

# BIOCATALYSIS IN DRUG DISCOVERY AND DRUG DEVELOPMENT: REIMAGINING THE MANUFACTURE OF MEDICINE AT NOVARTIS

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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 will cover several aspects of biocatalysis in drug discovery and development, including example of development of an antimalarian drug, and the importance of enzyme discovery and engineering.

