

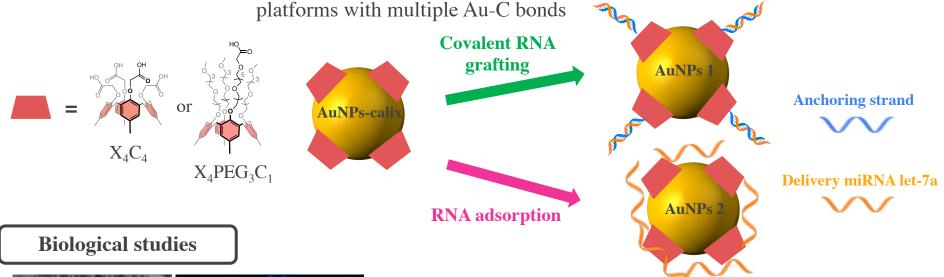
Young Researchers & Innovators Conference Grant funded by the COST Action CA22131

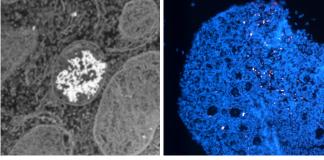
Supramolecular LUminescent Chemosensors for Environmental Security

Development of a AuNPs-based ovarian selective miRNA delivery system to reduce side effects of chemotherapy

Vector development

In comparison with AuNPs-S-RNA obtained via the common salt-aging method, we developed more robust and functionalizable **AuNPs-calixarenes**





- ✓ AuNPs cellular uptake
- ✓ Ovaries biocompatibility

Variability in delivery efficiency

More stable AuNPs
vectors with
multifunctional properties

Raphaël Dutour

Affiliation: Université libre de Bruxelles (ULB), Belgium

Attended conference: Gold 2025

Dates: 11-05-2025 to 14-05-2025



