

Moving nucleic acids out of sea.



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Nucleic acids are molecules created to have a crucial functional role in a physiological media that resembles quite a lot ancient seas. There is an increasing interest in moving nucleic acids out of water, since this will increase its margin of biotechnological applications. For example, we would like to move nucleic acids to apolar solvents to improve its biodisponibility, our we would like to increase the portfollio of DNA-mediated reactivity by considering non aqueous solvents. I will explain during my talk how theoretical methods, in close interaction with experiments, can help us to understand the properties of nucleic acids out of the sea environment.