

Martin Lipp, PhD

(* 1948)

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Curriculum vitae

- 1994 Head, Dept. of Molecular Tumor Genetics and Immunogenetics at the Max-Delbrück Center for Molecular Medicine, MDC
- 1993 Professor (C3) at the Institute for Biochemistry, Ludwig-Maximilians University, Munich
- 1990 Primo loco professor (C3) 'Immune dysregulation and malignant lymphoma' at Dept. Internal Medicine, University Cologne
- 1989 Habilitation in Biochemistry at the Ludwig-Maximilians-University, Munich; Dr. rer. nat. habil.; Research on: 'Chromosomal translocations and oncogenesis'
- 1982- 1989 Assistant and research group leader at the Institute for Biochemistry, Ludwig-Maximilians University, Munich; (Head: Prof. E.-L. Winnacker)
- 1979- 1981 Ph.D. thesis at the Institute of Virology, Albert-Ludwigs University, Freiburg; Research on 'Interferon, Herpes simplex and Epstein Barr virus'
- 1976 Diploma in biology
- 1973-1976 Study of medicine, University, Freiburg
- 1971-1975 Study of biology, University, Freiburg
- 1968-1970 Study of biology at the Justus-Liebig-University, Gießen

Activities in the scientific community, honors, awards

- >1998 Chair of the Scientific Council of the Max-Delbrueck-Center, MDC
- >2000 Member of Administrative Advisory Board of the MDC
- >2003 Coordinator for the MDC of the priority program Cancer, topic Immunology, of the Helmholtz Society (National Research Institutes of Germany)
- 1994- 2005 Chair of the Working Group Tumorigenetics, German Cancer Society
- >1999 European Journal of Immunology (Editorial Board)
- 2000 Erwin-Schrödinger-Award 2000, German Science Foundation
- >2006 Chair of the Working Group Immunology, German Cancer Society

Research fields

Our group is interested in the field of immune regulation, immunopathogenesis, tumor genetics, and translational immunology with focus on the following major areas:

- The role of homeostatic chemokine receptors in lymphoid organ development, systemic immune responses, and chronic inflammatory diseases.
- Differentiation, trafficking and function of memory/effector T cells, especially the role of follicular B helper T cells in inflammation and autoimmunity.
- Immunomodulatory and oncogenic functions of herpesvirus-encoded chemokine receptors.
- The function of sphingophospholipid receptors in the immune system.
- Target identification and validation in preclinical animal models with focus on molecular mechanisms of metastasis of B cell lymphoma and gastric carcinoma.

Selected publications

- Höpke UE, Wengner AM, Loddenkemper C, Stein H, Heimesaat MM, Rehm, A, **Lipp M**. CCR7 deficiency causes ectopic lymphoid neogenesis and disturbed mucosal tissue integrity. *Blood* 109: 886-895 [Epub 2006 Oct 3], 2007.
- Breitfeld D, Ohl L, Kremmer E, Ellwart J, Sallusto F, **Lipp M**, Förster R. Follicular B helper T cells express CXC chemokine receptor 5, localize to B cell follicles and support immunoglobulin production. *J Exp Med* 192: 1545-1552, 2000.
- Sallusto F, Lenig D, Förster R, **Lipp M**, Lanzavecchia A. Two subsets of memory T cells with distinct homing potential and effector function. *Nature* 401: 708-712, 1999.
- Förster R, Schubel A, Breitfeld D, Kremmer E, Renner-Müller I, Wolf E, **Lipp M**. CCR7 coordinates the primary immune response by establishing functional microenvironments in secondary lymphoid organs. *Cell* 99:23-33, 1999.
- Förster R, Mattis AE, Kremmer E, Wolf E, Brem G, **Lipp M**. A putative chemokine receptor, BLR1, directs B cell migration to defined lymphoid organs and specific anatomic compartments of the spleen. *Cell* 87:1037-1047, 1996.