Salle de Cours **SC-16.01** – Université Montpellier II

Making the tiniest machines

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(abstract not communicated)

Selected publications :

1. Sequence-specific peptide synthesis by an artificial small-molecule machine.
B. Lewandowski, G. De Bo, J. W. Ward, M. Papmeyer, S. Kuschel, M. J. Aldegunde, P. M. E. Gramlich, D. Heckmann, S. M. Goldup, D. M. D'Souza, A. E. Fernandes & D. A. Leigh, *Science* **2013**, *339*, 189-193.

2. A synthetic molecular pentafoil knot.
J.-F. Ayme, J. E. Beves, D. A. Leigh, R. T. McBurney, K. Rissanen & D. Schultz, *Nature Chem.* **2012**, *4*, 15-20.

3. A synthetic small molecule that can walk down a track.
M. von Delius, E. M. Geertsema & D. A. Leigh, *Nature Chem.* **2010**, *2*, 96-101.

4. Second generation specific-enzyme-activated rotaxane propeptides.
A. Fernandes, A. Viterisi, V. Aucagne, D. A. Leigh & S. Papot, *Chem Commun.* **2012**, *48*, 2083-2085.