

List of Publications

Original articles:

1. D. Stojkov, P. Amini, K. Oberson, C. Sokollik, A. Duppenthaler, H-U. Simon, **S. Yousefi**: ROS and glutathionylation balance cytoskeletal dynamics in neutrophil extracellular trap formation. *J. Cell Biol.* 2017, in press.
2. N. Germic, D. Stojkov, K. Oberson, **S. Yousefi**, Simon H-U.: Neither eosinophils nor neutrophils require ATG5-dependent autophagy for extracellular DNA trap formation. *Immunology* 2017 Jul 13. doi: 10.1111/imm.12790.
3. A.P. Vicari, A.M. Schoepfer, B. Meresse, L. Goffin, O. Léger, S. Josserand, N. Guégan, **S. Yousefi**, A. Straumann, N. Cerf-Bensussan, H-U. Simon, Chvatchko Y.: Discovery and characterization of a novel humanized anti-IL-15 antibody and its relevance for the treatment of refractory celiac disease and eosinophilic esophagitis. *MAbs.* 9 (2017), 927-944.
4. S. Radonjic-Hoesli, X. Wang, E. de Graauw, C. Stoeckle, B. Styp-Rekowska, R. Hlushchuk, D. Simon, P.J. Spaeth, **S. Yousefi**, Simon H-U.: Adhesion-induced eosinophil cytolysis requires the receptor-interacting protein kinase 3 (RIPK3)-mixed lineage kinase-like (MLKL) signaling pathway, which is counterregulated by autophagy. *J. Allergy Clin. Immunol.* 139 (2017), doi: 10.1016/j.jaci.2017.01.044.
5. E. Gevaert, N. Zhang, O. Krysko, F. Lan, G. Holtappels, N. De Ruyck, H. Nauwynck, **S. Yousefi**, Simon H-U., Bachert C.: Extracellular eosinophilic traps in association with *Staphylococcus aureus* at the site of epithelial barrier defects in patients with severe airway inflammation. *J. Allergy Clin. Immunol.* 139 (2017), 1849-1860.
6. X. Wang, Z. He, H. Liu, **S. Yousefi**, H-U. Simon: Neutrophil Necroptosis is Triggered by Ligation of Adhesion Molecules following GM-CSF Priming. *J. Immunol.* 197 (2016), 4090-4100.
7. C. Stoeckle, **S. Yousefi**, B. Geering, S. Rožman, N. Andina, C. Benarafa, H-U. Simon: RhoH is a negative regulator of eosinophilopoiesis. *Cell Death Differ.* 23 (2016), 1961-1972.
8. P. Amini, X. Wang, D. Stojkov, S. Wicki, T. Kaufmann, W. W-L Wong, H-U. Simon, **S. Yousefi**: NET formation can occur independently of RIPK3 and MLKL signaling. *Eur. J. Immunol.* 46 (2016), 178-184.
9. B. Hurrell, S. Schuster, E. Grün, R. Williams, W. Held, B. Malissen, M. Malissen, **S. Yousefi**, H-U. Simon, A.J. Müller, F. Tacchini-Cottier: Rapid sequestration of *Leishmania mexicana* by neutrophils results in the development of chronic lesion. *PLoS Pathogens* 11 (2015), e1004929.
10. A. Soragni, **S. Yousefi**, C. Stoeckle, A.B. Soriaga, M.R. Sawaya, E. Kozlowski, I. Schmid, S. Radonjic-Hoesli, S. Boutet, G.J. Williams, M. Messerschmidt, M.M. Seibert, D. Cascio, N.A. Zatzepin, M. Burghammer, C. Riekkel, J.-P. Colletier, R. Riek, D. Eisenberg, H-U. Simon: Toxicity of eosinophil MBP is repressed by intracellular crystallization and promoted by extracellular aggregation. *Mol. Cell* 57 (2015), 1011-1021.
11. S. Rozman, **S. Yousefi**, K. Oberson, T. Kaufmann, C. Benarafa, H-U. Simon: The generation of neutrophils in the bone marrow is controlled by autophagy. *Cell Death Differ.* 22 (2015), 445-456.
12. D. Simon, S. Radonjic-Hösli, A. Straumann, **S. Yousefi**, H-U. Simon: Active eosinophilic esophagitis is characterized by epithelial barrier defects and eosinophil extracellular trap formation. *Allergy* 70 (2015), 443-452.
13. **S. Yousefi**, M. Morshed, P. Amini, D. Stojkov, D. Simon, S. von Gunten, T. Kaufmann & H-U. Simon: Basophils exhibit antibacterial activity through extracellular trap formation. *Allergy* 70 (2015), 1184-1188.
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15. H-U. Simon, **S. Yousefi**, I. Schmid, R. Friis: Atg5 can regulate p53 expression and activation. *Cell Death Dis.* 5 (2014), e1339.
16. D. Maskey, **S. Yousefi**, I. Schmid, I. Zlobec, A. Perren, R. Friis, H-U. Simon: Atg5 is induced by DNA-damaging agents and promotes mitotic catastrophe independent of autophagy. *Nat. Commun.* 4 (2013), 2130.
17. H. Liu, Z. He, T. von Rütte, **S. Yousefi**, RE. Hunger, H-U. Simon: Down-regulation of autophagy-related protein (Atg5) contributes to the pathogenesis of early-stage cutaneous melanoma. *Sci. Transl. Med.* 5 (2013), 202ra123.
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27. R. Dworski, H-U. Simon, A. Hoskins, **S. Yousefi**: Eosinophil and neutrophil extracellular DNA traps in human allergic asthmatic airways. *J. Allergy Clin. Immunol.* 127 (2011), 1260-1266.
28. E. Federzoni, G. Gordon, S. Müller, I. Schmid, H-U. Simon, **S. Yousefi**: Expression of CD95 on mature leukocytes of MRL/lpr mice after transplantation of genetically modified bone marrow stem cells. *Immunol. Lett.* 117 (2008), 45-49.
29. **S. Yousefi**, J. A. Gold, N. Andina, J. J. Lee, A. M. Kelly, E. Kozlowski, I. Schmid, A. Straumann, G. J. Gleich, H-U. Simon: Catapult-like release of mitochondrial DNA by eosinophils contributes to anti-bacterial defense. *Nat. Med.* 14 (2008), 949-953.
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43. S. von Gunten, **S. Yousefi**, M. Seitz, S.M. Jacob, T. Schaffner, R. Seger, J. Takala, P.M. Villiger, H-U. Simon: Siglec-9 transduces apoptotic and non-apoptotic death signals into neutrophils depending on the pro-inflammatory cytokine environment. *Blood* 106 (2005), 1423-1431.
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Review articles:

1. **S. Yousefi**, Simon H-U.: NETosis - Does it really represent nature's "Suicide Bomber"? *Front. Immunol.* 7 (2016), 328.
2. D. Simon, **S. Yousefi**, H-U. Simon: Extracellular DNA traps in allergic, infectious, and autoimmune diseases. *Allergy* 68 (2013), 409-416.
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Book chapters:

1. H-U. Simon, D. Simon, **S. Yousefi**: Basophils can form extracellular DNA traps independent of a functional NADPH oxidase. (Eds. M. Maurer and H. Behrendt); Pacini Editore S.p.A., Pisa, 2016, p. 67-70.
2. **S. Yousefi**, D. Simon, H-U. Simon: Eosinophil extracellular traps: potential role(s) in eosinophilic diseases. In: Allergic Diseases: from Mechanisms to Cures (Eds. S.J. Galli and Y.-Y. Kim); Pacini Editore S.p.A., Pisa, 2014, p. 87-89.
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4. H-U. Simon, **S. Yousefi**: Eosinophil-mediated antibacterial host defense. In: Eosinophils in Health and Disease (Eds. J.J. Lee and H.F. Rosenberg); Elsevier Inc., London – Waltham, MA – San Diego, CA, 2013, p. 279-281.
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7. **S. Yousefi**, H-U. Simon: Autophagy in cancer and chemotherapy. In: Death receptors and cognate ligands in cancer (Ed. H. Kalthoff); Springer, Berlin – Heidelberg, 2009, p. 183-190. Results Probl Cell Differ, doi: 10.1007/400_2008_25
8. **S. Yousefi**, D. Simon, H. Nievergelt, and H-U. Simon: In vivo imaging of activated eosinophils in inflamed tissues. In: Proceedings of the 26th Symposium of the Collegiums International allergologium. (Eds. S. Holgate, G. Marone, J. Ring); Hogrefe 2008, p. 58-60.
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