

# Publications

Müll M, Pourmasoumi F, Wehrhan L, Nosovska O, Stephan P, Zeihe H, Vilotijevic I, Keller BG, Kries H (2023) Biosynthetic incorporation of fluorinated amino acids into the nonribosomal peptide gramicidin S. *RSC Chem Biol* 4(9), 692-697.

Pourmasoumi F, Hengoju S, Beck K, Stephan P, Klopffleisch L, Hoernke M, Rosenbaum MA, Kries H (2023) Analysing megasynthetase mutants at high throughput using droplet microfluidics. *ChemBiochem* 24(24), e202300680.

Stephan P, Langley C, Winkler D, Basquin J, Caputi L, O'Connor SE, Kries H (2023) Directed evolution of piperazic acid incorporation by a nonribosomal peptide synthetase. *Angew Chem Int Ed Engl* 62(35), e202304843.

Stanišić A, Hüsken A, Stephan P, Niquille DL, Reinstein J, Kries H (2021) Engineered nonribosomal peptide synthetase shows opposite amino acid loading and condensation specificity. *ACS Catal* 11(14), 8692-8700.

Huang HM, Stephan P, Kries H (2020) Engineering DNA-templated nonribosomal peptide synthesis. *Cell Chem Biol* 28(2), 221-227.

Guo H, Schmidt A, Stephan P, Raguž L, Braga D, Kaiser M, Dahse HM, Weigel C, Lackner G, Beemelmans C (2018) Precursor-directed diversification of cyclic tetrapeptidic pseudoxylallemycins. *ChemBioChem* 19(21), 2307-2311.

\*equal contribution #corresponding author