

List of published preliminary research relevant to the research program

Seifert, Ulrike

Peer-reviewed Publications (selection)

1. Gorny X, Säring P, Bergado Acosta JR, Kahl E, Kolodziejczyk MH, Cammann C, Wernecke KEA, Mayer D, Landgraf P, **Seifert U**, Dieterich DC, Fendt M. 2019. Deficiency of the immunoproteasome subunit $\beta 5i/LMP7$ supports the anxiogenic effects of mild stress and facilitates cued fear memory in mice. *Brain Behav Immun* 80:35-43
2. Oh IS, Textoris-Taube K, Sung PS, Kang W, Gorny X, Kähne T, Hong SH, Choi YJ, Cammann C, Naumann M, Kim JH, Park SH, Yoo OJ, Kloetzel PM, **Seifert U**, Shin EC. 2016. Immunoproteasome induction is suppressed in hepatitis C virus-infected cells in a protein kinase R-dependent manner. *Exp Mol Med* 48:e270
3. Möhle L, Israel N, Paarmann K, Krohn M, Pietkiewicz S, Müller A, Lavrik IN, Buguliskis JS, Schott BH, Schlüter D, Gundelfinger ED, Montag D, **Seifert U**, Pahnke J, Dunay IR. 2016. Chronic *Toxoplasma gondii* infection enhances β -amyloid phagocytosis and clearance by recruited monocytes. *Acta Neuropathol Commun* 4:25
4. Ebstein F, Keller M, Paschen A, Walden P, Seeger M, Bürger E, **Krüger E**, Schadendorf D, Kloetzel PM, **Seifert U**. 2016. Exposure to Melan-A/MART-1₂₆₋₃₅ tumor epitope specific CD8+ T cells reveals immune escape by affecting the ubiquitin-proteasome system (UPS). *Sci Rep* 6:25208
5. Rahnefeld A, Klingel K, Schuermann A, Diny NL, Althof N, Lindner A, Bleienheuft P, Savvatis K, Respondek D, Opitz E, Ketscher L, Sauter M, **Seifert U**, Tschöpe C, Poller W, Knobloch KP, Voigt A. 2014. Ubiquitin-like protein ISG15 (interferon-stimulated gene of 15 kDa) in host defense against heart failure in a mouse model of virus-induced cardiomyopathy. *Circulation* 130:1589-1600
6. Ebstein F, Voigt A, Lange N, Warnatsch A, Schröter F, Prozorovski T, Kuckelkorn U, Aktas O, **Seifert U**, Kloetzel PM, **Krüger E**. 2013. Immunoproteasomes are important for proteostasis in immune responses. *Cell* 152:935-937
7. Urban S, Textoris-Taube K, Reimann B, Janek K, Dannenberg T, Ebstein F, Zhao F, Kessler JH, Halenius A, Henklein P, Paschke J, Cadel S, Bernhard H, Ossendorf F, Foulon T, Schadendorf D, Paschen A, **Seifert U**. 2012. The efficiency of HCMV pp65₄₉₅₋₅₀₃ CD8+ T cell epitope generation is determined by the balanced activities of cytosolic and ER-resident peptidases. *J Immunol* 189:529-538
8. Ebstein F, Kloetzel PM, **Krüger E**, **Seifert U**. 2012. Emerging roles of immunoproteasomes beyond MHC class I antigen processing. *Cell Mol Life Sci* 69: 2543-2558 (Review)
9. **Seifert U**, Bialy LP, Ebstein F, Bech-Otshir D, Voigt A, Schröter F, Prozorovski T, Lange N, Steffen J, Rieger M, Kuckelkorn U, Aktas O, Kloetzel PM, **Krüger E**. 2010. Immunoproteasomes preserve protein homeostasis upon interferon-induced oxidative stress. *Cell* 142:613-624
10. Ebstein F, Lange N, Urban S, **Seifert U**, **Krüger E**, Kloetzel PM. 2009. Maturation of human dendritic cells is accompanied by functional remodelling of the ubiquitin-proteasome system. *Int J Biochem Cell Biol* 41:1205-1215