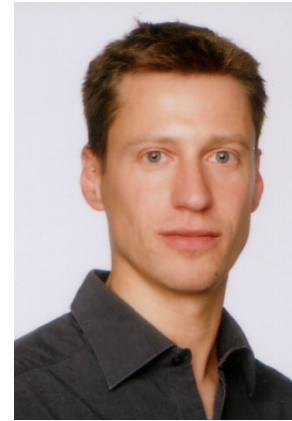


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Curriculum vitae

- Since 2007 Lichtenberg professor of Experimental Immunology at the Charité - University Medicine Berlin, funded by the Volkswagen Foundation
- 2005 - 2006 Scientific assistant at the Institute of Experimental Immunology, University Hospital Zurich, Switzerland
- 2003 - 2004 Postdoctoral fellow of the Ernst Schering Foundation at the Institute of Experimental Immunology, University Hospital Zurich, Switzerland
- 2000 - 2002 Scientific assistant at the German Rheumatology Research Center, Berlin, Germany
- 1999 Research residences at the National Institutes of Health, NIAID, Bethesda, MD, and at the Washington University - School of Medicine, St. Louis, MO, USA
- 1996 - 2000 PhD thesis at the Institute of Genetics, University of Cologne, Germany; 2000 PhD ("Differentiation programs of T helper lymphocytes")
- 1990 - 1996 Studies of Biology at the University of Mainz, Germany; 1996 Diploma

Research fields

T-cell differentiation programs and T-cell memory to viruses:

- Induction, stability and plasticity of T-cell differentiation programs in vitro and in vivo
- Molecular basis of stability and plasticity of T-cell differentiation programs, cytokine memory and other functional properties of differentiated T cells in vitro and in vivo
- Memory T-cell differentiation pathways and memory cell persistence in vivo
- Molecular mechanisms of effector and memory cell generation and regulation
- Functional consequences of T-cell differentiation programs and T-cell memory in viral infections – protection versus immunopathology and autoimmunity

Honors, awards

- Since 2007 Lichtenberg professorship of Experimental Immunology at the Charité - University Medicine Berlin, funded by the Volkswagen Foundation
- 2004 Appointment to Die Junge Akademie (The Young Academy) at the Berlin-Brandenburg Academy of Sciences and the German Academy of Natural Scientists Leopoldina
- 2004 Robert-Koch-Postdoctoral-Prize of the Robert Koch Foundation
- 2003 - 2004 Postdoctoral fellowship of the Ernst Schering Foundation
- 2000 Avrion-Mitchison-Prize for Rheumatology Research
- 2000 Otto-Westphal-Prize of the German Society for Immunology
- 1993 - 2000 Diploma and PhD fellowships of the Studienstiftung des deutschen Volkes

Publications

1. Austrup, F., D. Vestweber, E. Borges, M. **Löhning**, R. Bräuer, U. Herz, H. Renz, R. Hallmann, A. Scheffold, A. Radbruch, and A. Hamann. (1997). P- and E-selectin mediate recruitment of T-helper-1 but not T-helper-2 cells into inflamed tissues. *Nature* **385**, 81-83.
2. Assenmacher*, M., M. **Löhning***, A. Scheffold, R.A. Manz, J. Schmitz, and A. Radbruch. (1998). Sequential production of IL-2, IFN- γ and IL-10 by individual staphylococcal enterotoxin B-activated T helper lymphocytes. *Eur. J. Immunol.* **28**, 1534-1543 (* equal contribution).
3. **Löhning**, M., A. Stroehmann, A.J. Coyle, J.L. Grogan, S. Lin, J.C. Gutierrez-Ramos, D. Levinson, A. Radbruch, and T. Kamradt. (1998). T1/ST2 is preferentially expressed on murine Th2 cells, independent of interleukin 4, interleukin 5, and interleukin 10, and important for Th2 effector function. *Proc. Natl. Acad. Sci. USA* **95**, 6930-6935.
4. Scheffold, A., M. **Löhning**, A. Richter, M. Assenmacher, R. Manz, F. Austrup, A. Hamann, and A. Radbruch. (1998). Analysis and sorting of T cells according to cytokine expression. *Eur. Cytokine Netw.* **9**, 5-11.
5. Assenmacher*, M., M. **Löhning***, A. Scheffold, A. Richter, S. Miltenyi, J. Schmitz, and A. Radbruch. (1998). Commitment of individual Th1-like lymphocytes to expression of IFN- γ versus IL-4 and IL-10: selective induction of IL-10 by sequential stimulation of naive Th cells with IL-12 and IL-4. *J. Immunol.* **161**, 2825-2832 (* equal contribution).
6. Manz, R.A., M. **Löhning**, G. Cassese, A. Thiel, and A. Radbruch. (1998). Survival of long-lived plasma cells is independent of antigen. *Int. Immunol.* **10**, 1703-1711.
7. **Löhning**, M., J.L. Grogan, A.J. Coyle, M. Yazdanbakhsh, C. Meisel, J.C. Gutierrez-Ramos, A. Radbruch, and T. Kamradt. (1999). T1/ST2 expression is enhanced on CD4⁺ T cells from schistosome egg-induced granulomas: analysis of Th cell cytokine coexpression ex vivo. *J. Immunol.* **162**, 3882-3889.
8. Richter, A., M. **Löhning**, and A. Radbruch. (1999). Instruction for cytokine expression in T helper lymphocytes in relation to proliferation and cell cycle progression. *J. Exp. Med.* **190**, 1439-1450.
9. Ouyang*, W., M. **Löhning***, Z. Gao, M. Assenmacher, S. Ranganath, A. Radbruch, and K.M. Murphy. (2000). Stat6-independent GATA-3 autoactivation directs IL-4-independent Th2 development and commitment. *Immunity* **12**, 27-37 (* equal contribution).
10. Rupp, B., M. **Löhning**, and A.K. Werenskiöld. (2000). Reversible expression of tryptases in continuous L138.8A mast cells. *Eur. J. Immunol.* **30**, 2954-2961.
11. Hu-Li, J., C. Pannetier, L. Guo, M. **Löhning**, H. Gu, C. Watson, M. Assenmacher, A. Radbruch, and W.E. Paul. (2001). Regulation of expression of IL-4 alleles: analysis using a chimeric GFP/IL-4 gene. *Immunity* **14**, 1-11.
12. Meisel, C., K. Bonhagen, M. **Löhning**, A.J. Coyle, J.C. Gutierrez-Ramos, A. Radbruch, and T. Kamradt. (2001). Regulation and function of T1/ST2 expression on CD4⁺ T cells: induction of type 2 cytokine production by T1/ST2 cross-linking. *J. Immunol.* **166**, 3143-3150.

13. Farrar, J.D., W. Ouyang, M. **Löhning**, M. Assenmacher, A. Radbruch, O. Kanagawa, and K.M. Murphy. (2001). An instructive component in T helper cell type 2 (Th2) development mediated by GATA-3. *J. Exp. Med.* **193**, 643-650.
14. Assenmacher, M., M. **Löhning**, and A. Radbruch. (2001). Detection and isolation of cytokine secreting cells using the cytometric cytokine secretion assay. *Curr. Prot. Immunol.* **6.27**, 1-10.
15. **Löhning**, M., A. Richter, and A. Radbruch. (2002). Cytokine memory of T helper lymphocytes. *Adv. Immunol.* **80**, 115-181.
16. Höfer, T., H. Nathansen, M. **Löhning**, A. Radbruch, and R. Heinrich. (2002). GATA-3 transcriptional imprinting in Th2 lymphocytes: a mathematical model. *Proc. Natl. Acad. Sci. USA* **99**, 9364-9368.
17. Gerhold, K., K. Blümchen, A. Bock, C. Seib, P. Stock, T. Kallinich, M. **Löhning**, U. Wahn, and E. Hamelmann. (2002). Endotoxins prevent murine IgE production, T(H)2 immune responses, and development of airway eosinophilia but not airway hyperreactivity. *J. Allergy Clin. Immunol.* **110**, 110-116.
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19. **Löhning**, M., A. Richter, T. Stamm, J. Hu-Li, M. Assenmacher, W.E. Paul, and A. Radbruch. (2003). Establishment of memory for IL-10 expression in developing T helper 2 cells requires repetitive IL-4 costimulation and does not impair proliferation. *Proc. Natl. Acad. Sci. USA* **100**, 12307-12312.
20. Mariani, L., M. **Löhning**, A. Radbruch, and T. Höfer. (2004). Transcriptional control networks of cell differentiation: insights from helper T lymphocytes. *Progr. Biophys. Mol. Biol.* **86**, 45-76.
21. Beier, K.C., A. Hutloff, M. **Löhning**, T. Kallinich, R.A. Kroczeck, and E. Hamelmann. (2004). Inducible costimulator-positive T cells are required for allergen-induced local B-cell infiltration and antigen-specific IgE production in lung tissue. *J. Allergy Clin. Immunol.* **114**, 775-782.
22. Lang, K.S., M. Recher, A.A. Navarini, N.L. Harris, M. **Löhning**, T. Junt, H.C. Probst, H. Hengartner, and R.M. Zinkernagel. (2005). Inverse correlation between IL-7 receptor expression and CD8 T cell exhaustion during persistent antigen stimulation. *Eur. J. Immunol.* **35**, 738-745.
23. Tykocinski, L.O., P. Hajkova, H.D. Chang, T. Stamm, O. Sözeri, M. **Löhning**, J. Hu-Li, U. Niesner, S. Kreher, B. Friedrich, C. Pannetier, G. Grütz, J. Walter, W.E. Paul, and A. Radbruch. (2005). A critical control element for interleukin-4 memory expression in T helper lymphocytes. *J. Biol. Chem.* **280**, 28177-28185.
24. Lang, K.S., A.N. Hegazy, P.A. Lang, B. Eschli, M. **Löhning**, H. Hengartner, R.M. Zinkernagel, and M. Recher. (2007). "Negative vaccination" by specific CD4⁺ T cell tolerisation enhances virus-specific protective antibody responses. *PLoS. ONE.* **2**, e1162.

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