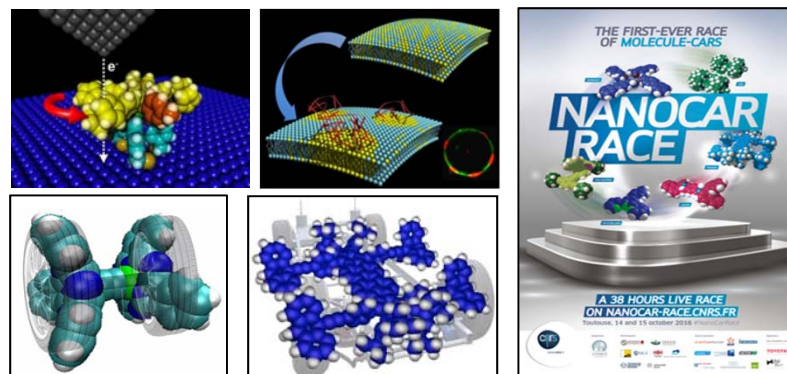


Biomimetic and Technomimetic Molecular Science Laboratory (tentative)

Faculties:

Prof. Gwénaél Rapenne
(to be appointed from April, 2018)
Dr. Kazuma Yasuhara



Current open call

One Assistant professor

Organic, organometallic,
Coordination or polyaromatic chemistry

Research Topics:

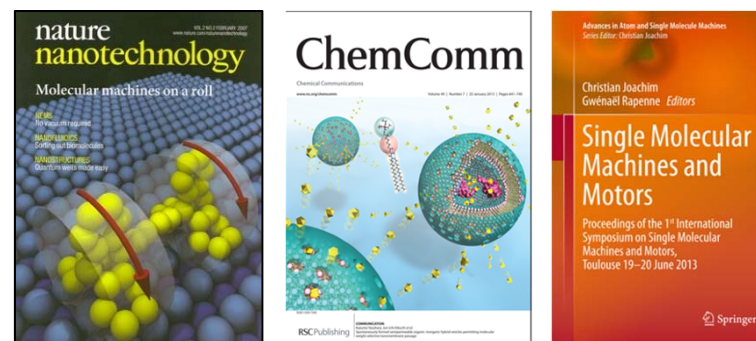
1. Technomimetic molecular machines

Motors, gears and vehicles to develop energy, communication and information transfer at the nanoscale under the action of light, heat or electrons.

2. Biomimetic molecular machines

Membrane-active agents, which can trigger membrane dynamics and modulate biological functions.

3. Hybrid molecular machines



Expected students: 4-7 students per year (Master's and doctoral courses)

Laboratory space: Approx. 300 m² equipped for molecular synthesis and analysis (UV-Vis, Fluorescence, CD, DLS, DSC, HPLC (prep., anal.), Zeta potential, Fluorescence microscope etc.)