

N°1245 / PC TOPIC(s) : Industrial biocatalysis

Accelerating The Adoption of Biocatalysis In the Pharmaceutical Industry

AUTHORS

Alba DIAZ-RODRIGUEZ / GSK, GUNNELS WOOD ROAD, STEVENAGE

PURPOSE OF THE ABSTRACT

The use of biocatalysis in the production of active pharmaceutical ingredients has seen a marked increase over the past decade. The biocatalytic toolbox available to chemists has continued to expand and new enzymes collections are commercially available.

Despite this, the adoption of biocatalysis in early discovery chemistry or pharmaceutical manufacturing routes has a number of specific challenges. In this poster we will explain our approach to using biocatalysis and new technologies in early discovery but also later in development.

We will be highlighting a few recent capabilities and enzyme classes we have worked on as well as recent internal and external examples.

FIGURE 1

FIGURE 2

KEYWORDS

BIBLIOGRAPHY