

Discovery and applications of enzymes in the synthesis of drugs and drug candidates

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Biocatalysis has gained tremendous relevance in pharmaceutical industry over last decade. It has proven its utility in delivering green, atom efficient and economically viable routes, as well as frequently facilitating routes, inaccessible to traditional synthetic chemistry, towards drug candidates and APIs. It is considered as one of the top priority technologies for drug substance manufacturing at Novartis and is applied to the synthesis of APIs at all stages across the drug development cycle.

This talk covers several key aspects of biocatalysis in discovery and in development of drugs and drug candidates, including the importance of enzyme discovery and engineering.