Publications

Jojić K*, Gherlone F*, Cseresnyés Z, Bissell AU, Hoefgen S, Hoffmann S, Huang Y, Janevska S, Figge MT, Valiante V (2024) The spatial organization of sphingofungin biosynthesis in *Aspergillus fumigatus* and its cross-interaction with sphingolipid metabolism. *mBio* 15(3), e0019524.

Bissell AU, Rautschek J, Hoefgen S, Raguž L, Mattern DJ, Saeed N, Janevska S, Jojić K, Huang Y, Kufs JE, Herboeck B, Guo H, Hillmann F, Beemelmanns C, Valiante V (2022) Biosynthesis of the sphingolipid inhibitors sphingofungins in filamentous fungi requires aminomalonate as a metabolic precursor. *ACS Chem Biol* 17(2), 386-394.

Hoefgen S, Bissell AU, Huang Y, Gherlone F, Raguž L, Beemelmanns C, Valiante V (2022) Desaturation of the sphingofungin polyketide tail results in increased serine palmitoyltransferase inhibition. *Microbiol Spectr* 10(5), e0133122.

Huang Y, Valiante V (2022) Chemical diversity and biosynthesis of drimane-type sesquiterpenes in the fungal kingdom. *ChemBioChem* 23(17), e202200173. (Review)

Huang Y*, Hoefgen S*, Gherlone F, Valiante V (2022) Intrinsic ability of the ß-oxidation pathway to produce bioactive styrylpyrones. *Angew Chem Int Ed* 61(34), e202206851.

Maehler D, Hoefgen S, Münchberg U, Schmitz OJ, Rautschek J, Huang Y, Freier E, Valiante V (2022) Time-resolved multiparameter analytics on a cell-free production platform for acyl-CoA precursors. *Anal Sci Adv* 3, 289-296.

Huang Y, Höfgen S, Valiante V (2021) Biosynthesis of fungal drimane-type sesquiterpene esters. *Angew Chem Int Ed* 60(44), 23763-23770.

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