

Publikationsliste (Stand April 2018)

Dr. Klaus Hollemeyer

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Inês Miranda-Santos, Silvia Gramacho, Marta Pineiro, Karla Martinez-Gomez, Michel Fritz, Klaus Hollemeyer, Armino Salvador, Elmar Heinzle

Mass isotopomer analysis of nucleosides isolated from RNA and DNA using GC-MS

Anal. Chem., 2015, 87 (1), pp 617–623, DOI: 10.1021/ac503305w

33

Michael P. Storz, Christian Brengel, Elisabeth Weidel, Michael Hoffmann, **Klaus Hollemeyer**, Martin Empting, Anke Steinbach, Rolf Müller,[§] Rolf W. Hartmann

Biochemical and Biophysical Analysis of PqsD Inhibitors Revealing Contrary Thermodynamic Profiles of Enantiomers and Tight-binding Mechanism

ACS Chem. Biol. 2013, 8, 2794, 2013, 8, 2794-2801, dx.doi.org/10.1021/cb400530d

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Jutta Mayer, Karin Denger, **Klaus Hollemeyer**, David Schleheck, Alasdair M Cook (2012)

(R)-Cysteate-nitrogen assimilation by *Cupriavidus necator* H16 with excretion of 3-sulfolactate: a patchwork pathway.

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Archives of microbiology 07/2012; 194(11):949-57. DOI:10.1007/s00203-012-0825-y

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Soromani C, Zeng N, **Hollemeyer K**, Heinzle E, Klein MC, Tretter, T, Seaman MNJ, Roemisch K (2012)

N-acetylation and phosphorylation of Sec complex subunits in the ER membrane

BMC Cell Biology 13:34

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Krejčík Z, Schleheck D, **Hollemeyer K**, Cook AM (2012)

A five-gene cluster involved in utilization of taurine-nitrogen and excretion of sulfoacetaldehyde by *Acinetobacter radioresistens* SH164.

Arch Microbiol. 194:857-63.

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Hollemeyer K, Altmeyer W, Heinzle E, Pitra C. (2012)

MALDI-TOF Mass Spectrometry combined with multidimensional Scaling, binary hierarchical Cluster Tree and selected diagnostic Masses improves Species Identification of Neolithic Keratin Sequences from Furs of the Tyrolean Iceman Oetzi

Rapid Commun Mass Spectrom, 26:1735–1745

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Publikationen Hollemeyer

Thomas Fritsch und **Klaus Hollemeyer** (2011)

Verbreitung spätkeltischer Importamphoren im Umfeld des keltischen Oppidums “Hunnenring” bei Otzenhausen (Kr. St. Wendel, Saarland, BRD)

Bull. Soc. Préhist. Luxembourgeoise 33:75-108

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Karin Denger, Thomas Huhn, **Klaus Hollemeyer**, David Schleheck, Alasdair M Cook (2011)

Sulfoquinovose degraded by pure cultures of bacteria with release of C3-organosulfonates: complete degradation in two-member communities.

FEMS Microbiology Letters (Impact Factor: 2.05). 12/2011; 328(1):39-45. DOI:10.1111/j.1574-6968.2011.02477.x

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Niklas J, **Hollemeyer K**, Heinzle E (2011)

High throughput phospholipid quantitation in mammalian cells using MALDI-TOF MS with N-trifluoroacetyl-phosphatidylethanolamine as internal standard

Anal Biochem, 419:351–353, DOI: 10.1016/j.ab.2011.08.030.

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Le Guevel X, Hotzer B, Gregor Jung G, **Hollemeyer K**, Trouillet V, Schneider M (2011)

Formation of Fluorescent Metal (Au, Ag) Nanoclusters Capped in Bovine Serum Albumin Followed by Fluorescence and Spectroscopy

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J Phys Chem C, 115:10955-10963. DOI: 10.1021/jp111820b

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Weinitschke S, **Hollemeyer K**, Kusian B, Bowien B, Smits TH, Cook AM (2010)

Sulfoacetate Is Degraded via a Novel Pathway Involving Sulfoacetyl-CoA and Sulfoacetaldehyde in *Cupriavidus necator* H16.

J Biol Chem 285:35249-54.

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Mayer J, Huhn T, Habeck M, Denger K, **Hollemeyer K**, Cook AM (2010)

2,3-Dihydroxypropane-1-sulfonate degraded by *Cupriavidus pinatubonensis* JMP134: purification of dihydroxypropanesulfonate 3-dehydrogenase.

Microbiol. 156:1556-64.

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Zdenek Krejčík, **Klaus Hollemeyer**, Theo H M Smits, Alasdair M Cook

Isethionate formation from taurine in *Chromohalobacter salexigens*: purification of sulfoacetaldehyde reductase.

Microbiology (Impact Factor: 3.06). 05/2010; 156(Pt 5):1547-55. DOI:10.1099/mic.0.036699-0

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Pföhler C, **Hollemeyer K**, Heinzle E, Altmeyer W, Graeber S, Müller C, Stark A, Jager S, Tilgen W (2009)

Matrix-assisted laser desorption/ionization time-of-flight mass spectrometry (MALDI-TOF MS): a new tool in diagnostic investigation of nail disorders?

Exp Dermatol, 18:880-2.

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Hollemeyer K, Altmeyer W, Heinzle E, Pitra C. (2008)

Species identification of Oetzi's clothing with matrix-assisted laser desorption/ionization time-of-flight mass spectrometry based on peptide pattern similarities of hair digests.

Rapid Commun Mass Spectrom 22:2751-67.

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Zdeněk Krejčík, Karin Denger, Sonja Weinitschke, **Klaus Hollemeyer**, Václav Paces, Alasdair M Cook, Theo H M Smits

Sulfoacetate released during the assimilation of taurine-nitrogen by *Neptuniibacter caesariensis*: purification of sulfoacetaldehyde dehydrogenase.

Archives of Microbiology (Impact Factor: 1.91). 09/2008; 190(2):159-68. DOI:10.1007/s00203-008-0386-2

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Denger K, Mayer J, **Hollemeyer K**, Cook A (2008)

Amphoteric surfactant N-oleoyl-N-methyltaurine utilized by *Pseudomonas alcaligenes* with excretion of N-methyltaurine.

FEMS Microbiology Letters 288:112-7.

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Mayer J, Denger K, Kaspar K, **Hollemeyer K**, Smits THM, Huhn T, Cook AM (2008)

Assimilation of homotaurine-nitrogen by *Burkholderia* sp. and excretion of sulfopropanoate

FEMS Microbiol Lett 279:77-82. doi:10.1111/j.1574-6968.2007.01014.x

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Hollemeyer K, Altmeyer W, Heinzle E (2007)

Identification of Furs of Domestic Dog, Raccoon Dog, Rabbit and Domestic Cat by Hair Analysis using MALDI –TOF Mass Spectrometry.

Spectroscopy Europe 19(2):8-15.

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Hollemeyer K, Velagapudi VR, Wittmann C, Heinzle E (2007)

Matrix-assisted laser desorption/ionization time-of-flight mass spectrometry for metabolic flux analyses using isotope-labeled ethanol.

Rapid Commun.Mass Spectrom. 21, 336-342.

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Mayer J, Denger K, Smits THM, **Hollemeyer K**, Groth U, Cook A (2006)

N-Acetyltaurine dissimilated via taurine by *Delftia acidovorans* NAT

Archives Microbiol. 186:61-7.

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Weinitschke S, Denger K, Smits THM, **Hollemeyer K**, Cook AM (2006)

The sulfonated osmolyte N-methyltaurine is dissimilated by *Alcaligenes faecalis* and by *Paracoccus versutus* with release of methylamine.

Microbiology 152:1179-1186.

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Rein U, Gueta R, Denger K, Ruff J, **Hollemeyer K**, Cook A. (2005)

Dissimilation of cysteate via 3-sulfolactate sulfo-lyase and a sulphate exporter in *Paracoccus pantotrophus* NKNCYSA.

Microbiology, 151:737-47.

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Hollemeyer K, Jager S, Altmeyer W, Heinzle E. (2005)

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Proteolytic peptide patterns as indicators for fungal infections and nonfungal affections of human nails measured by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry.

Anal Biochem. 338:326-31.

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Denger, K., Weinitzschke S., **Hollemeyer, K.** , Cook, A.M. (2004)

Sulfoacetate generated by Rhodospseudomonas palustris from taurine.

Arch. Microbiol., 182:254-258.

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Mathur, S., Hassel, M., Steiner, F., **Hollemeyer, K.**, Hartmann, R.W. (2003)

Development of a New Approach for Screening Combinatorial Libraries Using MALDI-TOF-MS and HPLC-ESI-MS/MS

J. Biomol. Screening 8, 136-148

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Hollemeyer, K., Heinzle, E., Tholey, A. (2002)

Identification of oxidized methionine residues in peptides containing two methionine residues by derivatization and MALDI-TOF mass spectrometry.

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Proteomics 2, 1524-1531.

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Hollemeyer, K., Altmeyer, W., Heinzle, E. (2002)

Identification and quantification of feathers, down and hair of avian and mammalian origin using MALDI-TOF- mass spectrometry.

Anal. Chem., 74, 5960-5968, 2002

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Tholey, A., Wittmann, C., Kang, M.-J., Bungert, D., **Hollemeyer, K.**, Heinzle, E. (2002)

Derivatization of small biomolecules for optimized matrix-assisted laser desorption/ionization mass spectrometry.

J. Mass Spectrom. 37, 963-973

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Speicher A., **Hollemeyer K.**, Heinzle E. (2001)

Rapid detection of chlorinated bisbibenzyls in *Bazzania trilobata* using MALDI-TOF Mass spectrometry.

Phytochemistry 57, 303-306.

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Speicher, A., **Hollemeyer, K.**, Heinzle, E. (2001)

Rapid detection of multiple chlorinated bis(bibenzyls) in bryophyte crude extracts using laser desorption/ionization time-of-flight mass spectrometry.

Rapid Commun. Mass Spectrom. 2001, 15, 124-127.

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Roethlisberger, P., Iida-Tanaka, N., **Hollemeyer, K.**, Heinzle, E., Ishizuka, I., Fischer, W. (2000)

Unique poly(glycerophosphate)lipoteichoic acid and the glycolipids of a Streptococcus sp. closely related to Pneumococcus.

Eur. J. Biochem. 267, 5520-5530.

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M. Köhler, S. Sen, C. Miyashita, R. Hermes, G. Pindur, M. Heiden, G. Berg, S. Mörsdorf, G. Leipnitz, M. Zeppezauer, H. Schieffer, E. Wenzel, A. Schönberger, **K. Hollemeyer**

Half-life of single-chain urokinase-type plasminogen activator (scu-PA) and two-chain urokinase-type plasminogen activator (tcu-PA) in patients with acute myocardial infarction

Thrombosis Research, 05/1991; DOI:10.1016/0049-3848(91)90670-R

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Publikationen Hollemeyer

Klaus Hollemeyer

Über die Charakterisierung antigener Derivate des Homöostatischen Thymushormons (HTH) durch monoklonale Antikörper.

ABSTRACT Saarbrücken, Univ., Diss., 1986 (Nicht f.d. Austausch).