Potential Supervisors

[Professor Ard Louis](#)

Ard A. Louis is a Professor of Theoretical Physics at the [University of Oxford](#), where he leads an interdisciplinary research group studying problems on the border between chemistry, physics and biology,[1] and is also director of graduate studies in theoretical physics

Software Tools Developed

[OxDNA](#) - is a simulation code originally developed to implement the coarse-grained DNA model introduced by T. E. Ouldridge, J. P. K. Doye and A. A. Louis. It has been since reworked and it is now an extensible simulation+analysis framework. It natively supports simulations of DNA (oxDNA and oxDNA2) and RNA (oxRNA) on both CPUs and NVIDIA GPUs. It is now widely adapted for DNA modelling of biological processes and for DNA nanotechnology.

Involvement of DTC Students

[Ferdinando Randisi](#)

Industrial links

Microsoft Cambridge