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

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Prof. Dr. Katja Simon

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Prof. Dr. Markus Landthaler

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

MOLECULAR PROCESSES AND THERAPIES

Speaker
Prof. Dr. Matthias Selbach

Vice Speaker
Prof. Dr. Jana Wolf

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

INTEGRATIVE BIOMEDICINE

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Prof. Dr. Michael Bader

Vice Speaker
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- Molecular Biology of Peptide Hormones
  Prof. Dr. Michael Bader
- Developmental Biology / Signal Transduction
  Prof. Dr. Carmen Birchmeier-Kohler
- Molecular Immunology and Gene Therapy
  Prof. Dr. Thomas Blankenstein
- Systems biology of cardiovascular and neuronal pathologies
  Dr. Daria Bunina
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  Prof. Dr. Michael Gotthardt
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  Dr. Uta Höpken
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  Dr. Ralf Kühn
- Molecular Genetics of Chronic Inflammation and Allergic Disease
  Prof. Dr. Young-Ae Lee
- Hypertension-Mediated End-Organ Damage
  Prof. Dr. Dominik Müller / Prof. Dr. Ralf Dechend
- Experimental Ultrahigh-Field MR
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  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
  Dr. Hanna Zimmermann
- Epigenetic Modifications in Neuroblastoma
  Prof. Dr. Hedwig Deubzer
- Genomic Instability in Pediatric Cancer
  Dr. Anton G. Henssen
- Nephrology and Inflammatory Vascular Diseases
  Prof. Dr. Ralph Kettritz
- Clinical Cardiogenetics
  Prof.Dr. Sabine Klaassen
- Biology of Malignant Lymphomas
  Dr. Stephan Mathas / Dr. Martin Janz
- Immune Dysregulations in Oncology
  Prof. Dr. Il-Kang Na
- Innate Immunity & Neuroinflammation
  Prof. Dr. Carmen Infante Duarte
- Clinical Neuroimmunology
  Prof. Dr. Friedemann Paul
- Molecular Mechanisms in Autoimmune Kidney Disease
  PD Dr. Adrian Schreiber
- Cardiovascular MRI
  Prof. Dr. Jeanette Schulz-Menger
- Neuroimmunology Laboratory
  PD Dr. Volker Siffrin
- Muscle Research
  Prof. Dr. Simone Spuler
- Translationale Neuroimmunology
  Prof. Dr. Frederike C. Oertel
- Immune-Microbial Dynamics in Cardiorenal Disease
  Dr.Nicola Wilck
- Host-microbiome Factors in Cardiovascular Disease
  Prof. Dr. Sofia Forslund

translational groups - MDC and Charité - Universitätsmedizin

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

translational groups- MDC and BIH

- From Cell States to Function
  Dr. Stefanie Großwendt
- Systems Hematology, Stem Cells & Precision Medicine
  Dr. Simon Haas
- Translational Organ Models
  Prof. Dr. Sarah Hedtrich
- Stem Cell Dynamics and Mitochondrial Genomics
  Dr. Leif Ludwig
- 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

HI-TAC - MDC & University of Heidelberg

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

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  Dr. Anja Schütz
- Advanced Light Microscopy
  Dr. Anje Sporbert
- 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

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