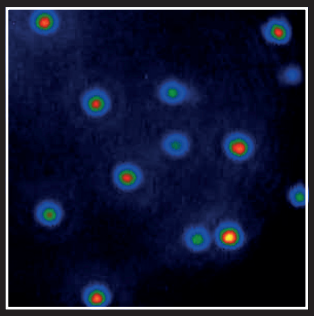

Quantum Dot Day 2020

6 January 2020
Clarendon Laboratory, University of Oxford, UK

Poster programme

P1	**Polarising a nuclear ensemble for a collective quantum memory** Clara Bachorz, University of Cambridge, UK
P2	**Quantum-dot-based optically-pumped vertical-cavity surface-emitting lasers with high-contrast periodic gratings** Edmund Clarke, University of Sheffield, UK
P3	**Influence of vibrational environment on coherent driving of a solid-state two-level system using dichromatic pulses** Zhe Xian Koong, Heriot-Watt University, UK
P4	**Beam the dot up Scotty, laser transfer of chemically formulated nanospheres and quantum dots** Ioannis Metsios, Lumpti Ltd, UK
P5	**Single photon source in the telecommunication C-band via quantum frequency conversion** Christopher Morrison, Heriot-Watt University, UK
P6	**High-yield, low-density InAs/GaAs quantum dots as quantum light sources for 900–1300 nm operation** Pallavi Patil, University of Sheffield, UK
P7	**Droplet epitaxy of InAs/InP quantum dots in MOVPE at the telecom C-band** Elisa Maddalena Sala, University of Sheffiled, UK
P8	**Ultra-fast nanocomposite-based scintillating heterostructures for time-of-flight positron emission tomography** Weronika Serafimowicz, Cranfield University, UK
P9	**Coherent transverse electromagnetic mode lasing in a self-assembled symmetric cavity of perovskite quantum dots** Guanhua Ying, University of Oxford, UK
P10	**Coherent interface to nuclear spins in strain-controlled GaAs quantum dots** Leon Zaporski, University of Cambridge, UK
P11	**Multichromic metal-organic framework via nanoconfinement for multimode photonic sensing technology** Yang Zhang, University of Oxford, UK
P12	**Strain-induced single photon emitters in monolayer TMDs couple to high-index dielectric nano-antennas** Panaiot Zotev, University of Sheffield, UK
P13	**An electrically driving tuneable entangled quantum dot device in cambridge fibre network** Zi-Heng Xiang, Cambridge Research Laboratory, UK