

## **SOLVAY COLLOQUIUM**



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## **Al-accelerated Organic Synthesis**

Al-accelerated organic synthesis is an emerging field that uses machine learning algorithms to improve the efficiency and productivity of chemical synthesis. Modern machine learning models, such as large language models, can capture the knowledge hidden in large chemical databases to rapidly design and discover new compounds, predict the outcome of reactions, and help optimise chemical reactions. One of the key advantages of Al-accelerated organic synthesis is its ability to make vast chemical data accessible and predict promising candidate synthesis paths, potentially leading to breakthrough discoveries. Overall, Al is poised to revolutionise the field of organic synthesis, enabling faster and more efficient drug development, catalysis, and other applications.

## Monday 24 April 2023 at 4:30 P.M.

COFFEE AND TEA WILL BE SERVED AT 4:15 P.M IN FRONT OF THE SOLVAY ROOM

(BUILDING NO - 5TH FLOOR - SOLVAY ROOM)

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