

Original papers in peer reviewed journals  
Review articles in peer reviewed journals  
Book chapters  
Publications from the workgroup without RM as author

## I. Publication list

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.
320. Essig, S., Schmalzbauer, B., Bretzke, S., Scherer, O., Koeberle, A., Werz, O., **Müller, R.** and Menche, D. (2016) Predictive bioinformatic assignment of methyl-bearing stereocenters, total synthesis, and an additional molecular target of ajudazol B, **J. Org. Chem.**, 81 (4): 1333 – 1357.
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316. Jackson, D., Tu, Stephanie S., Nguyen, M., Barajas, J., Schaub, A., Krug, D., Pistorius, D., Luo, R., **Müller, R.** and Tsai, S.C. (2016) Structural insights into anthranilate priming during type II polyketide biosynthesis, **ACS Chem. Biol.**, 11 (1): 95-103.
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312. Hoffmann, T., Dorrestein, P.C. (2015) Homogeneous matrix deposition on dried agar for MALDI imaging mass spectrometry of microbial cultures, **J. Am. Soc. Mass. Spectrom.**, 26(11): 1959-62.
311. Garcia, R., Stadler, M., Gemperlein, K. and **Müller, R.** (2015) *Aetherobacter fasciculatus* gen. nov., sp. nov. and *Aetherobacter rufus* gen. nov., sp. nov., two novel myxobacteria with promising biotechnological applications, **Int. J. Syst. Evol. Microbiol.**, epub ahead of print.
310. Yin, J., Hoffmann, M., Bian, X., Tu, Q., Yan, F., Xia, L., Ding, X., Stewart, A.F., **Müller, R.**, Fu, J., and Zhang, Y. (2015) Direct cloning and heterologous expression of the salinomycin biosynthetic gene cluster from *Streptomyces albus* DSM41398 in *Streptomyces coelicolor* A3(2), **Sci. Rep.**, 5: 15081.
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