



**Timo Burster**

**Contact**

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## Publications (8)

Zaidi N, Burster T, Sommandas V, Herrmann T, Boehm B, Driessen C, Voelter W, Kalbacher H. A novel cell penetrating aspartic protease inhibitor blocks processing and presentation of tetanus toxoid more efficiently than pepstatin A. *Biochemical and biophysical research communications* 2007; 364:243-9.

Burster T, Kalbacher H, Verhelst S, Weber E, Falk K, Rotzschke O, Dunn S, Boehm B, Marin-Esteban V, Driessen C. Design of protease-resistant myelin basic protein-derived peptides by cleavage site directed amino acid substitutions. *Biochemical pharmacology* 2007; 74:1514-23.

Burster T, Tolosa E, Overkleeft H, Kalbacher H, Youssef S, Boehm B, Falk K, Roetzschke O, Reich M, Baechle D, Øren A, Poeschel S, Beck A, Driessen C. Interferon-gamma regulates cathepsin G activity in microglia-derived lysosomes and controls the proteolytic processing of myelin basic protein in vitro. *Immunology* 2007; 121:82-93.

Burster T, Overkleeft H, Weber E, Häring H, Kalbacher H, Kraus M, Reich M, Weissert R, Schnorrer P, Tolosa E, Beck A, Driessen C. Differential processing of autoantigens in lysosomes from human monocyte-derived and peripheral blood dendritic cells. *Journal of immunology (Baltimore, Md. : 1950)* 2005; 175:5940-9.

Burster T, Kalbacher H, Stevanovic S, Lehmann R, Melms A, Wiendl H, Schwarz G, Brandenburg J, Reich M, Lautwein A, Falk K, Rotzschke O, Marin-Esteban V, Tolosa E, Beck A, Driessen C. Cathepsin G, and not the asparagine-specific endoprotease, controls the processing of myelin basic protein in lysosomes from human B lymphocytes. *Journal of immunology (Baltimore, Md. : 1950)* 2004; 172:5495-503.

Lautwein A, Nordheim A, Kalbacher H, Weber E, Kammer W, Schwarz G, Overkleeft H, Brandenburg J, Burster T, Reich M, Kraus M, Driessen C. Human B lymphoblastoid cells contain distinct patterns of cathepsin activity in endocytic compartments and regulate MHC class II transport in a cathepsin S-independent manner. *Journal of leukocyte biology* 2004; 75:844-55.

Lautwein A, Burster T, Lennon-Duménil A, Overkleeft H, Weber E, Kalbacher H, Driessen C. Inflammatory stimuli recruit cathepsin activity to late endosomal compartments in human dendritic cells. *European journal of immunology* 2002; 32:3348-57.

Schwarz G, Brandenburg J, Reich M, Burster T, Driessen C, Kalbacher H. Characterization of legumain. *Biological chemistry* 2002; 383:1813-6.

## Projects (0)

No results found.

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Kantonsspital St.Gallen

Rorschacher Strasse 95

CH-9007 St.Gallen

T: +41 71 494 11 11

[support.forschung@kssg.ch](mailto:support.forschung@kssg.ch)