Curriculum Vitae

Personal Data

Title	Univ.-Prof. Dr. med.
First name	Martin A.
Name	Kriegel
Current position	W3 Professor
Current institution(s)/site(s), country	Department of Translational Rheumatology and Immunology with Institute of Musculoskeletal Medicine, University of Münster, Germany
Identifiers/ORCID	0000-0002-7371-0391

Qualifications and Career

Stages	**Periods and Details**	
Degree programme	Medicine, 1994-2000, Friedrich-Alexander Universität, Erlangen, Germany	
Doctorate	10.06.2001, Prof. Hanns-Martin Lorenz / Prof. Joachim Kalden, Clinical Immunology, “The role of protein tyrosine phosphatase CD45 in gamm-c chain cytokine signaling in human activated T lymphoblasts" (summa cum laude), Institute of Clinical Immunology and Rheumatology, Friedrich-Alexander University, Erlangen, Germany	
Stages of academic/ professional career	2020-present	Chief, Section of Rheumatology and Clinical Immunology, University Hospital Münster, Germany
	2020-present	University Professor and Head, Translational Rheumatology and Immunology, University of Münster, Germany
	2018-present	Associate Professor Adjunct, Department of Immunobiology and Department of Medicine (Rheumatology), Yale University, New Haven, CT, USA
	2019-2020	Visiting Physican, Department of Medicine, Section of Rheumatology, University Hosital Basel, Switzerland
	2017-2020	Senior Principal Scientist/Senior Principal Medical Director, Roche, Basel, Switzerland
	2017-2018	Assistant Professor Adjunct, Department of Immunobiology, Yale University, New Haven, CT, USA
	2012-2017	Assistant Professor, Department of Immunology and Department of Medicine (Rheumatology), Yale University, New Haven, CT, USA
	2009-2012	Research Fellow, Benoist/Mathis Lab, Department of Immunology, Harvard Medical School, Boston, MA, USA

	2008-2012	Rheumatology Fellow, ABIM Research Track, BWH/BIDMC, Harvard Medical School, Boston, MA, USA
	2006-2008	Medicine Resident, ABIM Research Track, BIDMC, Harvard Medical School, Boston, MA, USA
	2003-2006	Fellow, Flavell Lab, Department of Immunobiology, HHMI, Yale University, New Haven, CT, USA
	2001-2003	Medicine Intern/Fellow, University Hospital, Friedrich-Alexander University Erlangen, Germany

Engagement in the Research System

2022	Founding member, EULAR MICMUC Study Group
2022	Panel Reviewer, U01 Grant Review Program, NIAID, NIH
2020-2022	Section Editor, Sequences and Topology, Current Opinion in Structural Biology
2020	German Board of Internal Medicine/Rheumatology Certification
2018-present	Regular Member, German Society for Rheumatology
2016-2018	Advisory Editor, Arthritis & Rheumatology
2016	Reviewer, Special Emphasis Panel, NIH Center for Scientific Review
2016	Abstract Committee Co-Chair, American College of Rheumatology
2016-present	Regular Member, Society for Mucosal Immunology
2015	Panel Reviewer, Peer-Reviewed Medical Research Program, US Department of Defense
2015	Co-Chair, Block Symposium, American Association of Immunologists
2014	Invited Guest Editor, "Microbiome and Immune Diseases", Clinical Immunology
2014-present	Regular Member, American Association of Immunologists
2013-present	Regular Member, Federation of Clinical Immunological Societies
2013-present	Professional Member, American Association for the Advancement of Science
2013-2018	Professional Member, New York Academy of Sciences
2012-present	Member, American College of Rheumatology
2011	American Board of Internal Medicine, Subspecialty Certification in Rheumatology
2011	Harvard Catalyst/CTSA “Intensive Training in Translational Medicine”
2010-2012	Associate Member, Harvard Digestive Diseases Center
2008	American Board of Internal Medicine Certification
1998-present	Member, German Society for Immunology

Scientific Results

Contributions: [1]Conceptualization/Methodology, [2]Analysis, [3]Investigation, [4]Funding Acquisition, [5]Writing

Category A (10 selected publications out of 44)

Kriegel MA[1,2,3,4,5] (corresponding author), Lohmann T, Gabler C, Blank N, Kaldern JR, Lorenz HM. Defective Suppressor Function of Human CD4+ CD25+ Regulatory T cells in Autoimmune Polyglandular Syndrome Type II. J Exp Med 2004;199(9):1285-91. [F1000 Recommended]

Kriegel MA*[1,2,3,5] (equal contribution), Rathinam C*, Flavell RA. E3 Ubiquitin Ligase GRAIL Controls Primary T Cell Activation and Oral Tolerance. Proc Natl Acad Sci U S A 2009; 106(39) 16770-5.

Kriegel MA[1,2,3,5], Sefik E, Hill JA, Wu H-J, Benoist C, Mathis D. Naturally transmitted segmented filamentous bacteria segregate with diabetes protection in NOD mice. Proc Natl Acad Sci U S A 2011; 108(28):11548-53.

Kriegel MA*[1,2,3,5] (co-corresponding author), Rathinam C, Flavell RA*. Pancreatic islet expression of chemokine CCL2 suppresses autoimmune diabetes via tolerogenic CD11c+ CD11b+ dendritic cells. Proc Natl Acad Sci U S A, 2012; 109(9):3457-3462.

Greiling TM*, Dehner C*, Chen X*, Hughes K, Renfroe SC, Vieira SM, Ruff WE, Boccitto M, Sim S, Kriegel C, Chen X, Girardi M, Degnan P, Goodman AL, Wolin SL#, **Kriegel MA**[1,2,4,5] (co- corresponding author). Commensal Orthologs of the Human Autoantigen Ro60 as Triggers of Autoimmunity in Lupus. Science Translational Medicine, 2018; 10(434). pii: eaan2306.

Vieira SM, Hiltensperger M, Kumar V, Zegarra-Ruiz D, Dehner C, Kahn N, Costa FRC, Tiniakou E, Greiling T, Ruff W, Barbieri A, Kriegel C, Mehta SS, Knight JR, Jain D, Goodman AL, **Kriegel MA**[1,2,4,5] (corresponding author). Translocation of a Gut Pathobiont Drives Autoimmunity in Mice and Humans. Science, 2018; 359:1156-1161. [F1000 Recommended].

Zegarra-Ruiz D, El Beidaq A, Iniguez, AJ, Lubrano Di Ricco M, Manfredo Vieira S, Ruff WE, Mubiru D, Fine R, Sterpka J, Greiling TM, Dehner C, **Kriegel MA**[1,2,4,5] (corresponding author). A diet- sensitive commensal Lactobacillus strain mediates TLR7-dependent systemic autoimmunity. Cell Host Microbe, 2019; 25(1), 113-127. [F1000 Recommended].

Ruff WE, Dehner C, Kim WJ, Pagovich O, Aguiar CL, Yu AT, Roth AS, Manfredo Vieira, S, Kriegel S, Olamide A, Mulla MJ, Abrahams VM, Kwok WW, Nussinov R, Erkan D, Goodman AL, **Kriegel MA**[1,2,4,5] (corresponding author). Pathogenic beta2-glycoprotein I autoreactive T and B cells cross-react with non-orthologous mimotopes expressed by a common human gut commensal. Cell Host Microbe, 2019; 26(1): 100-113.

Ruff WE, Greiling TM, **Kriegel MA**[1,2,4,5] (corresponding author). Host-microbiota interactions in immune-mediated diseases. Invited Review. Nature Reviews Microbiology 2020; Sep;18(9):521-538.

Yang Y, Nguyen M, Khetrapal V, Sonnert ND, Martin AL, Chen H, **Kriegel MA**[1,4,5], Palm NW. Within-host evolution of a gut pathobiont facilitates liver translocation. Nature 2022; 607(7919):563-570.

Academic Distinctions

2022 Global Team Science Award, Lupus Research Alliance
2021 Lupus Insight Prize, Lupus Research Alliance
2019 Rudolf-Schoen-Prize, German Society for Rheumatology

2015	Invited Speaker and Panelist, FDA Human Microbiome Workshop, College Park, MD
2014	Keynote Speaker, Lupus 2014, Quebec, Canada
2014	Jack and Vonnie Schlomer Memorial Fellow, Arthritis National Research Foundation
2009	Teaching Award, Brigham and Women's Hospital/Harvard Medical School, Boston, MA
2004	Novartis Prize "Young Endocrinology", German Society of Endocrinology
2003-2005	Emmy-Noether Stipendee, German Research Foundation
2002	Doctoral Thesis Award, Friedrich-Alexander University of Erlangen, Germany

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[X] **I expressly consent to the processing of the voluntary (optional) information, including "special categories of personal data"[1] in connection with the DFG's review and decision-making process regarding my proposal.** This also includes forwarding my data to the external reviewers, committee members and, where applicable, foreign partner organisations who are involved in the decision-making process. To the extent that these recipients are located in a third country (outside the European Economic Area), I additionally consent to them being granted access to my data for the above-mentioned purposes, even though a level of data protection comparable to EU law may not be guaranteed. For this reason, compliance with the data protection principles of EU law is not guaranteed in such cases. In this respect, there may be a violation of my fundamental rights and freedoms and resulting damages. This may make it more difficult for me to assert my rights under the General Data Protection Regulation (e.g. information, rectification, erasure, compensation) and, if necessary, to enforce these rights with the help of authorities or in court.

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