sillies
				13:50 – 14:35	Molecular mechanisms of RNA binding protein dysfunction in neurodegenerative diseases Dorothee Dormann	TBA Nard Kubben	TBA Jennifer Winter	RNA at telomeres: regulation and function Brian Luke	TBA Helen May-Simera	TBA Susanne Foitzik
14:30 – 14:50	<i>Coffee Break</i>			14:35 – 14:55	<i>Coffee Break</i>					
14:50 – 16:20	Introductory Lecture on RNA Biology René Ketting	Introductory Lecture on Epigenetics & Nuclear Dynamics Edward Lemke	Introductory Lecture on Gene Regulation & Evolution Romain Libbrecht	14:55 – 15:40	How cytokines affect autoimmunity in the central nervous system Ari Waismann	TBA Tim Sparwasser	Small RNAs as a genomic immune system René Ketting	TBA Sven Danckwardt	Nonsense-mediated mRNA decay - an evolutionary perspective of its origin and diversification Andreas Wachter	TBA Claudia Keller-Valsecchi

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