

**Dr. Sc. Nat. (ETH Zurich) Hans Christian Probst**

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**Academia**

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| 2004        | Doctorate (Dr.sc.nat.), ETH Zurich (Switzerland)   |
| 2000 - 2004 | PhD candidate, Institute for Experimental Immunology (Prof. H. Hengartner, Prof. R. Zinkernagel), University Hospital Zurich |
| 1994 - 1999 | Studies of biochemistry, ETH Zurich (Switzerland)  |

**Career**

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| since 2007  | Working group leader, Institute for Immunology, University Medical Center of the Johannes Gutenberg University Mainz |
| 2005 – 2007 | Postdoctoral fellow, MRC Laboratory of Molecular Biology, Cambridge, UK (M. Neuberger)                               |
| 2004 – 2005 | Postdoc, Institute of Experimental Immunology, University Hospital Zurich  |

**Awards**

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| 2006 | Pfizer Research Prize                                 |
| 2005 | Human Frontiers Science Program, Long Term Fellowship |

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## Selected Publications

**Probst HC**, Muth S, Schild H (2014) Regulation of the tolerogenic function of steady-state DCs. *Eur J Immunol* 44: 927-933

Muth S, Schutze K, Hain T, Yagita H, Schild H, **Probst HC** (2014) A CD40/CD40L feedback loop drives the breakdown of CD8(+) T-cell tolerance following depletion of suppressive CD4(+) T cells. *Eur J Immunol* 44: 1099-1107

Muth, S., Schutze, K., Schild, H., and **Probst, H.C.** (2012). Release of dendritic cells from cognate CD4+ T-cell recognition results in impaired peripheral tolerance and fatal cytotoxic T-cell mediated autoimmunity. *Proc Natl Acad Sci U S A* 109, 9059-9064.

Schildknecht, A., S. Brauer, C. Brenner, K. Lahl, H. Schild, T. Sparwasser\*, H. C. Probst\* and M. van den Broek\* (2010) "FoxP3+ regulatory T cells essentially contribute to peripheral CD8+ T-cell tolerance induced by steady-state dendritic cells." *Proc Natl Acad Sci U S A* 107(1): 199-203. \*Joint senior authors

Sato, Y\*., **H. C. Probst\***, R. Tatsumi, Y. Ikeuchi, M. S. Neuberger and C. Rada (2010) Deficiency in APOBEC2 leads to a shift in muscle fiber type, diminished body mass, and myopathy. *J Biol Chem* 285(10): 7111-8. \*authors contributed equally

**Probst, H. C.**, K. McCoy, T. Okazaki, T. Honjo and M. van den Broek (2005). Resting dendritic cells induce peripheral CD8+ T cell tolerance through PD-1 and CTLA-4. *Nat Immunol* 6(3): 280-6.

**Probst, H. C.**, J. Lagnel, G. Kollias and M. van den Broek (2003). Inducible transgenic mice reveal resting dendritic cells as potent inducers of CD8+ T cell tolerance. *Immunity* 18(5):713-720