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MAX DELBRÜCK CENTER FOR MOLECULAR MEDICINE IN THE HELMHOLTZ ASSOCIATION
CORPORATION UNDER PUBLIC LAW

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GENES, CELLS AND CELL-BASED MEDICINE

Speaker Prof. Dr. Markus Landthaler	Vice Speaker Prof. Dr. Jan Philipp Junker
Single Molecule Biophysics probing Quantitative Neuroscience Dr. Melissa Birol	Bioinformatics of RNA Structure and Transcriptome Regulation Prof. Dr. Irmtraud Meyer
Molecular Oncology Dr. Gaetano Gargiulo	Quantitative Stem Cell Biology Dr. Jakob Metzger
Stem Cell Modeling of Development and Disease Dr. Mina Gouti	Computational Regulatory Genomics Prof. Dr. Uwe Ohler
Genetics and Genomics of Cardiovascular Diseases Prof. Dr. Norbert Hübner	Epigenetic Regulation and Chromatin x Architecture Prof. Dr. Ana Pombo
Quantitative Developmental Biology Prof. Dr. Jan Philipp Junker	Systems Biology of Gene Regulatory Elements Prof. Dr. Nikolaus Rajewsky
Biomedical Image Analysis Prof. Dr. Dagmar Kainmüller	Chromatin (dys)function in disease Dr. Michael Robson
RNA Biology and Posttranscriptional Regulation Prof. Dr. Markus Landthaler	Pancreatic Organoid Research and Disease Modelling Prof. Dr. Maike Sander
Computational and developmental biology Dr. Markus Mittnenzweig	Genome instability and somatic mosaicism Prof. Dr. Ashley Sanders

MOLECULAR PROCESSES AND THERAPIES

Speaker Prof. Dr. Matthias Selbach	Vice Speaker Prof. Dr. Jana Wolf
Spatial Proteomics Dr. Fabian Coscia	in Situ Structural Biology Prof. Dr. Mikhail Kudryashev
Structural Biology of Membrane-Associated Processes Prof. Dr. Oliver Daumke	Molecular Physiology of Somatic Sensation Prof. Dr. Gary Lewin
Mathematical Cell Physiology Prof. Dr. Martin Falcke	Allosteric Proteomics Dr. Ilaria Piazza
Molecular Pathways in Cortical Development Dr. Annette Hammes-Lewin	Cellbiology of Immunity Prof. Dr. Katja Simon
Molecular and cellular basis of behavior Dr. Hanna Hörnberg	Proteome Dynamics Prof. Dr. Matthias Selbach
Mobile DNA Dr. Zsuzsanna Izsvák	Intracellular Proteolysis Prof. Dr. Thomas Sommer
Anchored Signalling Dr. Enno Klußmann	Proteomics and Molecular Mechanisms of Neurodegenerative Diseases Prof. Dr. Erich Wanker
	Mathematical Modelling of Cellular Processes Prof. Dr. Jana Wolf

INTEGRATIVE BIOMEDICINE

Speaker Prof. Dr. Michael Bader	Vice Speaker PD Dr. Uta Elisabeth Höpken
Molecular Biology of Peptide Hormones Prof. Dr. Michael Bader	Hypertension-Mediated End-Organ Damage Prof. Dr. Dominik Müller / Prof. Dr. Ralf Dechend
Developmental Biology / Signal Transduction Prof. Dr. Carmen Birchmeier-Kohler	Experimental Ultrahigh-Field MR Prof. Dr. Thoralf Niendorf
Molecular Immunology and Gene Therapy Prof. Dr. Thomas Blankenstein	Molecular Epidemiology Prof. Dr. Tobias Pischon
Systems biology of cardiovascular and neuronal pathologies Dr. Daria Bunina	Neural Circuits and Behaviour Prof. Dr. James Poulet
Genome Diversification & Integrity Prof. Dr. Michela Di Virgilio	Immune Regulation and Cancer Prof. Dr. Klaus Rajewsky
Integrative Vascular Biology Prof. Dr. Holger Gerhardt	Translational Tumorimmunology Dr. Armin Rehm
Translational Cardiology and Functional Genomics Prof. Dr. Michael Gotthardt	Cardiovascular-Hematopoietic Interaction Dr. Suphansa Sawamiphak
Microenvironmental Regulation in Autoimmunity and Cancer PD Dr. Uta Höpken	Molecular mechanisms of environment sensing Dr. Yoichiro Sugimoto
Genom-Editierung und Krankheitsmodelle Dr. Ralf Kühn	Genetics of Metabolic and Reproductive Disorders Prof. Dr. Mathias Treier
Molecular Genetics of Chronic Inflammation and Allergic Disease Prof. Dr. Young-Ae Lee	Molecular Cardiovascular Research Prof. Dr. Thomas Willnow
	Development and Function of Neural Circuits Dr. Niccolo Zampieri

COLLABORATIVE TRANSLATIONAL ACTIVITIES

ECRC - MDC and Charité - Universitätsmedizin	
Applied Research of the Visual System Prof. Dr. Hanna Zimmermann	Clinical Neuroimmunology Prof. Dr. Friedemann Paul
Genomic Instability in Pediatric Cancer Dr. Anton G. Henssen	Molecular Mechanisms in Autoimmune Kidney Disease Prof. Dr. Adrian Schreiber
Nephrology and Inflammatory Vascular Diseases Prof. Dr. Ralph Kettritz	Cardiovascular MRI Prof. Dr. Jeanette Schulz-Menger
Clinical Cardiogenetics Prof. Dr. Sabine Klaassen	Neuroimmunology Laboratory PD Dr. Volker Siffrin
Biology of Malignant Lymphomas Dr. Stephan Mathas / Dr. Martin Janz	Muscle Research Prof. Dr. Simone Spuler
Innate Immunity & Neuroinflammation Prof. Dr. Carmen Infante Duarte	Translationale Neuroimmunology Prof. Dr. Frederike C. Oertel
Host-microbiome Factors in Cardiovascular Disease Prof. Dr. Sofia Forslund	Immune-Microbial Dynamics in Cardiorenal Disease PD Dr. Nicola Wilck

translational groups - MDC and Charité - Universitätsmedizin

Hematology, Oncology and Tumor Immunology Prof. Dr. Lars Bullinger	Translational Approaches in Heart Failure and Cardiometabolic Disease Dr. Gabriele Schiattarella
Kidney Cell Engineering Dr. Michael Kaminski	Cancer Genetics and Cellular Stress Responses Prof. Dr. Clemens Schmitt
Mechanism-based Cancer Therapies Dr. Ulrich Keller	Psychoneuroimmunology Dr. Susanne Wolf
Antiviral Immunity Prof. Dr. Quentin Sattentau	Gastrointestinal Barrier, Regeneration and Carcinogenesis Dr. Michael Sigal
Translational Oncology of Solid Tumors Prof. Dr. Ulrike Stein	Tumor immunology Prof. Johannes Huppa

translational groups- MDC and BIH

From Cell States to Function Dr. Stefanie Großwendt	Stem Cell Dynamics and Mitochondrial Genomics Dr. Leif Ludwig
Systems Hematology, Stem Cells & Precision Medicine Dr. Simon Haas	Angiogenesis & Metabolism Laboratory Prof. Dr. Michael Potente

translational groups - other partner institutions

Intracellular Proteolysis Prof. Dr. Thomas Sommer	Immune Mechanisms and Human Antibodies Prof. Dr. Kathrin de la Rosa
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HI-TAC - MDC & University of Heidelberg

RNA Splicing in Heart Diseases Dr. Maarten van den Hoogenhof	Mechanisms of Cardiac Regeneration and Repair Dr. Arica Beisaw
Angio-Rhythms in Health and Disease Dr. Mahak Singhal	Ploidy and Organ Physiology Dr. Chi-Chung Wu

TECHNOLOGY PLATFORMS

Scientific Infrastructure Board Dr. Niccolo Zampieri Prof. Dr. Matthias Selbach Dr. Jan Philipp Junker	Executive Management Dr. Jutta Steinkötter				
Bioinformatics Dr. Altuna Akalin	Pluripotent Stem Cells Dr. Sebastian Diecke	Proteomics / Metabolomics Dr. Stefan Kempa	Chemical Biology (with FMP) Dr. Marc Nazaré Dr. Jens Peter von Kries	Electron Microscopy Dr. Séverine Kunz	Protein Production & Characterization Dr. Anja Schütz
Genomics (with BIH) Dr. Janine Altmüller (BIH)	Image Data Analysis Deborah Schmidt	Transgenics Dr. Ralf Kühn	Magnetic Resonance Prof. Dr. Thoralf Niendorf	Flow Cytometry Dr. Hans-Peter Rahn	Advanced Light Microscopy Dr. Anje Sporbert
Cryo Electron Microscopy (with Charité) Dr. Christoph Dieboldler (Charité)	Animal Phenotyping Dr. Arnd Heuser	Proteomics (with BIH) Dr. Philipp Mertins	Biobank Prof. Dr. Tobias Pischon	Organoids Dr. Agnieszka Rybak-Wolf	Systems Biology Imaging Dr. Robert Zinzen