

**Genomic and Molecular Medicine –  
Personalized Approaches to Childhood Health**  
Ph.D. program

Lecture series, Summer semester 2020

**Location:** Gr. Hörsaal Kinderklinik (Lindwurmstraße)

**Time:** 17:00-18:30

Date	Topics	Lecturer
Di, 21.04.20	Theory of „Personalized Medicine“ – Molecular and Cellular Biology and Systems Medicine	Prof. C. Klein
Di, 28.04.20	Developmental Biology & Microbiome	Prof. J. Hübner
Di, 05.05.20	Modern Immunodiagnosics (FACS, CyTOF)	Dr. D. Kotlarz
Di, 12.05.20	Next Generation Sequencing for genetic and acquired diseases	Dr. M. Rohlfs
Di, 19.05.20	Confocal Microscopy & Imaging <b>Seminar Room 2, 4th Floor, Lindwurmstr. 2a</b>	Dr. M. Linder
Di, 26.05.20	Legal and Ethical Requirements for Human Research	A. Herrmann
Di, 02.06.20	<b>No lectures due to Pentecost</b>	
Di, 09.06.20	Computational Methodologies for Big Data Analysis	Prof. R. Zimmer (requested)
Di, 16.06.20	Clinical studies - theory and practice	Prof. M. Ege & Dr. K. Werkstetter
Di, 23.06.20	Targeted Therapies	Prof. T. Feuchtinger
Di, 30.06.20	From data to knowledge for rare diseases	Prof. H.-W. Mewes
Di, 07.07.20	Genomic Engineering	Prof. W. Wurst
Di, 14.07.20	Genes vs. Environment – the delicate balance between health and disease	Dr. S. Kim-Hellmuth
Di, 21.07.20	Gene Therapy	Prof. C. Klein

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Method workshops, Summer semester 2020

Date	Topic	Lecturer
Do + Fr, 07./08.05.20	FACS – Flow Cytometry	Dr. Daniel Kotlarz
Do + Fr, 14./15.05.20	NGS – Next Generation Sequencing	Dr. Meino Rohlfs
Do + Fr, 28./29.05.20	Confocal Microscopy & Imaging	Dr. Monika Linder