

Seminar

Physics with DNA-made nanoparticles

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DNA oligomers can nowadays be assembled to produce a large variety of nanometric constructs, via a cascade of self-assembly processes, each one guided by the length of complementary sequences of distinct DNA strands. In the lecture I will show that it is possible to build bulk quantities of DNA-made nanoparticles that closely match idealised patchy colloids, transferring modern in-paper and in-silico intuitions into experimental realisations. I will show how unconventional collective behaviours, recently explored theoretically and numerically, can indeed be reproduced in the lab.

Wednesday, Jan 25th 2017

4:00 PM (Tea/Coffee at 3:45 PM)

Seminar Hall, TCIS