



# Statistical Mechanics and Computation of DNA Self-Assembly

## Thursday, 26 May 2011

### Statistical mechanics (09:00 - 18:00)

time	[id] title	presenter
09:15	[253] Self-assembly of DNA into nanoscale three-dimensional shapes	Prof. SHIH, William
10:00	break	
10:30	[254] Assembly of single-walled carbon nanotubes on DNA-origami templates through streptavidin-biotin interaction	Prof. TÖRMÄ, Päivi
11:15	[268] On the theory of cost and benefit - experiments and theory	Prof. DEKEL, Erez
12:00	Lunch	
14:30	[256] Free-form design of 3D DNA nanostructures using vHelix for Autodesk Maya	Prof. HÖGBERG, Björn
15:15	[257] Microfluidic tools for DNA analysis, manipulation and separation	Dr BOGUNOVIC, Lukas
16:00	Coffee break	
16:30	[258] Thermodynamics of RNA hybridization inferred from out of equilibrium unzipping experiments	Dr HUGUET, Josep Maria
17:15	[259] Coarse-grained modelling of DNA and DNA self-assembly	Dr OULDRIDGE, Thomas