First Name	Surname	Project	Primary Supervisor	Other Supervisors
Lindsey	Keary	Observing Beam Propagation by Fluorescence	Aidan Arnold	Paul Griffin
Yu	Zhang	Bose-Einstein condensate experiments	Aidan Arnold	Paul Griffin
Ian	Millar	Characterisation of diamond for laser applications	Alan Kemp	Vasili Savitski, Sean Reilly
Emma	Fox	Nonlinear Propagation of Structured Light	Alison Yao	NA
Liam	Rooney	Pattern formation with twisted beams	Alison Yao	NA
Stuart Alexander	Flannigan	Topological band structures in optical lattices	Andrew Daley	Luca Tagliacozzo
David John	Dunbar	Photonic Neurons: Spiking information processing with lasers (Theory)	Antonio Hurtado	Thorsten Ackemann
Ruaridh	Smith	Photonic Neurons: Spiking information processing with lasers (Experiment)	Antonio Hurtado	Thorsten Ackemann
Ruairidh	McArthur	Simulating topological materials	Ben Hourahine	Luca Tagliacozzo
Euan James	Palmer	Simulations of magnetic turbulence in plasma	Bengt Eliasson	Kevin Ronald
Scott John	Barrie	Femtosecond chemistry with laser-plasma-accelerators	Bernhard Hidding	Grace Manahan
Andrew	Faulds	Space Radiation Reproduction and Testing	Bernhard Hidding	Grace Manahan
Connor	Galbraith	Beam-driven Plasma Wakefield Acceleration (PWFA)	Bernhard Hidding	Dino Jaroszynski
Graham	Pettigrew	Coherent and incoherent combination of laser pulses	Bernhard Hidding	Grace Manahan
Stacey	Connan	Computational Modelling of X-ray Free Electron Lasers	Brian McNeil	Gordon Robb
Lauren Christine	McFadzean	The scientific applications of X-ray Free Electron Lasers	Brian McNeil	Gordon Robb
Lewis	McSheehy	The theory of X-ray Free electron Lasers	Brian McNeil	Gordon Robb
Scott	Clarkson	Calibration of Spatial Light Modulators for Adaptive Optics Microscopy	Brian Patton	NA
David	Harper	Optical spectroscopy of distant sources	Carol Trager-Cowan	David McKee
Joel	Scheffer	Doping profile measurements in silicon p-n junctions via capacitance-voltage measurements	Carol Trager-Cowan	Paul Edwards
Connor	Taylor Rehan	Ancilla-driven Quantum Dynamics	Daniel Oi	Marco Piani
Angus	Watt	Nonlinear Vacuum Electrodynamics	Dino Jaroszynski	Adam Noble, Samuel Yoffe
Katherine	McLellan	Implementation and characterization of optical lattice potentials for ultracold atoms	Elmar Haller	Stefan Kuhr
Daniel	Gray	Modelling scanning near-field microscopy	Francesco Papoff	Ben Hourahine
Ben	Williams	Parametric difference resonance in lasers	Francesco Papoff	Gordon Robb
Rachel	MacPhee	Super-wide field of view two dimensional cell imaging	Gail McConnell	Lee McCann
Daniel David	McColl	Quantification and measurement of marine microbial populations using the Mesolens	Gail McConnell	David McKee
Cameron	Smith	In vivo optical imaging of microplastics in marine organisms	Gail McConnell	David McKee
Adam	Ramsay	Entangled Optical Turbulence	Gian-Luca Oppo	Alison Yao
Ellis	Gowan	Cold Atom-Light Interactions	Gordon Robb	Brian McNeil
Craig	Lees	Bose Einstein Condensate (BEC) Simulations	Gordon Robb	Aidan Arnold
Eilidh	McGowan	Interactive Physics Simulations	Gordon Robb	Nigel Langford
Jonathon	Massey	Spectroscopic Studies of Melanin Fibrils; Spectra, Kinetics, Modulators	Jens Sutter	David Birch
Kevin Graham	McKechnie	Spectroscopic Studies of Dye Aggregation	Jens Sutter	David Birch

Pavlos	Bozinakis	Quantum State Comparison and Correction Amplifier	John Jeffers	Luca Mazzarella
Richard	Anderson	Neurophotonic Systems for Interfacing with the Retina	Keith Mathieson	Niall McAlinden
Douglas	Cameron	Hysteretic Photochromic Switching (HPS) of europium-magnesium (Eu-Mg) defects in GaN	Kevin O'Donnell	Paul Edwards
Daniel	Dyer	RE-doped III-nitrides for solid state lighting applications	Kevin O'Donnell	Paul Edwards
Michael	Farnham	Phosphorescence of glowstones™	Kevin O'Donnell	Paul Edwards
Aidan	McFadden	Quantifying the entanglement of global quantum evolutions and measurements	Marco Piani	Daniel Oi
Connor	McKeown	Quantification of the entanglement of identical particles	Marco Piani	Andrew Daley
Aidan	White	Medical Radioisotope Production using a Laser-Plasma Wakefield Accelerator	Mark Wiggins	Dino Jaroszynski
Ben	Charles	Measurement of non-linear processes in silicon photonic waveguide arrays	Michael Strain	Gian-Luca Oppo
David	Loudon	Gravity Gradiometry with Satellite Constellations	Nick Lockerbie	Daniel Oi
Niall	Grant	Resonant Optical Cavities	Nigel Langford	Alison Yao
Alexander	MacKechnie	Resonant Optical Cavities	Nigel Langford	Alison Yao
Shaun	Malone	Non Resonant Optical Cavities	Nigel Langford	Alison Yao
Niamh	Turner	Pathological modifications in proteins detected by their intrinsic fluorescence	Olaf Rolinski	Yu Chen
Paul Anthony	Ross	Modelling of X-ray fluorescence spectroscopy	Paul Edwards	Rob Martin
Shannan	Foylan	Signal processing for Atomic Magnetometry	Paul Griffin	Stuart Ingleby
Anna	Gribbon	Precision Measurements with an Atom Interferometer	Paul Griffin	Erling Riis
Raymond	Kwok	Generation and propagation of spatially structured light	Paul Griffin	Alison Yao
Craig	Wardlaw	Generation and propagation of spatially structured light	Paul Griffin	Alison Yao
David	Smyth	Investigation of energy exchange in relativistically transparent laser-plasma interactions	Paul McKenna	Martin King
Craig	Stevenson	High-Power Microwave Sources	Phil MacInnes	Kevin Ronald
Marie	Clifford	UV Laser diodes: pushing the boundary	Rob Martin	Gunnar Kusch
Simon	Lawrence	Colour properties and efficiency of white LEDs	Rob Martin	Jochen Bruckbauer
Jennifer Lynn	Service	Investigating non-ideal behaviour in current-voltage curves from GaN-based LEDs	Rob Martin	Paul Edwards
Gavin	Graham	Intense laser pulse filamentation in near critical density plasmas	Ross Gray	Bruno Gonzalez-Izquierdo
Callum	Kinnoch	Automated Image Analysis in Single-Molecule Localization Microscopy	Sebastian van de Linde	NA
Benjamin	McGrogan	Energy upconversion in nano-crystallites for application in ultra-high definition display technology	Thomas Han	NA
Ryan	Thomson	Lanthanide-doped fluoride sub-micron crystalline particles for biomedical applications	Thomas Han	NA
Robbie	McDermott	Analysis of mode-locked laser dynamics	Thorsten Ackemann	Gian-Luca Oppo
Zhe	Zheng	Compact X-ray sources from nonlinear Thomson scattering with intense lasers	Zhengming Sheng	Feiyu Li
Callum	Dickson			
Mike	Gyurik			
Sean	Sloan			