

Surname	Forenames	1st Supervisor	Division	Title of Project
YANG	HAO	Aidan Arnold	Optics	Bose-Einstein condensate experiments
CHRYSTALL	FIONA	Alison Yao	Theory	Orbital Angular Momentum in Vectorial Kerr Cavities
HUME	SAMANTHA	Andrew Daley	Theory	Dynamics of impurity atom coupled to a quantum gas
JARDINE	MALCOLM	Andrew Daley	Theory	Transport dynamics of quantum gases in optical potentials
WYLLIE	ELLA	Andrew Daley	Theory	Transport dynamics of quantum gases in optical potentials
ROBERTSON	JOSHUA	Antonio Hurtado	IoP	Photonic Neurons: Spiking information processing with lasers
BAKAS	DIMITRIOS	Ben Hourahine	Nanoscience	Targeting chosen eigenvectors and singular vectors
NIX	LAURENCE	Ben Hourahine	Nanoscience	Twisted nanostructures
MACKAY	FIONA ALISON	Bernhard Hidding	Plasmas	Space Radiation Reproduction and Testing
MCCALLUM	FRASER	Bernhard Hidding	Plasmas	Space Radiation Reproduction and Testing
MCDERMOTT	RYAN	Bernhard Hidding	Plasmas	Femtosecond chemistry with laser-plasma-accelerators
STIRLING	RAYMOND	Bernhard Hidding	Plasmas	Beam-driven Plasma Wakefield Acceleration (PWFA)
SUTHERLAND	ANDREW	Bernhard Hidding	Plasmas	Mid-Infrared Laser Wakefield Acceleration
WRIGHT	AIMEE	Bernhard Hidding	Plasmas	Coherent and incoherent combination of laser pulses
MCDEVITT	STACEY LEANNE	Brian McNeil	Theory	The scientific applications of X-ray Free Electron Lasers
MORGAN	JENNY	Brian McNeil	Theory	The theory of X-ray Free electron Lasers
SCHNIETE	JAN	Carol Trager-Cowan	Nanoscience	Optical spectroscopy of distant sources
WARDLAW	CRAIG	Carol Trager-Cowan	Nanoscience	Optical spectroscopy of distant sources
FURNEAUX	MICHAEL	Daniel Oi	Theory	Modelling CubeSat to Ground Quantum Communication
PATERSON	ANDREW JAMES	Elmar Haller	Optics	3D-Printing of optics equipment in a laser laboratory
DEIGHAN	SEAN	Francesco Papoff	Theory	Resonances in clouds of cold atoms
SMITH	ANDREW	Francesco Papoff	Theory	Parametric difference resonance in lasers
GRAHAM	PAUL	Gordon Robb	Theory	BEC simulations
HEALY	RYAN	Gordon Robb	Theory	Interactive Physics Simulations
MARTIN	JACK	Gordon Robb	Theory	Cold atom-light interactions
MCALEESE	ERIN	Gordon Robb	Theory	Cold atom-light interactions
ROY	CRAIG	Gordon Robb	Theory	Four-wave Mixing in Atomic Gases
FLEMING	LIAM	Jens Sutter	Nanoscience	Spectroscopic Studies of Melanin Fibrils: Spectra, Kinetics, Modulators
TATSI	GIOAN	John Jeffers	Theory	Quantum State Comparison Amplification Protocol
SINGH	SUKHPAL	Jonathan Pritchard	Optics	Hybrid Quantum Systems
MEADOWS	PETER	Kevin O'Donnell	Nanoscience	Phosphorescence of glowstones
PRUSINSKAS	PATRIKAS	Kevin O'Donnell	Nanoscience	Hysteretic Photochromic Switching (HPS) of europium-magnesium (Eu-Mg) defects in GaN
WASSON	CONNOR	Kevin O'Donnell	Nanoscience	RE-doped III-nitrides for solid state lighting applications
KAVANAGH	LUKE	Marco Piani	Theory	Quantifying the entanglement of global quantum evolutions and measurements
GOUGH	ANDREW	Mark Wiggins	Plasmas	Medical Radio-isotope Production using a Laser-Plasma Wakefield Accelerator
GILL	JAMES	Maxim Fedorov	Nanoscience	Modelling of wettability of mineral surface by water and oil
HOLL	MAX	Maxim Fedorov	Nanoscience	Molecular Mechanisms of Biological Adaptation to Extreme Ionic Environments
MITCHELL	KIERAN	Maxim Fedorov	Nanoscience	Predicting molecular transport properties of pollutants in marine environments

STRAIN	PETER	Maxim Fedorov	Nanoscience	Development of molecular-scale computer models for enhanced oil recovery
WILKINSON	DECLAN	Maxim Fedorov	Nanoscience	Ionic liquids at charged interfaces: applications for electrochemical energy storage
BRADY	OWEN	Neil Hunt	Nanoscience	A Physical Investigation of Protein-drug Binding
WRIGHT	CRAWFORD	Nick Lockerbie	Nanoscience	Gravity Gradiometry with Satellite Constellations
WHYTE	ANNA	Nigel Badnell	Plasmas	Atomic Processes for Astrophysical Plasmas
SIMMONS	HEATHER	Nigel Langford	Optics	Non-resonant optical cavities
AMJAD	ALI SINAN	Olaf Rolinski	Nanoscience	Revisiting Fluorescence Quantum Yield: New Light on an Old Approach
JARDINE	LEE	Olaf Rolinski	Nanoscience	Transient Fluorescence Spectra of Proteins
BREBNER	RYAN	Paul Edwards	Nanoscience	Metal foils for electron energy filtering
DUMBRECK	RUARAI DH	Paul Edwards	Nanoscience	Noise and system response of CCD spectrographs for luminescence spectroscopy
BEVINGTON	PATRICK	Paul Griffin	Optics	Generation and propagation of spatially structured light
EVANS	JENNIFER	Paul Griffin	Optics	Characterising micro-mirror devices
WRIGHT	MICHAEL	Paul Griffin	Optics	Generation and propagation of spatially structured light
REYNOLDS	CALLUM	Paul McKenna	Plasmas	Modelling of plasma instabilities relevant to laser-driven ion acceleration
VASILEVSKA	MAIRA	Phil MacInnes	Plasmas	High-Power Microwave Sources
CARROLL	HAYLEY	Rob Martin	Nanoscience	Efficiency of green LEDs: How serious is the “green gap”?
ARMSTRONG	SIMON	Thorsten Ackemann	Optics	Characterization of Optically pumped Quantum Well and Quantum Dot Vertical-cavity Structures
HODGE	MITCHELL	Thorsten Ackemann	Optics	Beam quality of broad-area lasers
RUSHFORD	GRANT	Thorsten Ackemann	Optics	Interaction of light with Rubidium vapour
LAIRD	ALLAN	Tom Han	Nanoscience	Energy upconversion in nano-crystallites for application in ultra-high definition display technology
MITCHELL	RYAN	Tom Han	Nanoscience	An optical study of lanthanide ion doped BaY ₂ F ₈ single crystals
O'DWYER	CAROLYN	Tom Han	Nanoscience	Energy upconversion in nano-crystallites for application in ultra-high definition display technology
GARTON	ASHLEY	Yu Chen	Nanoscience	Noble Metal Quantum Dots
DAVIDSON	ZOE			NHS Project

Unallocated

BEATTIE	SAMUEL ROBERT
CHARLES	BEN
CONFIELD	LILY
DALGLEISH	NATHAN
DESPARD	ILIAN
DORIS	CRAIG
FERGUSON	RHYS
FILSHIE	JOHN
GATES	MICHAEL
HEALY	THOMAS
HENDERSON	EMMA JANE
HIGGINS	RYAN
HUANG	ZIYAN
LINTON	PETER
LUI	JONATHAN
MACDONALD	GAVIN
MACKLE	JAMIE
MATHESON	DAVID DONALD
MCCANN	LEE
MCKELVIE	AMY
PHILLIPS	ANDREW SAMUEL
QUINN	NICHOLAS
SMYTH	DAVID
SPEIRS	RYAN
STAROSTA	BOHDAN
TAYLOR-REHAN	CONNOR
WHITESIDE	SCOTT