

Curriculum Vitae

Michael Kracht Professor, Dr. med.
d.o.b. July 30th, 1962, in Braunschweig, Germany

University Education

1999 Habilitation Hannover Medical School (MHH), Germany
1989 Doctorate Medicine, JLU
1981-1988 Studies of Medicine, Hannover Medical School (MHH), Germany

Scientific Career

since 5/2007 W3 Professor for Pharmacology and Toxicology and Managing Director, Rudolf Buchheim Institute of Pharmacology, JLU, Germany
since 2007 Specialist for Pharmacology and Toxicology
2005 W2-Professor for Molecular Mechanisms of cytokine-mediated Gene Regulation, Institute of Pharmacology, MHH
2002 Associate professor (apl. Prof. Dr. med.), Institute of Pharmacology, MHH
1999 Venia Legendi, Molecularpharmacology, Institute for Molecularpharmacology, MHH
1995 – 2005 Group leader, Institute of Pharmacology, MHH
1992 – 1995 Postdoc, Wellcome European Travelling Fellowship, Strangeways Research Laboratory, Cambridge, UK
1990 – 1992 Postdoc, DFG Fellowship, Institute of Molecular Pharmacology, MHH
1988 – 1990 Doctor in internship, Städtisches Krankenhaus Siloah, Hannover
since 2024 Project leader, DFG-project KR1143/12-1 „Dissecting functional master-enhancer regimes driving inflammatory stimulation“, Giessen
since 2023 Project leader, LOEWE-Program CoroPan: “Humane und zoonotische Coronaviren: konservierte Angriffspunkte für neue therapeutische Optionen bei zukünftigen Pandemien”, Giessen
since 2020 Project leader, Research Training Group GRK 2573 “The inflammatory tumor secretome – from understanding to novel therapies”, Marburg
since 2016 Project leader, DFG Collaborative Research Center SFB 1213 “Pulmonary Hypertension and Cor Pulmonale”, Giessen
2016-2024 Project leader, DFG Clinical Research Group KFO 309 “Virus-induced Lung Injury: Pathobiology and Novel Therapeutic Strategies”, Giessen
2013-2024 Project leader, DFG Collaborative Research Center SFB 1021 “RNA viruses: RNA metabolism, host response and pathogenesis”, Marburg
2010-2022 Project leader, DFG Collaborative Research Center TRR 81 “Chromatin Changes in Differentiation and Malignancies”, Giessen

Awards and Honors

2008 Genomic Pioneer Award, awarded on 30.09.2008 by Ocimum Biosolutions at HUGO's International Genome Meeting held at Hyderabad, India
2008 Dolph Adams award of the Journal of Leukocyte Biology for the most highly cited review article of years 2002-2007
1998 Young Investigator Award 1998, 1. price, International Cytokine Society on the occasion of the "Second Joint Meeting of the International Cytokine Society (ICS) and the International Society for Interferon and Cytokine Research (ISICR)", Jerusalem, Israel

Citation Record

Total citations: 17,444; h-index:64; h-index since 2021: 35 (Google Scholar March 13th, 2026)

Top-10 selected Publications

Author contributions: ¹ Conceptualization of study, ² Design of experiments, ³ Analysis of data,

⁴ Preparation and editing of figures, ⁵ Writing of initial draft of the manuscript, ⁶ Revision and editing of the final manuscript.

Open Access articles are identified by “[OA]”.

Leib L, ..., Meier-Soelch J, **Kracht M**^{1,2,3,4,5,6}. 2025. The proximity-based protein interactome and regulatory logics of the transcription factor p65 NF-kappaB/RELA. **EMBO Rep** 26:1144-1183. <https://pubmed.ncbi.nlm.nih.gov/39753783/> [OA] *shared senior authorship; shows expertise in NF-κB-dependent gene expression, proximity proteomics, multi-Omics and bioinformatics.

Jurida LS, ..., Rohrbach S, **Kracht M**^{1,2,3,4,5,6}. 2024. A common gene signature of the right ventricle in failing rat and human hearts. **Nat Cardiovasc Res** Jul;3(7):819-840. <https://pubmed.ncbi.nlm.nih.gov/39196177/> [OA]; *shared senior authorship; shows expertise in gene expression, proteomics and bioinformatics in the disease context.

Mansouri S, ..., **Kracht M**^{* 1,4,5,6}, Savai R. 2022. Cancer genome and tumor microenvironment: Reciprocal crosstalk shapes lung cancer plasticity. **Elife** 11. <https://www.ncbi.nlm.nih.gov/pubmed/36074553> [OA] * shared authorship; shows expertise in signal transduction, gene expression and cytokine and tumor biology in the disease context.

Shaban MS, ..., **Kracht M**^{1,2,3,4,5,6}. 2021. Multi-level inhibition of coronavirus replication by chemical ER stress. **Nat Commun** 12:5536. <https://www.ncbi.nlm.nih.gov/pubmed/34545074> [OA]; shows expertise in molecular mechanisms of signal transduction and infections, proteomics and bioinformatics.

Weiterer SS, ..., Papantonis A, **Kracht M**^{1,2,3,4,5,6}. 2020. Distinct IL-1alpha-responsive enhancers promote acute and coordinated changes in chromatin topology in a hierarchical manner. **EMBO J** 39:e101533. <https://www.ncbi.nlm.nih.gov/pubmed/31701553>, <https://www.embopress.org/doi/full/10.15252/embj.2019101533> [OA]; shows expertise in cytokine biology, CRISPR-Cas9 genome editing and the analysis of genomic enhancers.

Weber A, ..., **Kracht M**^{* 1,2,3,4,5,6}, Schmitz ML. 2019. Phosphoproteome Analysis of Cells Infected with Adapted and Nonadapted Influenza A Virus Reveals Novel Pro- and Antiviral Signaling Networks. **J Virol** 93. <https://www.ncbi.nlm.nih.gov/pubmed/30996098> *shared senior authorship; shows expertise in phospho-proteomics and bioinformatics.

Poppe M, ..., **Kracht M**^{1,2,3,4,5,6}. 2017. The NF-kappaB-dependent and -independent transcriptome and chromatin landscapes of human coronavirus 229E-infected cells. **PLoS Pathog** 13:e1006286. <https://www.ncbi.nlm.nih.gov/pubmed/28355270> [OA]; shows expertise in functional genomics of virus infections.

Tenekeci U, ..., **Kracht M**^{1,2,3,4,5,6}. 2016. K63-Ubiquitylation and TRAF6 Pathways Regulate Mammalian P-Body Formation and mRNA Decapping. **Mol Cell** 62:943-57. <https://www.ncbi.nlm.nih.gov/pubmed/27315556> [OA]; shows expertise in post-transcriptional gene regulation in cytokine pathways.

Jurida L, ..., **Kracht M**^{1,2,3,4,5,6}. 2015. The Activation of IL-1-Induced Enhancers Depends on TAK1 Kinase Activity and NF-kappaB p65. **Cell Rep** 10:726-739. <http://www.ncbi.nlm.nih.gov/pubmed/25660023> [OA]; shows expertise in signal transduction, epigenetics, functional genomics and bioinformatics of cytokines.

Handschock K, ..., **Kracht M**^{1,2,3,4,5,6}. 2014. Cyclin-dependent kinase 6 is a chromatin-bound cofactor for NF-kappaB-dependent gene expression. **Mol Cell** 53:193-208. <https://www.ncbi.nlm.nih.gov/pubmed/24389100> [OA]; shows expertise in the analysis of molecular crosstalk of proliferation- and cytokine-regulated signaling pathways.

Gaestel M, Kotlyarov A, **Kracht M**^{4,5,6}. 2009. Targeting innate immunity protein kinase signalling in inflammation. **Nat Rev Drug Discov** 8:480-99. <http://www.ncbi.nlm.nih.gov/pubmed/19483709>; shows expertise in molecular immunopharmacology.