

Add  Aldrich

Please join us for a Chemistry Seminar:

## New Chemical Technology for Discovery and Development

Presented by: Dr. Sarah LJ Trice, Sigma-Aldrich Corporation

**Date:** 18 / 02 /  
2015

**Time:** 15.00

**SALA PARRAVANO**

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*Sarah Trice, Market Segment Manager at Sigma-Aldrich, will be presenting on some re- cent methods and highlighting the commercially available reagents and catalysts used for those transformations. The following topics will be covered:*

- **Fluorine Incorporation** – Electrophilic and nucleophilic fluorination, deoxyfluorination, trifluoromethylation and more
- **Cross-Coupling** – Palladacycle precatalysts, PEPPSI™, cross-coupling in water and more
- **C-H Functionalization** – “Innate” with Baran sulfonates and “Directed” with Yu and Chen auxiliaries
- **Greener Chemistry** – Solvents, amide coupling (catalytic amidation), amine synthesis, and COMU®
- **Photocatalysis** – New catalysts and advances in the field

### DIPARTIMENTO DI CHIMICA – UNIVERSITA' LA SAPIENZA

Proponenti: dott. Stefano Di Stefano, dott. Mauro Bassetti

#### About the presenter:



*Sarah received her B.S. in Chemistry from Northern Arizona University in 2005. She was recruited by Merck & Co.'s medicinal chemistry group in Philadelphia as a research scientist to develop novel HIV therapies. In 2009 she took employer-sponsored leave and joined Gary Molander's graduate research laboratory at the University of Pennsylvania to focus on the development and practical application of Bis-Boronic Acid (BBA) as a PhD candidate. After completing her PhD in 2012 she returned to Merck where she served as a therapeutic project team leader and developed an interdepartmental catalytic screening center. Sarah recently brought her catalysis and organic*

*chemistry expertise to Sigma-Aldrich and currently serves as the Market Segment Manager for Catalysis products.*

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