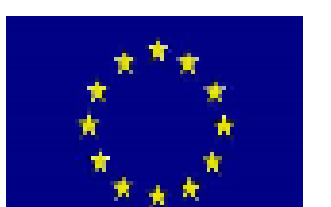


Multi-stimuli responsive materials using Supra(macro)molecular and Dopamine Chemistries

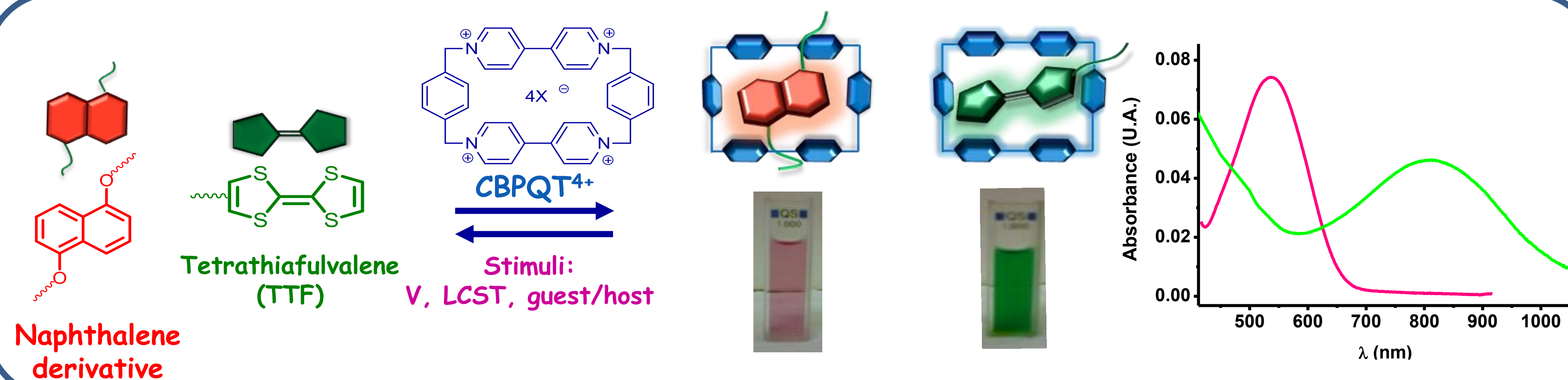
David Fournier, Joël Lyskawa, Aurélie Malfait, Patrice Woisel

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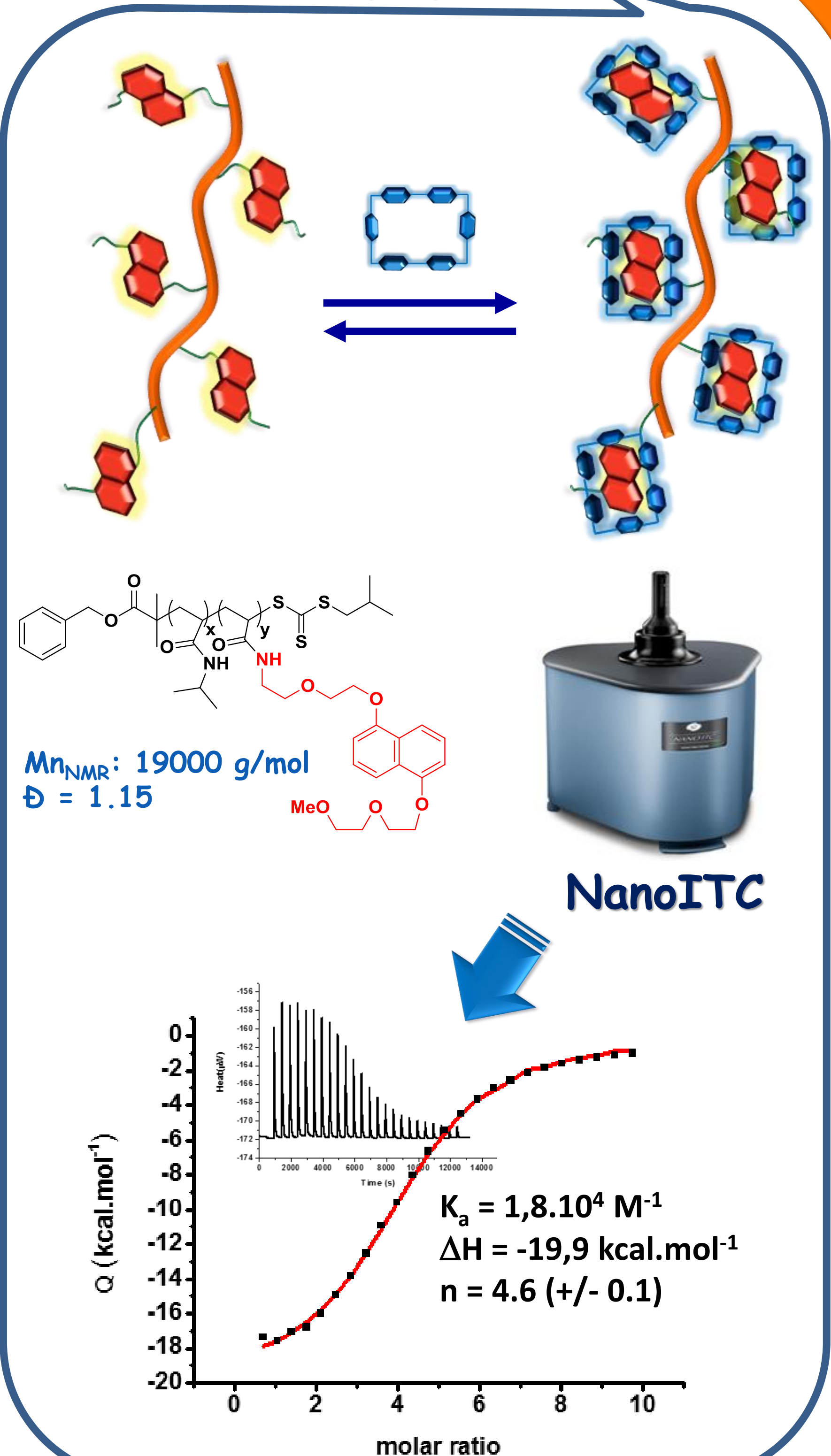


Multi-stimuli Responsive Macromolecular Assemblies

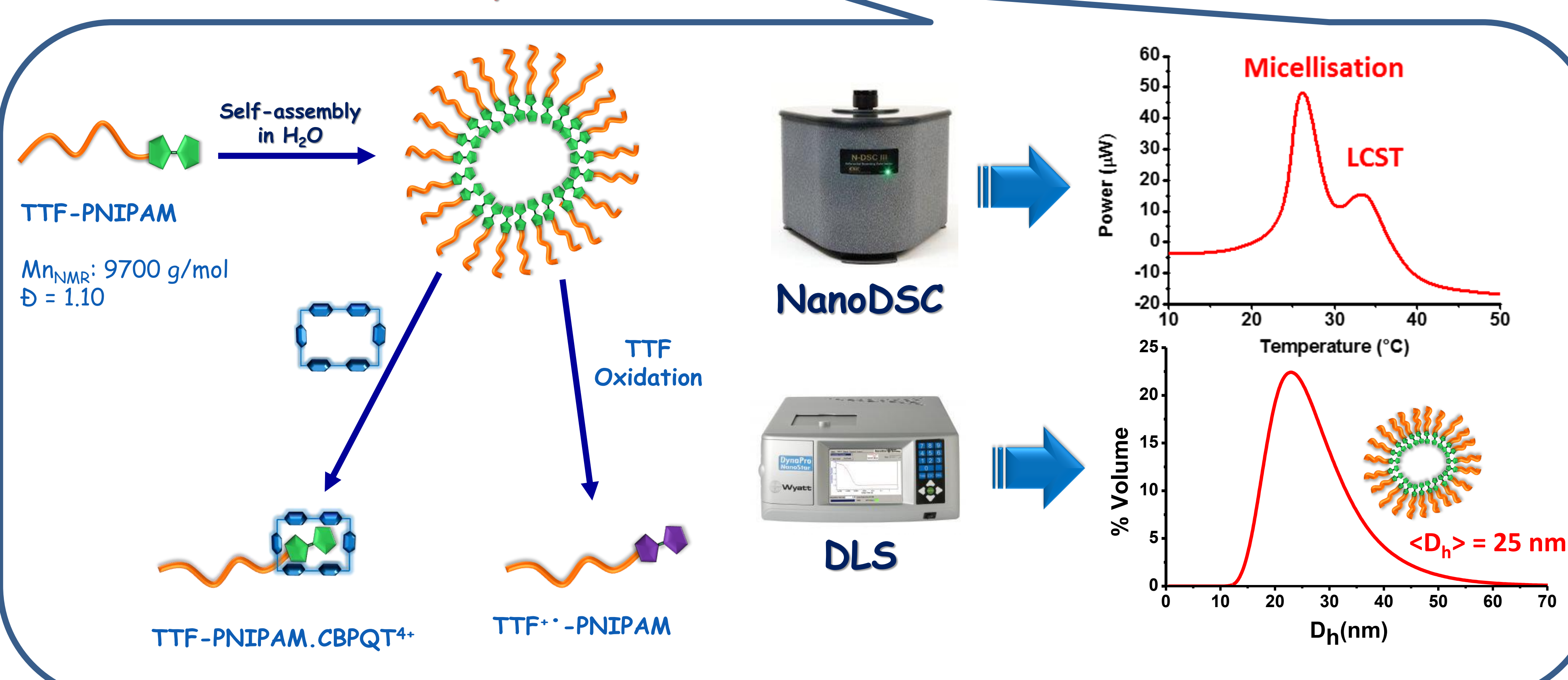
Host/Guest tools



Functionalized polymers



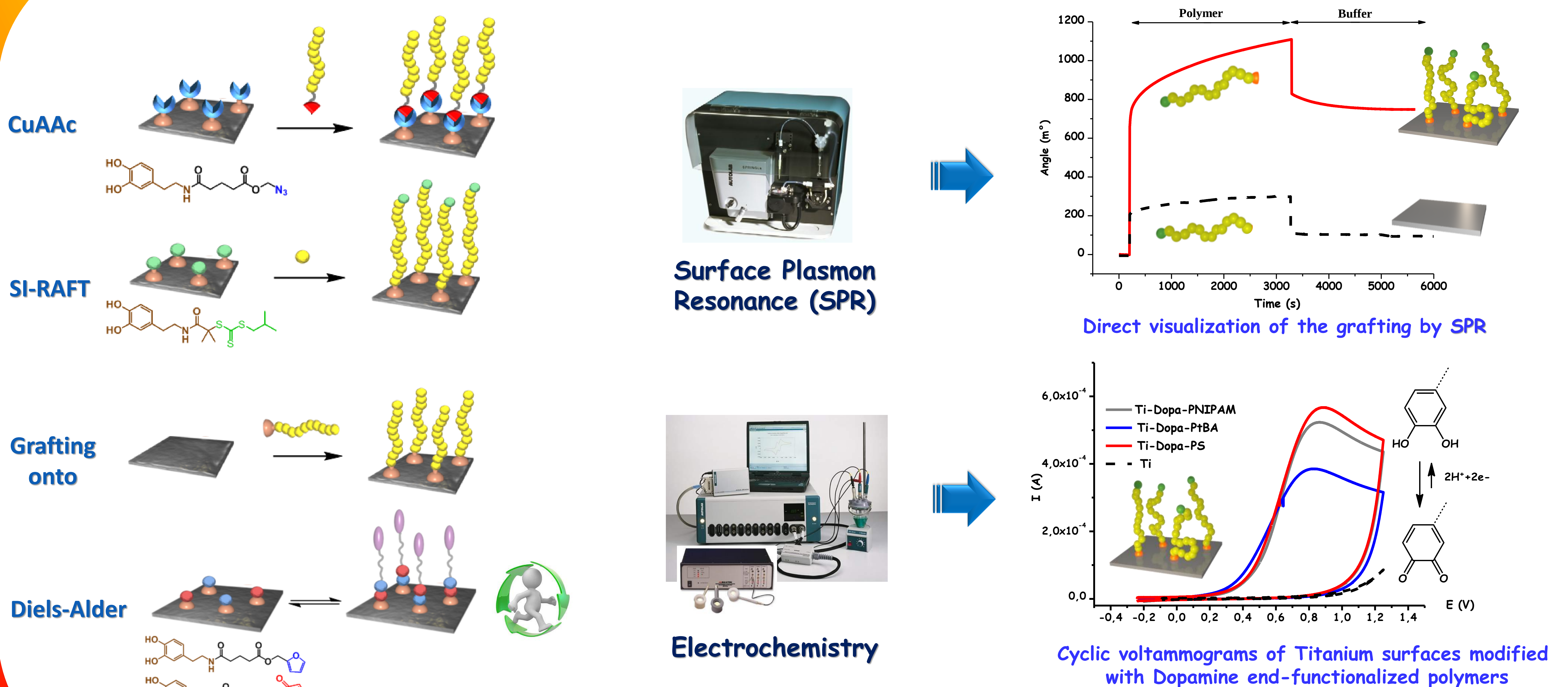
Multi-stimuli responsive micelles



Macromolecules **2010**, 43, 82 // Polym Chem **2010**, 1, 1024 // JACS **2010**, 132, 10796 // Macromolecules **2011**, 44, 6532 // Polym Chem **2014**, 5, 1031
Macromol Rapid Commun **2014**, 35, 498 // Angew Chem **2014**, 53, 5044

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Prog Polym Sci **2013**, 38, 236 // Langmuir **2010**, 26, 15920 // Macromolecules **2011**, 44, 5883 // Chem Mater **2014**, 26, 3771 // ACS Appl Mater Inter **2014**, 6, 3575