

Abteilung "Biochemie II"

Journalbeiträge

1. Adham IM, Khulan J, Held T, Schmidt B, Meyer BI, Meinhardt A, Engel W (2008) Fas-associated factor (FAF1) is required for the early cleavage-stages of mouse embryo. *MOL HUM REPROD*, 14(4): 207-13.
2. Chapuy B, Tikkanen R, Mühlhausen C, Wenzel D, von Figura K, Höning S (2008) AP-1 and AP-3 Mediate Sorting of Melanosomal and Lysosomal Membrane Proteins into Distinct Post-Golgi Trafficking Pathways. *TRAFFIC*, 9(7): 1157-72.
3. Frese MA, Schulz S, Dierks T (2008) Arylsulfatase G, a novel lysosomal sulfatase. *J BIOL CHEM*, 283(17): 11388-95.
4. Gande SL, Mariappan M, Schmidt B, Pringle Thomas H, von Figura K, Dierks T (2008) Paralog of the formylglycine-generating enzyme--retention in the endoplasmic reticulum by canonical and noncanonical signals. *FEBS J*, 275(6): 1118-30.
5. Gebert N, Chacinska A, Wagner K, Guiard B, Koehler Carla M, Rehling P, Pfanner N, Wiedemann N (2008) Assembly of the three small Tim proteins precedes docking to the mitochondrial carrier translocase. *EMBO REP*, 9(6): 548-54.
6. Hutu Dana P, Guiard B, Chacinska A, Becker D, Pfanner N, Rehling P, van der Laan M (2008) Mitochondrial protein import motor: differential role of Tim44 in the recruitment of Pam17 and J-complex to the presequence translocase. *MOL BIOL CELL*, 19(6): 2642-9.
7. Kliensky Daniel J, Abeliovich H, Agostinis P, Agrawal Devendra K, Aliev G, Askew David S, Baba M, Baehrecke Eric H, Bahr Ben A, Ballabio A, Bamber Bruce A, Bassham Diane C, Bergamini E, Bi X, Biard-Piechaczyk M, Blum Janice S, Bredesen Dale E, Brodsky Jeffrey L, Brumell John H, Brunk Ulf T, Bursch W, Camougrand N, Cebollero E, Cecconi F, Yingyu C, Chin LS, Choi A, Chu Charleen T, Chung J, Clarke Peter GH, Clark Robert SB, Clarke Steven G, Gohla A, Goldberg Alfred L, Gonzalez R, Codogno P, Colombo Maria I, Coto-Montes A, Cregg James M, Cuervo AM, Debnath J, Demarchi F, Dennis Patrick B, Dennis Phillip A, Deretic V, Devenish Rodney J, Di Sano F, Dice JF, Difiglia M, Dinesh-Kumar S, Distelhorst Clark W, Djavaheri-Mergny M, Dorsey Frank C, Dröge W, Dron M, Dunn William A, Duszenko M, Eissa NT, Elazar Z, Esclatine A, Eskelinen EL, Fésüs L, Finley Kim D, Fuentes José M, Fueyo J, Fujisaki K, Galliot B, Gao FB, Gewirtz David A, Gibson Spencer B, Lopez-Berestein G, López-Otin C, Lu B, Macleod Kay F, Malorni W, Martinet W, Matsuoka K, Gottlieb Roberta A, Häussinger D, You-Wen H, Heidenreich K, Hill Joseph A, Høyer-Hansen M, Xun H, Huang WP, Iwasaki A, Jäättelä M, Jackson William T, Jiang X, Shengkan J, Johansen T, Jung Jae U, Kadowaki M, Kang C, Kelekar A, Kessel David H, Kiel Jan AKW, Hong Pyo K, Kimchi A, Kinsella Timothy J, Kiselyov K, Kitamoto K, Knecht E, Komatsu M, Kominami E, Kondo S, Kovács Attila L, Kroemer G, Kuan CY, Kumar R, Kundu M, Jacques L, Laporte M, Weidong L, Huan-Yao L, Lenardo Michael J, Levine B, Lieberman A, Lim KL, Lin FC, Liou W, Liu Leroy F, Lopez-Berestein G, López-Otin C, Lu B, Macleod Kay F, Malorni W, Martinet W, Matsuoka K, Mautner J, Meijer Alfred J, Meléndez A, Michels P, Miotto G, Mistiaen Wilhelm P, Mizushima N, Mograbi B, Monastyrka I, Moore Michael N, Moreira Paula I, Moriyasu Y, Motyl T, Münz C, Murphy Leon O, Naqvi Naweed I, Neufeld Thomas P, Nishino I, Nixon Ralph A, Noda T, Nürnberg B, Ogawa M, Oleinick Nancy L, Olsen Laura J, Ozpolat B, Paglin S, Palmer Glen E, Papassideri I, Parkes M, Perlmutter David H, Perry G, Piacentini M, Pinkas-Kramarski R, Prescott M, Proikas-Cezanne T, Raben N, Rami A, Reggiori F, Rohrer B, Rubinsztein David C, Ryan Kevin M, Sadoshima J, Sakagami H, Sakai Y, Sandri M, Sasakawa C, Sass M, Schneider C, Seglen Per O, Seleverstov O, Settleman J, Shacka John J, Shapiro Irving M, Sibirny A, Silva-Zaccarin Elaine CM, Simon HU, Cristiano S, Simonsen A, Smith Mark A, Spanel-Borowski K, Srinivas V, Steeves M, Stenmark H, Stromhaug Per E, Subauste Carlos S, Sugimoto S, Sulzer D, Suzuki T, Swanson Michele S, Tabas I, Takeshita F, Talbot Nicholas J, Tallóczy Z, Tanaka K, Tanaka K, Tanida I, Taylor Graham S, Taylor JP, Terman A, Tettamanti G, Thompson Craig B, Thumm M, Tolkovsky Aviva M, Tooze Sharon A, Truant R, Tumanovska Lesya V, Uchiyama Y, Ueno T, Uzcátegui Néstor L, van der Klei I, Vaquero Eva C, Vellai T, Vogel Michael W, Wang HG, Webster P, Wiley John W, Xi Z, Xiao G, Yahalom J, Jin-Ming Y, Yap G, Yin XM, Yoshimori T, Yu L, Yue Z, Yuzaki M, Zabinryk O, Xiaoxiang Z, Zhu X, Deter Russell L (2008) Guidelines for the use and interpretation of assays for monitoring autophagy in higher eukaryotes. *AUTOPHAGY*, 4(2): 151-75.
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9. Krick R, Henke S, Tolstrup J, Thumm M (2008) Dissecting the localization and function of Atg18, Atg21 and Ygr223c. *AUTOPHAGY*, 4(7): 896-910.
10. Kutik S, Rissler M, Guan XL, Guiard B, Shui G, Gebert N, Heacock Philip N, Rehling P, Dowhan W, Wenk Markus R, Pfanner N, Wiedemann N (2008) The translocator maintenance protein Tam41 is required for mitochondrial cardiolipin biosynthesis. *J CELL BIOL*, 183(7): 1213-21.
11. Lamanna William C, Frese MA, Balleininger M, Dierks T (2008) Sulf loss influences N-, 2-O-, and 6-O-sulfation of multiple heparan sulfate proteoglycans and modulates fibroblast growth factor signaling. *J BIOL CHEM*, 283(41): 27724-35.
12. Mariappan M, Gande SL, Radhakrishnan K, Schmidt B, Dierks T, von Figura K (2008) The non-catalytic N-terminal extension of formylglycine-generating enzyme is required for its biological activity and retention in the endoplasmic reticulum. *J BIOL CHEM*, 283(17): 11556-64.
13. Mariappan M, Radhakrishnan K, Dierks T, Schmidt B, von Figura K (2008) ERp44 mediates a thiol-independent retention of formylglycine-generating enzyme in the endoplasmic reticulum. *J BIOL CHEM*, 283(10): 6375-83.
14. Medigeshi Guruprasad R, Krikunova M, Radhakrishnan K, Wenzel D, Klingauf J, Schu P (2008) AP-1 membrane-cytoplasm recycling regulated by mu1A-adaptin. *TRAFFIC*, 9(1): 121-32.
15. Prick T, Thumm M (2008) Measuring macroautophagy in *S. cerevisiae*: autophagic body accumulation and total protein turnover. *METHOD ENZYMOLOGY*, 451: 57-66.
16. Ricotta D, Hansen J, Preiss C, Teichert D, Höning S (2008) Characterization of a protein phosphatase 2A holoenzyme that dephosphorylates the clathrin adaptors AP-1 and AP-2. *J BIOL CHEM*, 283(9): 5510-7.
17. Santt O, Pfirrmann T, Braun B, Juretschke J, Kimmig P, Scheel H, Hofmann K, Thumm M, Wolf Dieter H (2008) The yeast GID complex, a novel ubiquitin ligase (E3) involved in the regulation of carbohydrate metabolism. *MOL BIOL CELL*, 19(8): 3323-33.
18. Schlotawa L, Steinfeld R, von Figura K, Dierks T, Gärtner J (2008) Molecular analysis of SUMF1 mutations: stability and residual activity of mutant formylglycine-generating enzyme determine disease severity in multiple sulfatase deficiency. *HUM MUTAT*, 29(1): 205.
19. Schu P (2008) Aminopeptidase I enzymatic activity. *METHOD ENZYMOLOGY*, 451: 67-78.
20. Stuart RA, Rehling P (2008) Mitochondrial biogenesis: is an old dog still teaching us new tricks? Meeting on the Assembly of the Mitochondrial Respiratory Chain. *EMBO REP*, 9(1): 33-8.
21. Wagner K, Gebert N, Guiard B, Brandner K, Truscott Kaye N, Wiedemann N, Pfanner N, Rehling P (2008) The assembly pathway of the mitochondrial carrier translocase involves four preprotein translocases. *MOL CELL BIOL*, 28(13): 4251-60.

Abteilung "Biochemie II"

Medizinische Dissertationen

1. Deuschl F, Dr. med., Molekulare Charakterisierung des murinen 66.3-kDa-Proteins. Dissertation Universität Göttingen 2008.
2. Hansen J, Dr. med., Phosphorylierungsstatus des Clathrin-assoziierten Adaptor-Komplexes AP-2 in MDBK-Zellen. Dissertation Universität Göttingen 2008.

Naturwiss. u.a. nichtmed. Diss.

1. Appelles A, Dr. rer. nat., In vivo- und in vitro-Untersuchung der intravakuolären Lyse autophagischer Vesikel in *Saccharomyces cerevisiae*. Dissertation Georg-August-Universität Göttingen 2008.
2. Baltes J, Dr. rer. nat., Etablierung und analyse von knock-out Mausmodellen der sigma1-Untereinheit des AP-1 Komplexes. Dissertation Georg-August-Universität Göttingen 2008.
3. Benkert T, Dr. rer. nat., Charakterisierung der Eaf 1-Funktion für die Biogenese der Amniopeptidase I. Dissertation Universität Göttingen 2008.
4. Lamanna WC, Dr. rer. nat., Functional characterization of the novel heparan sulfate 6O-endosulfatases Sulf1 and Sulf2. Dissertation Georg-August-Universität Göttingen 2008.
5. Schieweck O, Dr. rer. nat., Proteomanalyse lysosomaler Membranen: Identifizierung und Charakterisierung neuer lysosomaler Membranproteine. Dissertation Georg-August-Universität Göttingen 2008.

Diplomarbeiten

1. Hohensee I, Dipl.-Biol., Molekulare und biochemische Analyse des Gene trap musmodells für das 66.3-kDa-Proteins. Diplomarbeit Georg-August-Universität Göttingen 2008.