Academic curriculum vitae: Wilfried ELLMEIER

Date of Birth: September 9, 1966
Place of Birth: Mödling
Nationality: Austrian
Acad. Degree: Mag.Dr. (Ph.D), Professor
Current Position: Full Professor of Immunobiology
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Main Research Interests

Our long-term research interest is to characterize molecular mechanisms that regulate the development and function of T lymphocytes. In ongoing studies we address the following research topics:

• The role of histone deacetylases in the regulation of T cell-mediated immunity
• Transcriptional control of T cell development
• Regulation of peripheral T cell function and maintenance of T cell lineage identity and integrity

The experimental strategies to address our research interests include multi-color flow-cytometry, a variety of immunological tools, biochemical and molecular approaches, retroviral-mediated gene transduction into hematopoietic stem cells, next generation sequencing and mouse molecular genetics tools.

Scientific Education and Career History

1985	University entrance qualification, HTL-Mödling; with distinction
1985 – 1990	Studies in Biochemistry, University of Vienna; with distinction
1989 – 1990	Diploma thesis at the Institute for Molecular Pathology (IMP) in Vienna
1990 – 1994	Doctoral studies, University of Vienna; PhD Thesis performed at the Institute for Molecular Pathology (IMP) in Vienna; with distinction
1995 – 1999	Postdoctoral Fellow in Dan Littman's laboratory, Skirball Institute, Howard Hughes Medical Institute, New York University Medical Center, New York, NY, USA
Since 2000	Group Leader, Institute of Immunology, University of Vienna
12/2002	Habilitation in Immunology, University of Vienna Medical School
2005 – 2007	Associate Professor (a.o.Univ.Prof), Medical University of Vienna
Since 07/2007	Full Professor of Immunobiology

Career-related Fellowships (selected)

1995 – 1997	Erwin-Schrödinger Postdoctoral Fellowship, FWF
2000 - 2002	APART Habilitation Fellowship, Austrian Academy of Sciences

Supervision of Graduate Students and Postdoctoral Fellows

Since 2000	Supervisor of 7 Postdocs, 21 PhD students (14 already finished), 8 master students
Fellowships and prizes won by lab members	Postdoctoral fellowships: German Research Foundation. PhD fellowships: DOC - Austrian Academy of Sciences; Schering foundation; L'Oréal fellowship – women in Science – Austria; Lady Tata fellowship; Prizes: Karl Landsteiner prize (3x); Sanofi-Aventis prize (3x); Best dissertation award (2x)

Teaching Coordination Activities (selected)

Since 2008	Program coordinator of MedUni Wien PhD program "Immunology" (it is one of the largest thematic programs): www.meduniwien.ac.at/phd-immunology
Since 2010	Deputy speaker: FWF/MedUni Wien PhD program "Inflammation and Immunity"

Institutional Responsibilities (Experience in Scientific Management and Organization)(selected)

2011 - now	Speaker of the coordination board of the MedUni Wien "Immunology Research Cluster (IRC)": cluster.meduniwien.ac.at/irc
2019 - now	Speaker and coordinator of the FWF SFB-F70 (Special Research Program)
2020 - now	Deputy Head of the Center for Pathophysiology, Infectiology and Immunology
10/2020 - now	Head of the Institute of Immunology

Commission of Trust (selected)

2000 - now	Reviewer for Nature, Nature Immunology, Nature Medicine, Immunity, Journal of Experimental Medicine, EMBO Journal, Journal of Immunology, European Journal of Immunology, Frontiers in Immunology, Immunology Letters, etc.
2000 - now	Grant reviewer for MRC (UK), Telethon (Italy), ANR (France), Dutch Reumafonds, Czech Science Foundation, BBSRC (UK)
2005 - 2019	Member: Austrian Academy of Sciences APART and DOC fellowship committee
2014 - now	Academic Editor of FEBS Letters
2019 - now	Board member of the Austrian Science Fund (FWF)
2020 - now	President of the Biomedical Alliance in Europe

10 Most Important Publications

86 scientific papers with a cumulative impact factor of >870 (IF value 2019) (>10.7 IF/publication): www.ncbi.nlm.nih.gov/pubmed/?term=ellmeier. Based on Scopus, the publications received more than >7500 citations with a current life-time Hirsch h Index of 35.

1. **Ellmeier, W***, Sunshine, MJ, Maschek, R & Littman, DR. Combined deletion of CD8 locus cis-regulatory elements affects initiation but not maintenance of CD8 expression. **Immunity** 16, 623-634 (2002). *corresponding author (from the transition phase postdoc/independent principal investigator)
2. Bilic, I, Koesters, C, Unger, B, Sekimata, M, Hertweck, A, Maschek, R, Wilson, CB & **Ellmeier, W**. Negative regulation of CD8 expression via Cd8 enhancer-mediated recruitment of the zinc finger protein MAZR. **Nat Immunol** 7, 392-400, doi:10.1038/ni1311 (2006).
3. Raberger, J, Schebesta, A, Sakaguchi, S, Boucheron, N, Blomberg, EM, Bergloef, A, Kolbe, T, Smith, CIE, Rülicke, T and **Ellmeier, W**. The transcriptional regulator PLZF induces the development of CD44 high memory phenotype T cells. **PNAS** 105, 17919-17924, doi:10.1073/pnas.0805733105 (2008).
4. Sakaguchi, S, Hombauer, M, Bilic, I, Naoe, Y, Schebesta, A, Taniuchi, I & **Ellmeier, W**. The zinc-finger protein MAZR is part of the transcription factor network that controls the CD4 versus CD8 lineage fate of double-positive thymocytes. **Nat Immunol** 11, 442-448, doi:10.1038/ni.1860 (2010). (selected in the News & Views section).
5. Hassan, H, Sakaguchi, S, Tenno, M, Kopf, A, Boucheron, N, Carpenter, AC, Egawa, T, Taniuchi, I & **Ellmeier, W**. Cd8 enhancer E8I and Runx factors regulate CD8alpha expression in activated $CD8^+$ T cells. **PNAS** 108, 18330-18335, doi:10.1073/pnas.1105835108 (2011).
6. Boucheron, N, Tschismarov, R, Goschl, L, Moser, Mirjam, Lagger, S, Sakaguchi, S, Winter, Lenz, F, Vitko, D., Breitwieser, FP, Haust, L, Hassan, H, Bennett, KL, Colinge, J, Schreiner, W, Matthias, P, Egawa, T, Taniuchi, I, Matthias, P, Seiser, C & **Ellmeier, W*** CD4(+) T cell lineage integrity is controlled by the histone deacetylases HDAC1 and HDAC2. **Nat Immunol** 15, 439-448, doi:10.1038/ni.2864 (2014). (*shared senior-authorship).
7. Goschl, L, Preglej, T, Hamminger, P, Bonelli, M, Andersen, L, Boucheron, N, Gulich, AF, Muller, L, Saferding, V, Mufazalov, IA, Hirahara, K, Seiser, C, Matthias, P, Penz, T, Schuster, M, Bock, C, Waisman, A, Steiner, G. & **Ellmeier, W.** A T cell-specific deletion of HDAC1 protects against experimental autoimmune encephalomyelitis. **J Autoimmun** 86, 51-61, doi:10.1016/j.jaut.2017.09.008 (2018).
8. Andersen L, Gülich AF, Alteneder M, Preglej T, Orola MJ, Dhele N, Stolz V, Schebesta A, Hamminger P, Hladik A, Floess S, Krausgruber T, Faux T, Andrabi SBA, Huehn J, Knapp S, Sparwasser T, Bock C, Laiho

A, Elo LL, Rasool O, Lahesmaa R, Sakaguchi S, **Ellmeier W**. (2019). The Transcription Factor MAZR/PATZ1 Regulates the Development of FOXP3$^+$ Regulatory T Cells. **Cell Rep**. 29(13):4447-4459.e6. doi: 10.1016/j.celrep.2019.11.089

9. Hainberger D, Stolz V, Zhu C, Schuster M, Müller M, Hamminger P, Rica R, Waltenberger D, Alteneder M, Krausgruber T, Hladik A, Knapp S, Bock C, Trauner M, Farrar, MA and **Ellmeier W**. (2020) NCOR1 orchestrates transcriptional landscapes and effector functions of CD4$^+$ T cells. **Front Immunol**. 11:579. doi: 10.3389/fimmu.2020.00579.
10. Preglej T, Hamminger P, Luu M, Bulat T, Andersen L, Göschl L, Stolz V, Rica R, Sandner L, Waltenberger D, Tschismarov R, Faux T, Boenke T, Laiho A, Elo LL, Sakaguchi S, Steiner G, Decker T, Bohle B, Visekruna A, Bock C, Strobl B, Seiser C, Boucheron N, **Ellmeier W.** (2020). Histone deacetylases 1 and 2 restrain CD4$^+$ cytotoxic T lymphocyte differentiation. **JCI Insight** 5(4). pii: 133393. doi: 10.1172/jci.insight.133393.

Additional Scientific/Scholarly Research Achievements (only 10 allowed according to FWF guidelines, marked with bullet points)

Awards & Prizes (selected)

- 06/2001 START Prize of the Austrian Science Fund (most prestigious prize in Austria for young scientist; similar to ERC Starting Grant), 1110 k€ for 5 years
- Since 05/2012 Member of the Austrian Academy of Sciences

Organization of Scientific Meetings (membership in the steering and/or program committee)(selected)

- Co-organizer of the 2nd and 3rd Harald von Boehmer Midwinter Conference "Advances in Immunobiology", 2017, 2019 Seefeld, Austria.
- Scientific program committee member of the European Congress of Immunology 2021, Belgrade, Serbia
- Designated Steering committee secretary and vice chair of the scientific program committee, IUIS2025 Congress in Vienna, 19.-23.8. 2025 (World Congress of Immunology)

Invited presentations to conferences and/or international advanced schools (selected)

- *05/2019:* Invited talk at the EMBO workshop ThymE: T cell and thymus biology, Weizmann Institute, Rehovot, Israel; part of the Global Thymus Network conference series.
- *09/2020:* Invited talk at the Joint Meeting of the German Society for Immunology (DGfI) the Austrian Society for Allergology and Immunology (ÖGAI), Hannover, Germany (postponed due to Covid-19).
- *09/2020:* Invited talk at the 14th EFIS/EJI Tatra Immunology conference, Slovakia (postponed due to Covid-19).

Research Funding (selected)

Since 2000, I was able to finance my laboratory with 18 internationally peer-reviewed research grants: total funding approx. > 8000 k€. Among the research grants was the highly competitive START prize 2001 of the Austrian Science Fund (similar to an ERC Starting Grant; 1100 k€/5years) and 2 special research programs (SFBs) of the FWF (only SFB funding directly to the Ellmeier group – either for coordination or subproject - has been included in the 8000 k€). One recent major funding is provided by the following grant:

- 03/2019 – 02/2023 Speaker and Coordinator of an Austrian Science Fund (FWF) Special Research Program: SFB-F70. Project title: Histone deacetylases as regulators of T-cell-mediated immunity. Funding for Ellmeier: 968k€ (coordination project) & 370k€ (sub-project) (Funding for the whole network of 8 research groups: 4182k€)

Review writing (selected)

- **Ellmeier, W.** and Seiser, C. (2018). Histone deacetylase function in CD4$^+$ T cells. Nature Reviews Immunology, 18, 617-634; doi: 10.1038/s41577-018-0037-z.

All Publications (including reviews)

1. Eckner, R., **Ellmeier, W**. & Birnstiel, M. L. Mature mRNA 3' end formation stimulates RNA export from the nucleus. EMBO J 10, 3513-3522 (1991).
2. Aguzzi, A., **Ellmeier, W**. & Weith, A. Dominant and recessive molecular changes in neuroblastomas. Brain Pathol 2, 195-208 (1992).
3. **Ellmeier, W**., Aguzzi, A., Kleiner, E., Kurzbauer, R. & Weith, A. Mutually exclusive expression of a helix-loop-helix gene and N-myc in human neuroblastomas and in normal development. EMBO J 11, 2563-2571 (1992).
4. Barnas, C. M., Onyango, P., **Ellmeier, W**., Lengauer, C., Kleiner, E., Henn, T., Brunner, C., Stapleton, P. & Weith, A. Determination and regional assignment of grouped sets of microclones in chromosome 1pter-p35. Genomics 29, 607-615, doi:10.1006/geno.1995.9006 (1995).
5. **Ellmeier, W**. & Weith, A. Expression of the helix-loop-helix gene Id3 during murine embryonic development. Dev Dyn 203, 163-173, doi:10.1002/aja.1002030205 (1995).
6. Deng, H., Liu, R., **Ellmeier, W**., Choe, S., Unutmaz, D., Burkhart, M., Di Marzio, P., Marmon, S., Sutton, R. E., Hill, C. M., Davis, C. B., Peiper, S. C., Schall, T. J., Littman, D. R. & Landau, N. R. Identification of a major co-receptor for primary isolates of HIV-1. Nature 381, 661-666, doi:10.1038/381661a0 (1996).
7. **Ellmeier, W**., Barnas, C., Kobrna, A., Kleiner, E., Kurzbauer, R. & Weith, A. Cloning and characterization of CpG islands of the human chromosome 1p36 region. Genomics 32, 155-158, doi:10.1006/geno.1996.0095 (1996).
8. **Ellmeier, W**., Sunshine, M. J., Losos, K., Hatam, F. & Littman, D. R. An enhancer that directs lineage-specific expression of CD8 in positively selected thymocytes and mature T cells. Immunity 7, 537-547 (1997).
9. **Ellmeier, W**., Sunshine, M. J., Losos, K. & Littman, D. R. Multiple developmental stage-specific enhancers regulate CD8 expression in developing thymocytes and in thymus-independent T cells. Immunity 9, 485-496 (1998).
10. **Ellmeier, W**., Sawada, S. & Littman, D. R. The regulation of CD4 and CD8 coreceptor gene expression during T cell development. Annu Rev Immunol 17, 523-554, doi:10.1146/annurev.immunol.17.1.523 (1999).
11. **Ellmeier, W**., Jung, S., Sunshine, M. J., Hatam, F., Xu, Y., Baltimore, D., Mano, H. & Littman, D. R. Severe B cell deficiency in mice lacking the tec kinase family members Tec and Btk. J Exp Med 192, 1611-1624 (2000).
12. Sun, Z., Arendt, C. W., **Ellmeier, W**., Schaeffer, E. M., Sunshine, M. J., Gandhi, L., Annes, J., Petrzilka, D., Kupfer, A., Schwartzberg, P. L. & Littman, D. R. PKC-theta is required for TCR-induced NF-kappaB activation in mature but not immature T lymphocytes. Nature 404, 402-407, doi:10.1038/35006090 (2000).
13. Donnadieu, E., Lang, V., Bismuth, G., **Ellmeier, W**., Acuto, O., Michel, F. & Trautmann, A. Differential roles of Lck and Itk in T cell response to antigen recognition revealed by calcium imaging and electron microscopy. J Immunol 166, 5540-5549 (2001).
14. **Ellmeier, W**., Sunshine, M. J., Maschek, R. & Littman, D. R. Combined deletion of CD8 locus cis-regulatory elements affects initiation but not maintenance of CD8 expression. Immunity 16, 623-634 (2002).
15. Keppler, O. T., Welte, F. J., Ngo, T. A., Chin, P. S., Patton, K. S., Tsou, C. L., Abbey, N. W., Sharkey, M. E., Grant, R. M., You, Y., Scarborough, J. D., **Ellmeier, W**., Littman, D. R., Stevenson, M., Charo, I. F., Herndier, B. G., Speck, R. F. & Goldsmith, M. A. Progress toward a human CD4/CCR5 transgenic

rat model for de novo infection by human immunodeficiency virus type 1. J Exp Med 195, 719-736 (2002).

16. Kioussis, D. & **Ellmeier, W**. Chromatin and CD4, CD8A and CD8B gene expression during thymic differentiation. Nat Rev Immunol 2, 909-919, doi:10.1038/nri952 (2002).
17. Atkinson, B. T., **Ellmeier, W**. & Watson, S. P. Tec regulates platelet activation by GPVI in the absence of Btk. Blood 102, 3592-3599, doi:10.1182/blood-2003-04-1142 (2003).
18. Madakamutil, L. T., Christen, U., Lena, C. J., Wang-Zhu, Y., Attinger, A., Sundarrajan, M., **Ellmeier, W**., von Herrath, M. G., Jensen, P., Littman, D. R. & Cheroutre, H. CD8alphaalpha-mediated survival and differentiation of CD8 memory T cell precursors. Science 304, 590-593, doi:10.1126/science.1092316 (2004).
19. Schmidt, U., Boucheron, N., Unger, B. & **Ellmeier, W**. The role of Tec family kinases in myeloid cells. Int Arch Allergy Immunol 134, 65-78, doi:10.1159/000078339 (2004).
20. Schmidt, U., van den Akker, E., Parren-van Amelsvoort, M., Litos, G., de Bruijn, M., Gutierrez, L., Hendriks, R. W., **Ellmeier, W**., Lowenberg, B., Beug, H. & von Lindern, M. Btk is required for an efficient response to erythropoietin and for SCF-controlled protection against TRAIL in erythroid progenitors. J Exp Med 199, 785-795, doi:10.1084/jem.20031109 (2004).
21. Taniuchi, I., **Ellmeier, W**. & Littman, D. R. The CD4/CD8 lineage choice: new insights into epigenetic regulation during T cell development. Adv Immunol 83, 55-89, doi:10.1016/S0065-2776(04)83002-5 (2004).
22. Yu, P. W., Tabuchi, R. S., Kato, R. M., Astrakhan, A., Humblet-Baron, S., Kipp, K., Chae, K., **Ellmeier, W**., Witte, O. N. & Rawlings, D. J. Sustained correction of B-cell development and function in a murine model of X-linked agammaglobulinemia (XLA) using retroviral-mediated gene transfer. Blood 104, 1281-1290, doi:10.1182/blood-2003-09-3044 (2004).
23. Feik, N., Bilic, I., Tinhofer, J., Unger, B., Littman, D. R. & **Ellmeier, W**. Functional and molecular analysis of the double-positive stage-specific CD8 enhancer E8III during thymocyte development. J Immunol 174, 1513-1524 (2005).
24. Marquez, M. E., **Ellmeier, W**., Sanchez-Guajardo, V., Freitas, A. A., Acuto, O. & Di Bartolo, V. CD8 T cell sensory adaptation dependent on TCR avidity for self-antigens. J Immunol 175, 7388-7397 (2005).
25. Sarafova, S. D., Erman, B., Yu, Q., Van Laethem, F., Guinter, T., Sharrow, S. O., Feigenbaum, L., Wildt, K. F., **Ellmeier, W**. & Singer, A. Modulation of coreceptor transcription during positive selection dictates lineage fate independently of TCR/coreceptor specificity. Immunity 23, 75-87, doi:10.1016/j.immuni.2005.05.011 (2005).
26. Bilic, I., Koesters, C., Unger, B., Sekimata, M., Hertweck, A., Maschek, R., Wilson, C. B. & **Ellmeier, W**. Negative regulation of CD8 expression via Cd8 enhancer-mediated recruitment of the zinc finger protein MAZR. Nat Immunol 7, 392-400, doi:10.1038/ni1311 (2006).
27. Bilic, I. & **Ellmeier, W**. The role of BTB domain-containing zinc finger proteins in T cell development and function. Immunol Lett 108, 1-9, doi:10.1016/j.imlet.2006.09.007 (2007).
28. Hantschel, O., Rix, U., Schmidt, U., Burckstummer, T., Kneidinger, M., Schutze, G., Colinge, J., Bennett, K. L., **Ellmeier, W**., Valent, P. & Superti-Furga, G. The Btk tyrosine kinase is a major target of the Bcr-Abl inhibitor dasatinib. Proc Natl Acad Sci U S A 104, 13283-13288, doi:10.1073/pnas.0702654104 (2007).
29. Koesters, C., Unger, B., Bilic, I., Schmidt, U., Bluml, S., Lichtenberger, B., Schreiber, M., Stockl, J. & **Ellmeier, W**. Regulation of dendritic cell differentiation and subset distribution by the zinc finger protein CTCF. Immunol Lett 109, 165-174, doi:10.1016/j.imlet.2007.02.006 (2007).

30. Park, J. H., Adoro, S., Lucas, P. J., Sarafova, S. D., Alag, A. S., Doan, L. L., Erman, B., Liu, X., **Ellmeier, W**., Bosselut, R., Feigenbaum, L. & Singer, A. 'Coreceptor tuning': cytokine signals transcriptionally tailor CD8 coreceptor expression to the self-specificity of the TCR. Nat Immunol 8, 1049-1059, doi:10.1038/ni1512 (2007).

31. Taschner, S., Koesters, C., Platzer, B., Jorgl, A., **Ellmeier, W**., Benesch, T. & Strobl, H. Down-regulation of RXRalpha expression is essential for neutrophil development from granulocyte/monocyte progenitors. Blood 109, 971-979, doi:10.1182/blood-2006-04-020552 (2007).

32. Kneidinger, M., Schmidt, U., Rix, U., Gleixner, K. V., Vales, A., Baumgartner, C., Lupinek, C., Weghofer, M., Bennett, K. L., Herrmann, H., Schebesta, A., Thomas, W. R., Vrtala, S., Valenta, R., Lee, F. Y., **Ellmeier, W**., Superti-Furga, G. & Valent, P. The effects of dasatinib on IgE receptor-dependent activation and histamine release in human basophils. Blood 111, 3097-3107, doi:10.1182/blood-2007-08-104372 (2008).

33. Melcher, M., Unger, B., Schmidt, U., Rajantie, I. A., Alitalo, K. & **Ellmeier, W**. Essential roles for the Tec family kinases Tec and Btk in M-CSF receptor signaling pathways that regulate macrophage survival. J Immunol 180, 8048-8056 (2008).

34. Raberger, J., Boucheron, N., Sakaguchi, S., Penninger, J. M. & **Ellmeier, W**. Impaired T-cell development in the absence of Vav1 and Itk. Eur J Immunol 38, 3530-3542, doi:10.1002/eji.200838388 (2008).

35. Raberger, J., Schebesta, A., Sakaguchi, S., Boucheron, N., Blomberg, K. E., Berglof, A., Kolbe, T., Smith, C. I., Rulicke, T. & **Ellmeier, W**. The transcriptional regulator PLZF induces the development of CD44 high memory phenotype T cells. Proc Natl Acad Sci U S A 105, 17919-17924, doi:10.1073/pnas.0805733105 (2008).

36. Shinohara, M., Koga, T., Okamoto, K., Sakaguchi, S., Arai, K., Yasuda, H., Takai, T., Kodama, T., Morio, T., Geha, R. S., Kitamura, D., Kurosaki, T., **Ellmeier, W**. & Takayanagi, H. Tyrosine kinases Btk and Tec regulate osteoclast differentiation by linking RANK and ITAM signals. Cell 132, 794-806, doi:10.1016/j.cell.2007.12.037 (2008).

37. Blomberg, K. E., Boucheron, N., Lindvall, J. M., Yu, L., Raberger, J., Berglof, A., **Ellmeier, W**. & Smith, C. E. Transcriptional signatures of Itk-deficient CD3+, CD4+ and CD8+ T-cells. BMC Genomics 10, 233, doi:10.1186/1471-2164-10-233 (2009).

38. Koprulu, A. D. & **Ellmeier, W**. The role of Tec family kinases in mononuclear phagocytes. Crit Rev Immunol 29, 317-333 (2009).

39. Schmidt, U., Abramova, A., Boucheron, N., Eckelhart, E., Schebesta, A., Bilic, I., Kneidinger, M., Unger, B., Hammer, M., Sibilia, M., Valent, P. & **Ellmeier, W**. The protein tyrosine kinase Tec regulates mast cell function. Eur J Immunol 39, 3228-3238, doi:10.1002/eji.200838839 (2009).

40. Boucheron, N., Sharif, O., Schebesta, A., Croxford, A., Raberger, J., Schmidt, U., Vigl, B., Bauer, J., Bankoti, R., Lassmann, H., Epstein, M. M., Knapp, S., Waisman, A. & **Ellmeier, W**. The protein tyrosine kinase Tec regulates a CD44highCD62L- Th17 subset. J Immunol 185, 5111-5119, doi:10.4049/jimmunol.1001734 (2010).

41. Grausenburger, R., Bilic, I., Boucheron, N., Zupkovitz, G., El-Housseiny, L., Tschismarov, R., Zhang, Y., Rembold, M., Gaisberger, M., Hartl, A., Epstein, M. M., Matthias, P., Seiser, C. & **Ellmeier, W**. Conditional deletion of histone deacetylase 1 in T cells leads to enhanced airway inflammation and increased Th2 cytokine production. J Immunol 185, 3489-3497, doi:10.4049/jimmunol.0903610 (2010).

42. Sakaguchi, S., Hombauer, M., Bilic, I., Naoe, Y., Schebesta, A., Taniuchi, I. & **Ellmeier, W**. The zinc-finger protein MAZR is part of the transcription factor network that controls the CD4 versus CD8 lineage fate of double-positive thymocytes. Nat Immunol 11, 442-448, doi:10.1038/ni.1860 (2010).

43. Collins, A., Hewitt, S. L., Chaumeil, J., Sellars, M., Micsinai, M., Allinne, J., Parisi, F., Nora, E. P., Bolland, D. J., Corcoran, A. E., Kluger, Y., Bosselut, R., **Ellmeier, W**., Chong, M. M., Littman, D. R. & Skok, J. A. RUNX transcription factor-mediated association of Cd4 and Cd8 enables coordinate gene regulation. Immunity 34, 303-314, doi:10.1016/j.immuni.2011.03.004 (2011).

44. **Ellmeier, W**., Abramova, A. & Schebesta, A. Tec family kinases: regulation of FcepsilonRI-mediated mast-cell activation. FEBS J 278, 1990-2000, doi:10.1111/j.1742-4658.2011.08073.x (2011).

45. Hassan, H., Sakaguchi, S., Tenno, M., Kopf, A., Boucheron, N., Carpenter, A. C., Egawa, T., Taniuchi, I. & **Ellmeier, W**. Cd8 enhancer E8I and Runx factors regulate CD8alpha expression in activated CD8+ T cells. Proc Natl Acad Sci U S A 108, 18330-18335, doi:10.1073/pnas.1105835108 (2011).

46. Ormsby, T., Schlecker, E., Ferdin, J., Tessarz, A. S., Angelisova, P., Koprulu, A. D., Borte, M., Warnatz, K., Schulze, I., **Ellmeier, W**., Horejsi, V. & Cerwenka, A. Btk is a positive regulator in the TREM-1/DAP12 signaling pathway. Blood 118, 936-945, doi:10.1182/blood-2010-11-317016 (2011).

47. Taniuchi, I. & **Ellmeier, W**. Transcriptional and epigenetic regulation of CD4/CD8 lineage choice. Adv Immunol 110, 71-110, doi:10.1016/B978-0-12-387663-8.00003-X (2011).

48. Todoric, J., Strobl, B., Jais, A., Boucheron, N., Bayer, M., Amann, S., Lindroos, J., Teperino, R., Prager, G., Bilban, M., **Ellmeier, W**., Krempler, F., Muller, M., Wagner, O., Patsch, W., Pospisilik, J. A. & Esterbauer, H. Cross-talk between interferon-gamma and hedgehog signaling regulates adipogenesis. Diabetes 60, 1668-1676, doi:10.2337/db10-1628 (2011).

49. Xanthos, D. N., Gaderer, S., Drdla, R., Nuro, E., Abramova, A., **Ellmeier, W**. & Sandkuhler, J. Central nervous system mast cells in peripheral inflammatory nociception. Mol Pain 7, 42, doi:10.1186/1744-8069-7-42 (2011).

50. Boucheron, N. & **Ellmeier, W**. The role of Tec family kinases in the regulation of T-helper-cell differentiation. Int Rev Immunol 31, 133-154, doi:10.3109/08830185.2012.664798 (2012).

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