

Curriculum Vitae

Christian Münz

Personal:

Date of birth: 01.09.1969
Place of birth: Wertingen, Germany
Citizenship: German (permanent residency in Switzerland)
Family status: married with two children
Work address : Viral Immunobiology
Institute of Experimental Immunology
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Education:

1989-1995 Graduate studies in Biochemistry at the University of Tübingen
1991-1995 Undergraduate studies in Human Medicine at the University of Tübingen
1992-1993 Exchange year at the Department of Biochemistry and Biophysics,
University of North Carolina at Chapel Hill, USA

Research:

1995-1998 PhD-Thesis at the German Cancer Research Center, Heidelberg, Germany, and
at the Institute for Cell Biology, University of Tübingen, Tübingen, Germany
(PhD degree received 04/07/1998)
04.-08.1998 Postdoctoral fellow, Institute for Cell Biology, University of Tübingen,
Tübingen, Germany
1998-2000 Postdoctoral fellow, Laboratory of Cellular Physiology
and Immunology, The Rockefeller University, New York, USA
2001 Research Associate, Laboratory of Cellular Physiology
and Immunology, The Rockefeller University, New York, USA
2001-2003 Research Assistant Professor, Laboratory of Cellular Physiology
and Immunology, The Rockefeller University, New York, USA
2003-2008 Assistant Professor, Laboratory of Viral Immunobiology, The Rockefeller
University, New York, USA
2008-2012 Member of the Adjunct Faculty, Laboratory of Cellular Physiology and
Immunology, The Rockefeller University, New York, USA
2008-2015 Associate Professor, Viral Immunobiology, Co-Director of the Institute of
Experimental Immunology, University of Zürich, Switzerland (Member of the
Faculty of Medicine since 08/2008 and of Mathematics and Natural Sciences
since 10/2009)
Since 2015 Full Professor, Viral Immunobiology, Co-Director of the Institute of
Experimental Immunology, University of Zürich, Switzerland (Member of the
Faculties of Medicine and Natural Sciences)
Since 2010 Visiting Professor in the Virology Section, Division of Infectious Diseases,
Department of Medicine, Imperial College, London, UK.

Fellowships and grants:

1990-1995	Scholar of the Hanns-Seidel-Foundation
1998-2000	Postdoctoral fellow of the Deutsche Forschungsgemeinschaft
2000-2001	Lymphoma Research Foundation of America Fellow
2001-2004	Special Fellowship of the Leukemia & Lymphoma Society
2002-2004	Speaker's Fund for Public Health Research of the New York Academy of Medicine
2006-2010	NCI R01 CA101741 Award
2005-2008	Beckman Young Investigator Award
2005-2008	Sinsheimer Scholar Award
2005-2010	Foundation for the National Institutes of Health, Grand Challenges in Global Health
2006-2008	Burroughs Wellcome Fund Investigators in Pathogenesis of Infectious Disease Award
2006-2009	DANA Foundation Program in Neuroimmunology Award
2007-2008	Starr Cancer Consortium
2008	AAI Junior Faculty Travel Award
2004-2013	NCI R01 CA108609 Award
2011-2013	Sassella Foundation Award
2011-2013	Vontobel Foundation Award
2011-2013	Contract Grant with Novartis
2012-2015	Baugarten Foundation Award
2012-2013	EMDO Foundation Award
2012	Sobek Award
2013-2015	Fondation Acteria Award
Since 2009	SNF Award
Since 2011	Cancer Research Switzerland Award
Since 2011	Association for International Cancer Research/Worldwide Cancer Research Award
Since 2014	Swiss Vaccine Research Institute Award

Teaching expertise

1. Clinical Immunology Tutorial, 2002/2004, The Rockefeller University, New York.
2. Tri-Institutional Program for Research Trainees "Responsible Conduct for Research", 2003/2004/2005, RU/WMC/MSKCC, New York.
3. Seminars in Modern Biology, 2004/2005/2006/2007, The Rockefeller University, New York.
4. Virology Course, 2005/2007, The Rockefeller University, New York.
5. Immunology Tutorial 2005/2007, The Rockefeller University, New York.
6. Bio430 "Medical Immunology" (12/2008, 12/2009, 12/2010, 12/2011, 12/2012, 12/2013, 12/2014, 12/2015) University of Zürich, Switzerland.
7. MiM introductory course, 06/08/2009, 06/08/2010 University of Zürich and ETH, Switzerland.
8. "Basic Immunology" lectures for MD students, 11/2009, 11/2010, 11/2011, 11/2012, 11/2013, 11/2015, University Hospital Zürich, Switzerland.
9. "Advanced Immunology I", 12/18/2009, 09/27/2013, University of Basel, Switzerland.

10. “Milestones in Immunology, Seminar for ETH students (551-1171-00L), 11/25/2010, 11/17/2011, 11/29/2012, 10/15/2013, 10/07+14/2014, 10/06+13/2015, ETH Zürich, Switzerland.
11. “Infectious agents: From molecular biology to disease”, Seminar for ETH students (551-1100-00S), 03/23/2012, 03/22/2013, 03/21/2014, 03/27/2015, ETH Zürich, Switzerland.
12. “Cutting Edge Topics: Immunology and Infection Biology”, Seminar for ETH students (551-1117-00L), 2008, 2009, 2010, 2011, 2012, USZ, Zürich.
13. “Immunity to pathogens, tumors, allergens and autoimmunity”, Seminar for ETH students (551-1506-00G), 05/04/2012, ETH Zürich, Switzerland.
14. “Immunology I”, Experimental block course for ETH students (551-0317-00L), 06/21+22/2012, 06/17+18, 2013 ETH Zürich, Switzerland.
15. “Molecular and Cell Biology of Cancer”, Seminar on “Oncogenic Viruses” for UZH students, 03/21/2013, 05/05/2014, 05/04/2015, University of Zürich, Switzerland.
16. “Infection and Immune defense”, Mantelstudium for Medical Students, 04/16/2013, 04/08/2014, 04/14/2015, University of Zürich, Switzerland.
17. Ph.D. Course “Inflammation, Tissue Injury and Tissue Repair”, Block course for Ph.D. Students of the Life Science Graduate School Zürich, 07/03/2013, ETH Zürich, Switzerland.
18. Biology University Summer School (BUSS) of the University of Zürich, Teaching Faculty at the Wolfsberg Retreat, 11.07.2014, 17.07.2015, University of Zürich, Switzerland.
19. BIO 251, Master Course “Cancer and the Immune System” for UZH students, 10/07+14/2014, University of Zürich, Switzerland.
20. Cancer Biology Module A, Modes of cell death, Lecture on “Autophagy”, 11/02/2015, for Graduate Students of the Cancer Network Zürich.

Participation in scientific reviewing processes

1. 07/2004 to 06/2006 Associate Editor of the *Journal of Immunology*.
2. 07/2006 to 09/2010 Section Editor of the *Journal of Immunology*.
3. 01/2007 to 12/2011 Member of the Editorial Board of the *Journal Blood*.
4. 01/2007 to 09/2013 Member of the Editorial Board of the *Journal Autophagy*.
5. 12/2010 to 12/2014 Editor-in-chief of the BioMedCentral (Springer Press) open access *Journal Herpesviridae*
6. Since 10/2007 Advisory Editor of *The Journal of Experimental Medicine*.
7. Since 10/2013 Associate Editor of the *Journal Autophagy*
8. Since 11/2009 Member of the Faculty of 1000 Biology/Immunology/Antigen Processing & Recognition.
9. Since 05/2010 Review Editor for *Frontiers in Microbiology* – Section of Cellular and Infection Microbiology
10. Since 03/2011 Associate Editor for *Frontiers in Immunology* – Section of Molecular Antigen Presenting Cell Biology
11. Since 1/2013 Member of the Editorial Board of the *Journal European Journal of Immunology*
12. Ad hoc reviewer for the Journals *Cell*, *Science*, *Nature*, *Immunity*, *Cell Host & Microbe*, *Science Signaling*, the *Journal of Clinical Investigation*, *Proceedings of the National Academy of the United States of America*, the *Journal of Virology*, *Nature Medicine*, *Nature Immunology*, *Nature Reviews Immunology*, *Trends in Immunology*, *Blood*, *PLoS Biology*, *PLoS ONE*, *PLoS Medicine*, *PLoS Pathogens*, *EMBO Journal*, *FEBS Letters*, *Cancer Research*, *International Journal of Cancer*, *Journal of Immunological Methods*, *Vaccine*, *Cancer Immunology Immunotherapy*, *European Journal of Immunology*, *International*

Immunology, Expert Review of Vaccines, Cell Death and Differentiation, Cell Death and Disease, Haematologica, the Journal of the National Cancer Institute, Clinical Cancer Research, Journal of Molecular Medicine, Archivum Immunologiae et Therapiae Experimentalis, Current Medicinal Chemistry, Journal of Leucocyte Biology, Expert Review of Anti-infective Therapy, Current Gene Therapy, Journal of Pathology, Immunology Letters, Arthritis Research and Therapy, Journal of Cell Biology, Cellular Microbiology, Cytotherapy, Microbes and Infection, Journal of Innate Immunity and Annals of Neurology.

13. NIH reviewer:

- NCI site visit, telephone conference and cluster review of Program Project Applications, March the 3rd/4th, 2003, October the 6th, 2003 and June 16th-18th, 2004.
- Reviewer on the NIH/CSR special emphasis panel ZRG1 AARR-B (03) “AIDS Opportunistic Infections and Cancer“, December the 1st, 2003, and April the 6th, 2004.
- Reviewer for the CII study section, February 23rd/24th, 2005.
- Reviewer for the ZRG1 F07 (20) “Immunology Fellowship and AREA“, June 9th/10th, 2005, October 27th/28th, 2005, March 2nd/3rd, 2006, June 29th/30th, 2006, October 19th/20th, 2006, and February 15th/16th, 2007.

14. Reviewer for Research Grants of the English Medical Research Council, the Dutch Reumafonds Foundation, the New York University’s Whitehead Fellowship program, the Dutch Cancer Society, the Netherlands Organisation for Scientific Research, Cancer Research UK, the Israel Science Foundation, the German-Israeli Foundation for Scientific Research and Development, the Boehringer Ingelheim Fonds, the Wellcome Trust, the Ohio Cancer Research Associates, the City University of New York (CUNY) Grant Program, the Hong Kong Food and Health Bureau, the Multiple Sclerosis Society, the Association for International Cancer Research, the John Simon Guggenheim Memorial Foundation, the Agence Nationale de la Recherche, the Swiss National Science Foundation, the German Research Society (DFG), Oncosuisse, the German National Academy of Science Leopoldina and the Irish Health Research Board.

15. Since 11/2006 one out of 100-150 “Preferred AIRC Reviewers” of the Italian Association for Cancer Research.

16. Member of the LS6-Immunity and infection ERC Starting Grant Panel 2011, 2013 and 2015.

17. Member of the ANR DEFSOC4 : Life, health and well-being Grant Panel 2014 and 2015.

18. Member of the ATIP/Avenir LS6-Immunity and infection Grant Panel 2014 and 2015.

Memberships in professional organization

1. Member of the International Association for Research on Epstein-Barr Virus and Associated Diseases since 2000 (Vice-president since 2012, President since 2014).
2. Member of the American Association of Immunologists since 2002.
3. Member of the Harvey Society since 2004.
4. Member of the International Society for Dendritic Cell & Vaccine Science since 2010.
5. Member of the Swiss Society for Allergy and Immunology since 2013
6. Member of the Steering Committee of the Swiss Virology Society since 2014

Current and past trainees

Past trainees:

Postdoctoral:

1. Guido Ferlazzo, M.D. (2002-2004); ***Previous institution:*** University of Genua, Italy; ***Current position:*** Associate Professor at the University of Messina, Italy; ***Research project during training:*** Natural Killer cells in human secondary lymphoid organs.
2. Kevin Heller, M.D. (2003-2007); ***Previous institution:*** Memorial Sloan Kettering Cancer Center, NY; ***Current position:*** Associate Director, Clinical Discovery Oncology/Immunology, Bristol-Myers Squibb; ***Research project during training:*** Evaluation of the clinical significance of EBV specific T cells in healthy individuals and in patients with EBV associated malignancies.
3. Fabienne Brilot, Ph.D. (2004-2007); ***Previous institution:*** University of Liège, Belgium; ***Current position:*** Co-leader of the Neuroimmunology group, The Institute of Neuroscience and Muscle Research, University of Sydney, Australia; ***Research project during training:*** Interaction between dendritic cells and Natural Killer cells.
4. Cagan Gurer, Ph.D. (2005-2008); ***Previous institution:*** Columbia University, NY; ***Current position:*** Staff Scientist, Regeneron Pharmaceuticals; ***Research project during training:*** Development of a vaccine against EBV associated malignancies based on targeting of EBNA1 to dendritic cells.
5. Jan Lünemann, M.D. (2005-2009); ***Previous institution:*** NIH, Bethesda, MD; ***Current position:*** Assistant Professor, University of Zürich, Switzerland; ***Research project during training:*** Altered EBV specific immune responses in multiple sclerosis patients.
6. Patrick Rämmer, M.D. (2009-2012); ***Previous institution:*** University of Heidelberg, Germany; ***Current position:*** Research Associate, Virology, Technical University Munich, Germany; ***Research project during training:*** EBNA3B deficient EBV infection and immune control in vivo.
7. Anna Lünemann, M.D. (2006-2013); ***Previous institution:*** Humboldt University of Berlin, Germany; ***Current position:*** Research Associate, Children's Hospital Zürich, Switzerland; ***Research project during training:*** Natural Killer cell phenotypes and functions in Multiple Sclerosis.
8. Sonja Meixlsperger, Ph.D. (2008-2013); ***Previous institution:*** Max Planck Institute for Immunobiology, Freiburg, Germany; ***Current position:*** Scientist at Bavarian Nordic, Munich, Germany; ***Research project during training:*** Targeting macroautophagy for enhanced MHC class II presentation during vaccination.
9. Monique Gannage, M.D., Ph.D. (2006-2013); ***Previous institution:*** Necker Hospital, University Paris V, France; ***Current position:*** Assistant professor at the University of Geneva, Switzerland; ***Research project during training:*** MHC restricted antigen presentation after autophagy.
10. Obinna Chijoke, M.D. (2009-2013); ***Previous institution:*** University of Cologne, Germany; ***Current position:*** Assistant physician at the University Hospital Zürich; ***Research project during training:*** Natural killer cell responses to Epstein Barr virus infection.
11. Carol Sze Leung, Ph.D. (2009-2014); ***Previous institution:*** University of Birmingham, UK; ***Current position:*** Lecturer and group leader at the University College London Cancer Center; ***Research project during training:*** Dendritic cell targeted vaccine development.
12. Susana Romao, Ph.D. (2009-2014); ***Previous institution:*** University of Porto, Portugal; ***Current position:*** searching for a position in Madrid, Spain; ***Research project during training:*** Reactive oxygen species in the signaling of macroautophagy regulation.
13. Paolo Carrega, Ph.D. (2013-2014); ***Previous institution:*** University of Genoa, Italy; ***Current position:*** Research Associate at the National Cancer Institute, Genoa, Italy; ***Research project during training:*** Innate lymphoid cells in mice with reconstituted human immune system components.

14. Adrian Sim Chong Nyi, Ph.D. (02.2015-09.2015); **Previous institution:** National University of Singapore; **Research project during training:** Myeloid cell compartments during EBV infection in vivo.

Predoctoral:

1. Anna Roukens, M.D. (05/2002-11/2002); **Previous institution:** University of Leiden, The Netherlands; **Current position:** PhD student, Leiden University Medical Center; **Research project during training:** Studying the interaction between CD4⁺ and CD8⁺ T cells in the protective immune response against EBV latency II malignancies.
2. Casper Paludan, Ph.D. (2000-2004); **Previous institution:** University of Copenhagen, Denmark; **Current position:** Scientist, Cellgene Cooperation; **Research Project during training:** Presentation of endogenous viral antigens on MHC class II.
3. Dorothee Schmid, Ph.D. (2002-2007); **Previous institution:** University of Tübingen, Germany; **Current position:** Postdoctoral Fellow, University of München; **Research project during training:** Presentation of antigens on MHC class II by autophagy.
4. Barbara Morandi (2005-2006); **Previous institution:** University of Genoa, Italy; **Current position:** PhD student, Italian Cancer Institute in Genoa; **Research project during training:** Influence of Natural Killer cells on the polarization of adaptive immune responses.
5. Monica Lee (2006-2007); **Previous institution:** University of Colorado at Boulder, CO; **Current position:** M.D. student, Weill Cornell Medical College of Cornell University, NY; **Research project during training:** Viral regulation of autophagy.
6. Till Strowig, Ph.D. (2003-2009); **Previous institution:** Technical University of Berlin, Germany; **Current position:** Postdoctoral Fellow, Yale University; **Research project during training:** Control of Epstein-Barr virus mediated B cell transformation by Natural Killer cells.
7. Leonard Smith (2007-2009); **Previous institution:** Morehouse College; **Current position:** M.D. student, UCLA Medical School, CA; **Research project during training:** Influence of protein half-life on direct and cross-presentation of viral antigens on MHC class I molecules.
8. Susanne Müller (01.-09.2009); **Previous institution:** University of Zürich, Switzerland; **Current position:** Ph.D. student in the Microbiology Department, ETH Zürich, Switzerland; **Research project during training:** Contribution of lytic EBV antigens to immune control of transforming EBV infection.
9. Milica Bajagic (03.-09.2011); **Previous institution:** ETH Zürich, Switzerland; **Current position:** Ph.D. student; **Research project during training:** Reactive oxygen species mediated phagosome maturation via recruitment of the molecular machinery for macroautophagy.
10. Rosa Maria de Araújo Barreira da Silva (2007-2012); **Previous institution:** University of Porto, Portugal; **Current position:** Postdoctoral fellow at the Pasteur Institute, Paris, France; **Research project during training:** Kinetics and composition of immunological synapses between dendritic and natural killer cells.
11. Nathalie Gasser (2012-2013); **Previous institution:** University of Zürich, Switzerland; **Current institution:** Swiss Transplant, Switzerland; **Research project during training:** Modulation of phagocytosis by macroautophagy.
12. Wolfgang Jungraithmayr (2009-2013); **Previous institution:** University Hospital Zürich, Switzerland; **Current institution:** Clinic for Thorax Surgery, University Hospital Zürich, Switzerland; **Research project during training:** NK cells in allogeneic lung transplantation.
13. Carmen Citterio (2013-2014); **Previous institution:** University of Zürich, Switzerland; **Research project during training:** Dendritic cell targeted vaccination.

14. Heike Nowag (2009-2014); **Previous institution:** University of Konstanz, Germany; **Current institution:** Price Waterhouse Coopers Zürich, Switzerland; **Research project during training:** Regulation of macroautophagy by lytic EBV infection.
15. Olga Antsiferova (2009-2014); **Previous institution:** ETH Zürich, Switzerland; **Current institution:** General Electric (GE) Healthcare Zürich, Switzerland; **Research project:** Contribution of lytic EBV antigens to immune control of transforming EBV infection.

Semester students:

09.-12.2009, Susanne Marsland, ETH; 02.-05.2010, Vanessa Landtving, ETH; 09.-12.2010, Milica Bajagic, ETH; 09.-12.2012, Nicolas Annaheim, ETH; 01.-08.2013, Margerida Teixeira, University of Coimbra, Portugal; 02.-05.2013, Joel Gehrig, ETH; 04.-05.2013, Nicole Caduff, UZH; 02.-05.2014, Dilek Yilmaz, ETH; 09.-12.2014, Alexander Gerstler, ETH; 01.-08.2015, Meredith Ware, University of Houston, USA; 07.-09.2015, Els Alsema, University of Cambridge, UK; 09.-12.2015, Angel Nikolov, ETH;

Current:

Postdoctoral:

1. Cornelia Gujer, Ph.D. (since 2012); **Previous institution:** Karolinska Institute, Stockholm, Sweden; **Current research project:** Dendritic cell responses to Epstein Barr virus.
2. Bithi Chatterjee, Ph.D. (since 2012); **Previous institution:** Yale University and Genentech, USA; **Current research project:** T cell exhaustion during symptomatic primary EBV infection.
3. Petra Paul, Ph.D. (Since 2013); **Previous institution:** Netherlands Cancer Institute, Amsterdam, The Netherlands; **Current research project:** Macroautophagy regulation by influenza A virus.
4. Laure-Anne Ligeon, Ph.D. (Since 2014); **Previous institution:** Pasteur Institute Lille, Lille, France; **Current research project:** Phagosome regulation by macroautophagy proteins.

Predocctoral:

1. Vanessa Landtving (since 2010); **Previous institution:** ETH Zürich, Switzerland; **Current research project:** Human dendritic cell interactions with natural killer cells in vitro and in vivo.
2. Ana Raykova (since 2011); **Previous institution:** University of Oxford, UK; **Current research project:** Secondary lymphoid tissue formation, structure and function in mice with reconstituted human immune system components
3. Donal McHugh (since 2012); **Previous institution:** University Hospital Zürich, Switzerland; **Current research project:** EBV associated CNS lymphomas.
4. Nicole Caduff (since 2013); **Previous institution:** University of Zürich, Switzerland; **Current research:** Characterization of EBV latency patterns in infected mice with reconstituted human immune system components.
5. Monica Loi (since 2013); **Previous institution:** University of Genoa, Italy; **Current research:** Autophagy in MHC class I antigen presentation.
6. Julia Rühl (since 2014); **Previous institution:** University of Ulm and Miltenyi Biotech, Bergisch-Gladbach; **Current research:** Vaccination against EBV with different receptor targeted antigens.
7. Anita Murer (since 2014); **Previous institution:** University of Zürich, Switzerland; **Current research:** Natural killer cell responses against the Epstein Barr virus.

8. Hana Zdimerova (since 2015); ***Previous institution:*** Pasteur Institute, France; ***Current research:*** The influence of MS genetic risk factors on EBV infection
9. Alexander Gerstler (since 2015); ***Previous institution:*** ETH Zürich, Switzerland; ***Current research:*** Mechanisms of NKG2D and DNAM-1 ligand up-regulation during lytic EBV infection
10. Maria Pena Francesch (since 2015); ***Previous institution:*** Karolinska Institutet, Stockholm, Sweden; ***Current research:*** Mechanisms of autophagic membrane recruitment to the Epstein Barr virus envelope
11. Christine Engelmann (since 2015); ***Previous institution:*** ETH Zürich, Switzerland; ***Current research:*** The role of myeloid derived suppressor cells during EBV infection

List of publications

Journal articles:

1. Marianne Diehl*, Christian Münz*, Wieland Keilholz, Stefan Stevanović, Nicholas Holmes, Yung Wai Loke and Hans-Georg Rammensee, "Nonclassical HLA-G molecules are classical peptide presenters", *Current Biology* (1996), 6(3):305-314.
2. Christian Münz, Nicholas Holmes, Ashley King, Yung Wai Loke, Marco Colonna, Hansjörg Schild and Hans-Georg Rammensee, "Human histocompatibility leukocyte antigen (HLA)-G molecules inhibit NKAT3 expressing natural killer cells", *Journal of Experimental Medicine* (1997), 185(3): 385-392.
3. Reinhard Obst, Christian Münz, Stefan Stevanović and Hans-Georg Rammensee, "Generation of allo- and self-restricted cytotoxic T lymphocytes against a peptide library: evidence for a functionally diverse allo-restricted T cell repertoire", *European Journal of Immunology* (1998), 28:2432-2443.
4. John Gatfield, Eckhard Lammert, Peter Nickolaus, Christian Münz, Simon Rothenfusser, Paul Fisch, Stefan Stevanović, Hansjörg Schild, Hans-Georg Rammensee and Danièle Arnold, "Cell lines transfected with the TAP inhibitor ICP47 allow testing peptide binding to a variety of HLA class I molecules", *International Immunology* (1998), 10(11): 1665-1672.
5. Christian Münz, Reinhard Obst, Wolfram Osen, Stefan Stevanović and Hans-Georg Rammensee, "Alloreactivity as a source of high affinity peptide-specific human cytotoxic T lymphocytes", *Journal of Immunology* (1999), 162:25-34.
6. Christian Münz, Stefan Stevanović and Hans-Georg Rammensee, "Peptide presentation and NK inhibition by HLA-G", *Journal of Reproductive Immunology* (1999), 43(2): 139-155.
7. Christian Münz, Ulrike Naumann, Cornelia Grimm, Hans-Georg Rammensee and Michael Weller, "Enhanced immunogenicity of human malignant glioma cells engineered to express the proteoglycan decorin", *European Journal of Immunology* (1999), 29(3):1032-1040.
8. John P. Mear, Kathy L. Schreiber, Christian Münz, Xiaoming Zhu, Stefan Stevanović, Hans-Georg Rammensee, Sarah L. Rowland-Jones and Robert A. Colbert, "Misfolding of HLA-B27 as a result of its B pocket suggests a novel mechanism for its role in susceptibility to spondyloarthropathies", *Journal of Immunology* (1999), 163: 6665-6670.
9. Christian Münz, Peter Nickolaus, Eckhard Lammert, Steve Pascolo, Stefan Stevanović and Hans-Georg Rammensee, "The role of peptide presentation in the physiological function of HLA-G", *Seminars in Cancer Biology* (1999), 9(1):47-54.
10. Christian Münz, Kara L. Bickham, Marion Subklewe, Ming L. Tsang, Ann Chahroudi, Michael G. Kurilla, Dan Zhang, Michael O'Donnell and Ralph M. Steinman, "Human CD4⁺ T lymphocytes consistently respond to the EBNA1 latent EBV antigen", *Journal of Experimental Medicine* (2000), 191: 1649-1660.
11. Catarina E. Hioe, Gareth J. Jones, Ann D. Rees, Silvia Ratto-Kim, Deborah Bix, Christian Münz, Mirosław Gorny, Michael Tuen and Susan Zolla-Pazner, "Anti-CD4-binding domain antibodies complexed with HIV type 1 glycoprotein 120 inhibit CD4⁺ T cell-proliferative responses to glycoprotein 120", *AIDS Research and Human Retroviruses* (2000), 16: 893-905.
12. Harpreet Singh-Jasuja, René E. M. Toes, Pieter Spee, Christian Münz, Stephen P. Schoenberger, Paola Ricciardi-Castagnoli, Jacques Neefjes, Hans-Georg Rammensee, Danièle Arnold-Schild and Hansjörg Schild, "Cross-presentation of gp96-associated antigens on MHC class I molecules requires receptor-mediated endocytosis", *Journal of Experimental Medicine* (2000), 191: 1965-1974.

* These authors contributed equally to the work.

13. Peter Krausa, Christian Münz, Wieland Keilholz, Stefan Stevanović, Yvonne Jones, Mike Browning, Mike Bunce, Hans-Georg Rammensee and Andrew McMichael, "Definition of peptide binding motifs amongst the HLA-A*30 allelic group", *Tissue Antigens* (2000), 56: 10-18.
14. Madhav Dhodapkar, Ralph M. Steinman, Joseph Krasovsky, Christian Münz, Nina Bhardwaj, "Antigen specific inhibition of effector T cell function in humans after injection of immature dendritic cells", *Journal of Experimental Medicine* (2001), 193:233-238.
15. Kara Bickham, Christian Münz, Marie Larsson, Ming Li Tsang, Jean-Francois Fonteneau, Nina Bhardwaj and Ralph M. Steinman, "EBNA1-specific CD4⁺ T cells in healthy carriers of Epstein-Barr virus are primarily Th1 in function", *Journal of Clinical Investigation* (2001), 107:121-130.
16. Marion Subklewe, Casper Paludan, Ming L. Tsang, Karsten Mahnke, Ralph M. Steinman and Christian Münz, "Dendritic cells cross-present latency gene products from Epstein-Barr virus transformed B cells and expand tumor-reactive CD8⁺ killer T cells", *Journal of Experimental Medicine* (2001), 193: 405-411.
17. Jean-Francois Fonteneau, Marie Larsson, Selin Somersan, Catherine Sanders, Christian Münz, William W. Kwok, Nina Bhardwaj and Francine Jotereau, "Generation of high quantities of viral and tumor specific human CD4⁺ and CD8⁺ T cell clones using peptide pulsed mature dendritic cells", *Journal of Immunological Methods* (2001), 258: 111-126.
18. Casper Paludan, Kara Bickham, Sarah Nikiforow, Ming L. Tsang, Kiera Goodman, Willem A. Hanekom, Jean-Francois Fonteneau, Stefan Stevanović, and Christian Münz, "EBNA1 specific CD4⁺ Th1 cells kill Burkitt's lymphoma cells", *Journal of Immunology* (2002), 169: 1593-1603.
19. Guido Ferlazzo, Ming L. Tsang, Lorenzo Moretta, Giovanni Melioli, Ralph M. Steinman and Christian Münz, "Human dendritic cells activate resting NK cells and are recognized via the Nkp30 receptor by activated NK cells", *Journal of Experimental Medicine* (2002), 195: 343-351.
20. Christian Münz, Matthias Hofmann, Kenji Yoshida, Antonis K. Moustakas, Hitoshi Kikutani, Stefan Stevanović, George K. Papadopoulos and Hans-Georg Rammensee, "Peptide analysis, stability studies and structure modeling explain contradictory peptide motifs and unique properties of the NOD mouse MHC II molecule H2-A^{g7}", *European Journal of Immunology* (2002), 32: 2105-2116.
21. Kenji Yoshida, Tracy Martin, Ken Yamamoto, Cathleen Dobbs, Christian Münz, Nobushiro Kamikaji, Naoko Nakano, Hans-Georg Rammensee, Takehiko Sasazuki, Kathryn Haskins and Hitoshi Kikutani, "Evidence for shared recognition of a peptide ligand by a diverse panel of non-obese diabetic mice-derived, islet-specific, diabetogenic T cell clones", *International Immunology* (2002), 14: 1439-1447.
22. Rodica Ciubotariu, Ming L. Tsang, Ralph M. Steinman, Nicole Suci-Foca and Christian Münz, "Dendritic cells cross-prime allo-specific self-restricted CD4⁺ T cells after coculture with dead allogeneic cells", *Human Immunology* (2002), 63(7):517-523.
23. Jean-Francois Fonteneau, Michel Gilliet, Marie Larsson, Ida Dasilva, Christian Münz, Yong-Jun Liu and Nina Bhardwaj, "Activation of influenza virus specific CD4⁺ and CD8⁺ T cells: a new role for plasmacytoid dendritic cells in adaptive immunity", *Blood* (2003), 101: 3520-3526.
24. Casper Paludan and Christian Münz, "CD4⁺ T cell responses in the immune control against latent infection by Epstein-Barr virus", *Current Molecular Medicine* (2003), 3: 313-319.

* These authors contributed equally to the work.

25. Sarah Nikiforow, Kim Bottomly, George Miller and Christian Münz, “Cytolytic CD4⁺ T cell clones reactive to EBNA1 inhibit Epstein-Barr virus induced B cell proliferation“, *Journal of Virology* (2003), 77:12088-12104.
26. Kara Bickham, Kiera Goodman, Casper Paludan, Sarah Nikiforow, Ming L. Tsang, Ralph M. Steinman and Christian Münz, “Dendritic cells initiate immune control of Epstein Barr virus transformation of B lymphocytes in vitro“, *Journal of Experimental Medicine* (2003), 198:1653-1663.
27. Kara Bickham and Christian Münz, “Contrasting roles of dendritic cells and B cells in the immune control of Epstein-Barr virus“, *Current topics in Microbiology and Immunology* (2003), 276: 55-76.
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