

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	Targeting Chromatin Complexes in Leukemia Michael Kühn	Epigenetics and transcriptional dynamics in the control of complex behaviors of mice Beat Lutz	On computational Genomics Tamer Butto	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	Telomere Biology 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	Postgenomics in non-traditional “model” systems Peter Baumann	Multi-scale simulations of biomolecules Lukas Stelzl	Cell fate control upon DNA damage Thomas Hofmann	Circadian regulation Eva Wolf
12:00 – 13:00	<i>Lunch Break</i>		11:40 – 13:00	<i>Lunch Break</i>					

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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	Molecular regulation of division of labor in insect societies Romain Libbrecht	Mechanisms and evolution of visual processing Marion Silies
				13:50 – 14:35	Molecular mechanisms of RNA binding protein dysfunction in neurodegenerative diseases Dorothee Dormann	The molecular basis of premature aging diseases Nard Kubben	RNA-mediated regulation in neurodevelopment Jennifer Winter	RNA at telomeres: regulation and function Brian Luke	Cilia Proteins in the Nucleus: Who, What, When, Where, Why Helen May-Simera	Evolutionary genomics of behaviour and life history strategies in Temnothorax ants Susanne Foitzik
14:30 – 14:50	Coffee Break			14:35 – 14:55	Coffee Break					
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 Tommy Regen	Metabolic checkpoints of T cell development and function Tim Sparwasser	Small RNAs as a genomic immune system René Ketting	Dynamics of the transcriptome 3'end in development and disease Sven Danckwardt	Nonsense-mediated mRNA decay - an evolutionary perspective of its origin and diversification Andreas Wachter	The good, the bad and the ugly: Evolutionary and pathological aspects of gene dosage alterations Claudia Keller-Valsecchi

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