unicat
Unifying Concepts in Catalysis

Special Lecture
in cooperation with
Institue of Chemistry TU Berlin

PROF. DR. FRASER STODDART Northwestern University, USA
2016 NOBEL LAUREATE

The Rise and Promise of Molecular Machines based on the Mechanical Bond

Sir James Fraser Stoddart's Mechanostereochemistry Group is located in the Department of Chemistry at Northwestern University. He has pioneered the development of the use of molecular recognition and self-assembly processes in template-directed protocols for the syntheses of two-state mechanically interlocked compounds (bistable catenanes and rotaxanes) that have been employed as molecular switches and as motor-molecules in the fabrication of nanoelectronic devices and NanoElectroMechanical Systems (NEMS).

Prof. Stoddart's efforts have been recognized by numerous prestigious awards. In 2016 he shared the Nobel Prize in Chemistry together with Ben Feringa and Jean-Pierre Sauvage for the design and synthesis of molecular machines.

Tuesday, December 12, 2017

at 5:15 PM

C 130

Prof. Dr. Schwarz (TUB)
Organizer