

theoretische Abteilung "Biochemie II"

Journalbeiträge

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2. Deneka M, Neeft M, Popa I, van Oort M, Sprong H, Oorschot V, Klumperman J, Schu P, van der Sluijs P (2003) Rabaptin-5alpha/rabaptin-4 serves as a linker between rab4 and gamma(1)-adaptin in membrane recycling from endosomes. *EMBO J*, 22(11): 2645-57.
3. Dierks T, Schmidt B, Borissenko LV, Peng J, Preusser A, Mariappan M, von Figura K (2003) Multiple sulfatase deficiency is caused by mutations in the gene encoding the human C(alpha)-formylglycine generating enzyme. *CELL*, 113(4): 435-44.
4. Dilcher M, Veith B, Chidambaram S, Hartmann E, Schmitt HD, Fischer von Mollard G (2003) Use1p is a yeast SNARE protein required for retrograde traffic to the ER. *EMBO J*, 22(14): 3664-74.
5. Elewaut D, Lawton AP, Nagarajan NA, Maverakis E, Khurana A, Honing S, Benedict CA, Sercarz E, Bakke O, Kronenberg M, Prigozy TI (2003) The adaptor protein AP-3 is required for CD1d-mediated antigen presentation of glycosphingolipids and development of Valpha14i NKT cells. *J EXP MED*, 198(8): 1133-46. Epub 2003 Oct 13.
6. Epple UD, Eskelinen EL, Thumm M (2003) Intravacuolar membrane lysis in *Saccharomyces cerevisiae*. Does vacuolar targeting of Cvt17/Aut5p affect its function? *J BIOL CHEM*, 278(10): 7810-21. Epub 2002 Dec 22.
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9. Haucke V (2003) Where proteins and lipids meet: membrane trafficking on the move. *DEV CELL*, 4(2): 153-7.
10. Haucke V (2003) Vesicle budding: a coat for the COPs. *TRENDS CELL BIOL*, 13(2): 59-60.
11. Hilgendorf A, Lindberg J, Ruzsics Z, Honing S, Elsing A, Lofqvist M, Engelmann H, Burgert HG (2003) Two distinct transport motifs in the adenovirus E3/10.4-14.5 proteins act in concert to down-modulate apoptosis receptors and the epidermal growth factor receptor. *J BIOL CHEM*, 278(51): 51872-84. Epub 2003 Sep 23.
12. Klionsky DJ, Cregg JM, Dunn WA JR, Emr SD, Sakai Y, Sandoval IV, Sibirny A, Subramani S, Thumm M, Veenhuis M, Ohsumi Y (2003) A unified nomenclature for yeast autophagy-related genes. *DEV CELL*, 5(4): 539-45.
13. Koike M, Shibata M, Ohsawa Y, Nakanishi H, Koga T, Kametaka S, Waguri S, Momoi T, Kominami E, Peters C, Figura K, Saftig P, Uchiyama Y (2003) Involvement of two different cell death pathways in retinal atrophy of cathepsin D-deficient mice. *MOL CELL NEUROSCI*, 22(2): 146-61.
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15. Landgrebe J, Dierks T, Schmidt B, von Figura K (2003) The human SUMF1 gene, required for posttranslational sulfatase modification, defines a new gene family which is conserved from pro- to eukaryotes. *GENE*, 316(Oct 16): 47-56.
16. Lemansky P, Gerecitano-Schmidek M, Das RC, Schmidt B, Hasilik A (2003) Targeting myeloperoxidase to azurophilic granules in HL-60 cells. *J LEUKOCYTE BIOL*, 74(4): 542-50. Epub 2003 Jul 1.
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- Yaghootfam A, Schestag F, Dierks T, Gieselmann V (2003) Recognition of arylsulfatase A and B by the UDP-N-acetylglucosamine:lysosomal enzyme N-acetylglucosamine-phosphotransferase. *J BIOL CHEM*, 278(35): 32653-61. Epub 2003 Jun 3.

Habilitationen

- Haucke V, Beiträge zur molekularen Analyse der Endozytose synaptischer Vesikel. Habilitation Universität Göttingen 2003.

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- Hanßke B, Dr. med., "Congenital Disorder of Glycosylation IId (CDG IId)" - Identifizierung eines Defektes der β 1,4-Galaktosyltransferase I. Dissertation Universität Göttingen 2003.

Naturwiss. u.a. nichtmed. Diss.

- Borissenko L, Dr. rer. nat., Posttranslational generation of C alpha-formylglycine in eukaryotic sulfatases: development of the biochemical approach for the characterisation and purification of the modifying enzyme. Dissertation Universität Göttingen 2003.
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- Fang Q, Dr. rer. nat., Post-translational generation of C alpha-formylglycine in prokaryotic sulfatases by radical SAM-proteins. Dissertation Universität Göttingen 2003.
- Guruprasad MR, Dr. rer. nat., Role of adaptor proteins in MPR sorting. Dissertation Universität Göttingen 2003.

Diplomarbeiten

- Albers V, Dipl.-Biol., Klonierung und Charakterisierung zweier Heparanulfat-modulierender Sulfatasen aus *Xenopus laevis*. Diplomarbeit Universität Göttingen 2003.
- Luebbehusen J, Dipl.-Biol., Generierung eines Maus-Modells für Congenital Disorders of Glycosylation Ic (CDG-Ic). Diplomarbeit Universität Göttingen 2003.