



19th European Symposium on Organic Chemistry

12th – 16th July 2015

Lisbon, Portugal



New emerging areas in Organic Chemistry

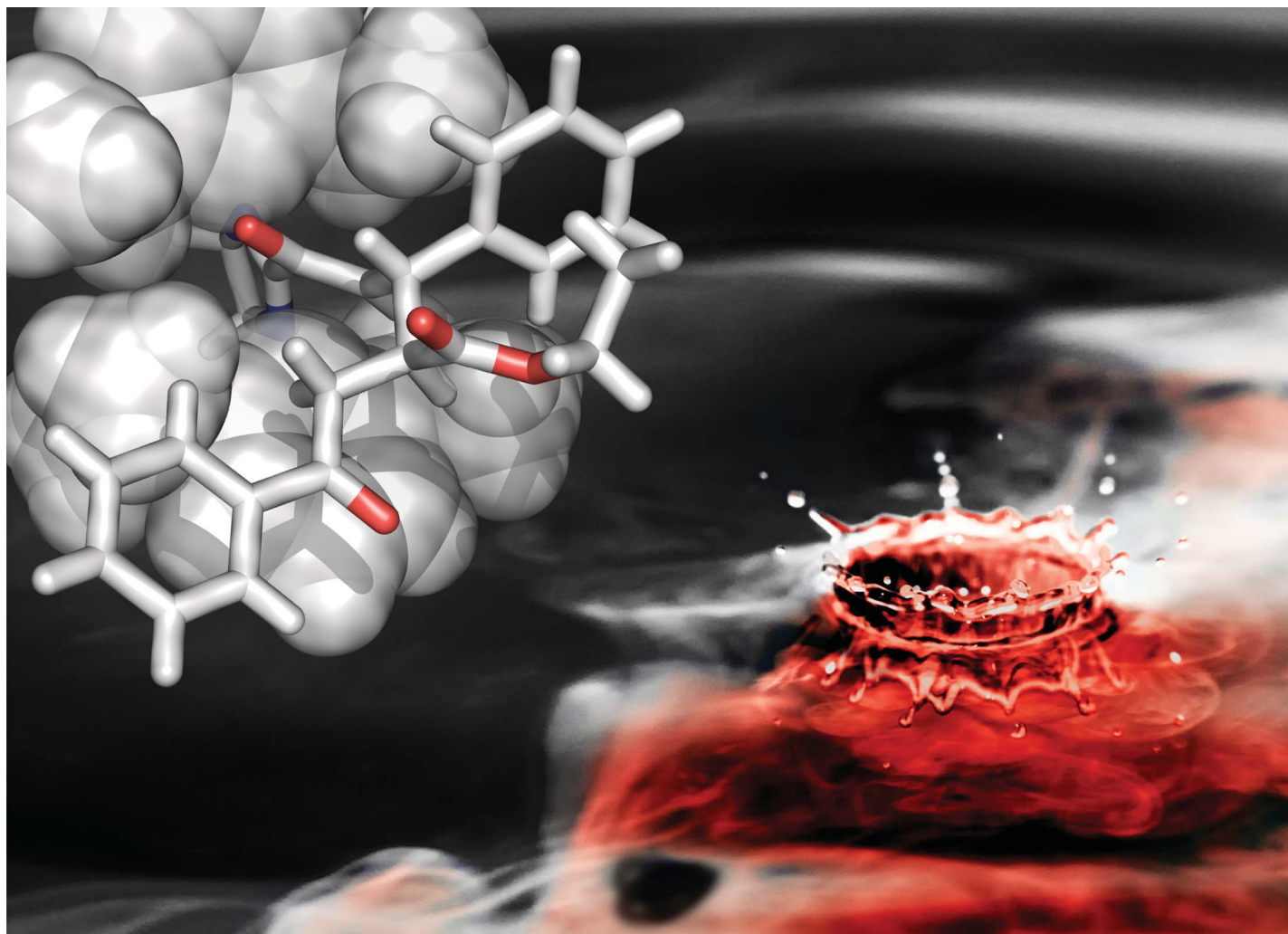
Research and Innovation within

Synthesis • **Catalysis** • **Domino Reactions** • **Medicinal Chemistry** •
Natural Product Chemistry • **Biomolecular Chemistry** • **Green Chemistry**
• **Polymer Chemistry** • **Materials** • **Physical Organic Chemistry**

We welcome you to the **University of Lisbon!**

Deadline for poster communications: 15th June 2015

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Showcasing research from Albrecht Berkessel's laboratory,
Institute for Organic Chemistry, University of Cologne,
Germany.

Carbene catalyzed umpolung of α,β -enals: a reactivity study of
diamino dienols vs. azolium enolates, and the characterization
of advanced reaction intermediates

For the first time, experimental (NMR, X-ray) evidence is provided
for the postulated individual and specific reactivity patterns of
diamino dienols (α -C-C-bond formation) vs. azolium enolates
(β -C-C-bond formation) in N-heterocyclic carbene catalyzed
conjugate umpolung reactions of α,β -enals. Photo and graphics
by Dr. Adrian von der Höh.

As featured in:



See Albrecht Berkessel et al.,
Chem. Sci., 2015, 6, 3706.



www.rsc.org/chemicalscience

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