

**ORGANIZATION CHART OF THE
MAX DELBRÜCK CENTER FOR MOLECULAR MEDICINE IN THE HELMHOLTZ ASSOCIATION**

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Computational and developmental biology Dr. Markus Mittenzweig	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 Izsák	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
Molecular Immunology and Gene Therapy Prof. Dr. Thomas Blankenstein	Experimental Ultrahigh-Field MR Prof. Dr. Thoralf Niendorf
Systems biology of cardiovascular and neuronal pathologies Dr. Daria Bunina	Molecular Epidemiology Prof. Dr. Tobias Pischon
Genome Diversification & Integrity Prof. Dr. Michela Di Virgilio	Neural Circuits and Behaviour Prof. Dr. James Poulet
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Microenvironmental Regulation in Autoimmunity and Cancer PD Dr. Uta Höpken	Cardiovascular-Hematopoietic Interaction Dr. Suphansa Sawamiphak
Genom-Editierung und Krankheitsmodelle Dr. Ralf Kühn	Molecular mechanisms of environment sensing Dr. Yoichiro Sugimoto
Molecular Genetics of Chronic Inflammation and Allergic Disease Prof. Dr. Young-Ae Lee	Genetics of Metabolic and Reproductive Disorders Prof. Dr. Mathias Treier
	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	Translational 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 Prof. Dr. Dr. Leif Ludwig
Systems Hematology, Stem Cells & Precision Medicine Prof. 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

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

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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 Diebold (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

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Experimental and Clinical Research Center (ECRC)
Direktor: Prof. Dr. Friedemann Paul, Kaufmännische Leitung: Dr. Gesa Schäfer

Berlin Institute of Health (BIH)

Helmholtz Institut für Translationale AngioCardioScience (HI-TAC)
Komm. Direktoren: Prof. Dr. Norbert Hübner, Prof. Dr. Gergana Dobreva, Prof. Dr. Johannes Backs