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The objective was approached in four projects, each focussing on a different aspect of the glycosylation reaction carried out by glycosynthases. These encompassed the influence of temperature on the glycosylation reaction by applying mutated glycosidases with extremophilic properties; a substrate based approach to glycosynthase development in order to enable glycosylation of phenolic compounds; studies toward the development of an α-L-rhamnosynthase; and the transfer of large glycoside structures to small molecules by endo-\(N\)-acetylglucosaminidases.
Glycosynthases – tuning glycosidase activity towards glycoside diversification and synthesis

Marc Richard Hayes
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