

I. Publication list

333. Fengler, V.H.I, Macheiner, T., Kessler, S.M., Czepukojc, B., Gemperlein, K., Müller, R., Kiemer, A.K., Magnes, C., Haybaeck, J., Lackner, C. and Sargsyan, K. (2016) Susceptibility of different mouse wild type strains to develop diet-included NAFLD/AFLD-associated liver disease, **PLoS One**, 11(5):e0155163.
332. Tautz, T., Hoffmann, J., Hoffmann, T., Steinmetz, H., Washausen, P., Kunze, B., Huch, V., Kitsche, A., Reichenbach, H., Höfle, G., **Müller, R.*** and Kalesse, M.* (2016) Isolation, structure elucidation, biosynthesis, and synthesis of antalid, a secondary metabolite from *Polyangium species*, **Org. Lett.**, epub ahead of print.
* Corresponding authors
331. Kessler, S.M., Laggai, S., Van Wonterg, E., Gemperlein, K., **Müller, R.**, Haybaeck, J., Vandenbroucke, R.E., Ogris, M., Libert, C. and Kiemer, A.K. (2016) Transient hepatic overexpression of insulin-like growth factor 2 induces free cholesterol and lipid droplet formation, **Front. Physiol.**, 7:147, 1-11.
330. Schneider, L.S., Ulrich, M. Lehr, T., Menche, D., **Müller, R.** and von Schwarzenberg, K. (2016) MDM2 antagonist nutlin-3a sensitizes tumors to V-ATPase inhibition, **Mol. Oncol.**, epub ahead of print.
329. Salamanca-Pinzon, S.G., Khatri, Y., Carius, Y., Keller, L., **Müller, R.**, Lancaster, C.R.D. and Bernhardt, R. (2016) Structure-function analysis for the hydroxylation of Δ^4 C21-steroids by the myxobacterial CYP260B1, **FEBS Lett.**, epub ahead of print.
328. Bock, T., Kasten, J., **Müller R.** and Blankenfeldt, W. (2016) Crystal structure of the HMG-CoA synthase MvaS from the Gram-negative bacterium *Myxococcus xanthus*, **ChemBioChem**, epub ahead of print.
327. Tu, Q., Yin, J., Fu, J., Herrmann, J., Li, Y., Yin, Y, Stewart, A.F., **Müller R.** and Zhang, Y. (2016) Room temperature electrocompetent bacterial cells improve DNA transformation and recombineering efficiency, **Sci. Rep.**, 6: 24648.
326. Awal, R.P., Garcia R. and **Müller, R.** (2016) *Racemicystis crocea* gen. nov., a novel soil myxobacterium in Polyangiaceae, **Int. J. Syst. Evol. Microbiol.**, epub ahead of print.
325. Lohße, A., Kolinko, I., Raschdorf, O., Uebe, R., Borg, S., Brachmann, A., Plitzko, J.M., **Müller, R.**, Zhang, Y. and Schüler, D. (2016) Overproduction of magnetosomes by genomic amplification of biosynthetic gene clusters in a magnetotactic bacterium, **Appl. Environ. Microbiol.**, 82:10 3032-3041.
324. Zaburannyi, N., Bunk, B., Maier, J., Overmann, J. and **Müller R.** (2016) Genome analysis of the fruiting body-forming myxobacterium *Chondromyces crocatus* reveals high potential for natural product biosynthesis, **Appl. Environ. Microbiol.**, 82 (6), 1945-57.
323. Wang, H., Li, Z., Jia, R., Hou, Y., Yin, J., Bian, X., Li, A., **Müller, R.**, Stewart, A.F., Fu, J. and Zhang, Y. (2016) RecET direct cloning and Red $\alpha\beta$ recombineering of biosynthetic gene clusters, large operons or single genes for heterologous expression, **Nat. Methods**, epub ahead of print.

322. Wu, H., Wang, Y., Yuan, L., Mao, Y., Wang, W., Zhu, L., Wu, P., Fu, C., **Müller, R.**, Weaver, D.T., Zhang, L. and Zang, B. (2016) Inactivation of SACE_3446, a Tetr family transcriptional regulator, stimulates erythromycin production in *Saccharopolyspora erythraea*, **Synthetic and Systems Biotechnology**, epub ahead of print.
321. Tu, Q., Herrmann, J., Hu, S., Raju, R., Bian, X., Zhang, Y. and **Müller, R.** (2016) Genetic engineering and heterologous expression of the disorazol biosynthetic gene cluster via Red/ET recombineering, **Sci. Rep.**, 6: 21066.
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