

Publications

Raguž L, Peng CC, Rutaganira FUN, Krüger T, Stanišić A, Jautzus T, Kries H, Kniemeyer O, Brakhage AA, King N, Beemelmans C (2022) Total synthesis and functional evaluation of IORs, sulfonolipid-based inhibitors of cell differentiation in *Salpingoeca rosetta*. *Angew Chem Int Ed* 61(41), e202209105.

Amiri Moghaddam J, Jautzus T, Alanjary M, Beemelmans C (2021) Recent highlights of biosynthetic studies on marine natural products. *Org Biomol Chem* 19(1), 123-140. (Review)

Lechnitz D, Peng CC, Raguž L, Rutaganira FUN, Jautzus T, Regestein L, King N, Beemelmans C (2021) Structural and functional analysis of bacterial sulfonosphingolipids and rosette-inducing factor 2 (RIF-2) by mass spectrometry-guided isolation and total synthesis. *Chemistry* 28(8), e202103883.

Hölscher T, Schiklang T, Dragoš A, Dietel AK, Kost C, Kovács ÁT (2018) Impaired competence in flagellar mutants of *Bacillus subtilis* is connected to the regulatory network governed by DegU. *Environ Microbiol Rep* 10(1), 23-32.

Richter A, Hölscher T, Pausch P, Sehr T, Brockhaus F, Bange G, Kovács ÁT (2018) Hampered motility promotes the evolution of wrinkly phenotype in *Bacillus subtilis*. *BMC Evol Biol* 18(1), 155.

Hölscher T, Kovács ÁT (2017) Sliding on the surface: bacterial spreading without an active motor. *Environ Microbiol* 19(7), 2537-2545.

Martin M, Dragoš A, Hölscher T, Maróti G, Bálint B, Westermann M, Kovács ÁT (2017) De novo evolved interference competition promotes the spread of biofilm defectors. *Nat Commun* 8, 15127.

Mhatre E, Sundaram A, Hölscher T, Mühlstädt M, Bossert J, Kovács ÁT (2017) Presence of Calcium Lowers the Expansion of *Bacillus subtilis* Colony Biofilms. *Microorganisms* 5(1),

Hölscher T, Dragoš A, Gallegos-Monterrosa R, Martin M, Mhatre E, Richter A, Kovács ÁT (2016) Monitoring Spatial Segregation in Surface Colonizing Microbial Populations. *J Vis Exp* (116),

Martin M, Hölscher T, Dragoš A, Cooper VS, Kovács ÁT (2016) Laboratory Evolution of Microbial Interactions in Bacterial Biofilms. *J Bacteriol* 198(19), 2564-2571.

Mhatre E, Troszok A, Gallegos-Monterrosa R, Lindstädt S, Hölscher T, Kuipers OP, Kovács ÁT (2016) The impact of manganese on biofilm development of *Bacillus subtilis*. *Microbiology* 162(8), 1468-1478.

Grau RR, de Oña P, Kunert M, Leñini C, Gallegos-Monterrosa R, Mhatre E, Vileta D, Donato V, Hölscher T, Boland W, Kuipers OP, Kovács ÁT (2015) A Duo of Potassium-Responsive Histidine Kinases Govern the Multicellular Destiny of *Bacillus subtilis*. *MBio* 6(4), e00581.

Hölscher T, Bartels B, Lin YC, Gallegos-Monterrosa R, Price-Whelan A, Kolter R, Dietrich LEP, Kovács ÁT (2015) Motility, Chemotaxis and Aerotaxis Contribute to Competitiveness during Bacterial Pellicle Biofilm Development. *J Mol Biol* 427(23), 3695-3708.

Lander CM, Eadie MJ, Tyrer JH (1975) Interactions between anticonvulsants. *Proc Aust Assoc*

Neurol 12, 111-116.

*equal contribution #corresponding author