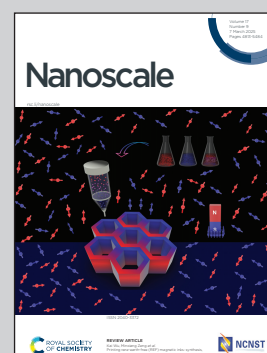


Showcasing collaborative research between Professor Sylvie Bégin-Colin's and Dr. Alexandre Detappe's groups located respectively at the Laboratories of Hybrid Nanomaterials Engineering (IPCMS), Université de Strasbourg, and Institut de Cancérologie Strasbourg Europe (ICANS) in Strasbourg, France.

Spacer engineering in nanoparticle-peptide conjugates boosts targeting specificity for tumor-associated antigens

Despite significant advancements in nanoparticle biofunctionalization strategies, their ability to effectively target and accumulate within tumors remains a major challenge. Optimizing the length and structure of the molecular linkers connecting nanoparticles to their targeting ligands significantly enhances the complex's binding affinity to tumor-associated antigens on cell surfaces. This approach holds promise for improving the precision and efficacy of nanoparticle-based cancer therapies.

As featured in:



See Alexandre Detappe, Sylvie Bégin-Colin, Sébastien Harlepp *et al.*, *Nanoscale*, 2025, 17, 5021.