Evolution of Dynamic Combinatorial Chemistry

Professor Jeremy SANDERS, FRS
Head, School of Physical Sciences
University of Cambridge, UK
Pro-Vice-Chancellor (Institutional Affairs)

Over the past 20 years, Dynamic Combinatorial Chemistry has evolved from its first naive conception into a powerful tool for the discovery of extraordinary and unpredictable structures. In principle, it allows us to specify the binding properties of an unknown molecule, and then to design the experiment and building blocks that will create the desired species. The evolving journey of discovery also leads to unexpected new materials and challenges some long-lived and strongly-held preconceptions about entropy and molecular flexibility.

This invited lecture is sponsored by the Pôle Chimie Balard and by the École Nationale Supérieure de Chimie de Montpellier.