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Aldrich Chemistry Lecture

Improving Efficiency in Organic Synthesis: Strategies and Applications



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Date:	Giovedì 28 Aprile 2016
Time:	ore 14.30
Place:	Aula C, Dipartimento di Chimica, Università degli Studi di Parma
Presented By:	Prof. Mark Lautens

Coordinators

Prof. Marta Catellani, Prof. Elena Motti and Prof. Franca Zanardi Dipartimenti di Chimica e di Farmacia, Università di Parma

Dr. Assunta Romano Sigma-Aldrich srl, Merck

Overview

We have initiated several programs designed to improve efficiency in the synthesis of bioactive compounds. Among the strategies we are exploring are isomerization reactions that lead to no loss or gain of atoms. A second approach is to combine multiple catalysts and ligands in the same flask and conduct domino catalytic processes with orthogonally reacting catalyst bound to specific ligands.

Prof Mark Lautens: Biography

Mark Lautens has completed his PhD in the laboratories of Barry M. Trost at the University of Wisconsin-Madison in 1985 followed by postdoctoral studies with David A. Evans at Harvard University. He has taken his position at the University of Toronto in 1987 and now holds the rank of University Professor, J.B. Jones Distinguished Professor and AstraZeneca Endowed Chair in Organic Synthesis.

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