
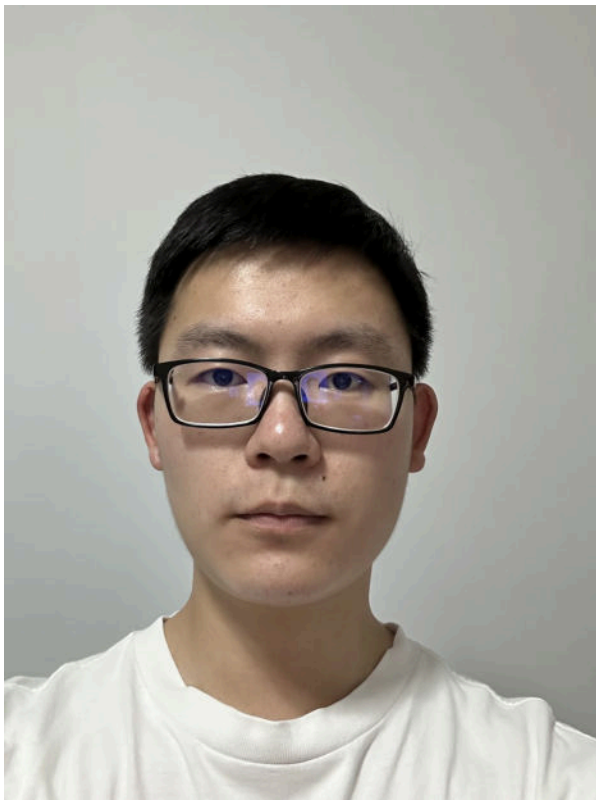





Poster Presentations


Number	1
Name	Paul Armitage
Poster title	A Comparative Study of Wide-Field and Confocal Microscopy for Live Cell Imaging
Full list of co-authors	Elizabeth Hinde, Michael Mlodzianoski
Name of Advisor	Elizabeth Hinde
Name of University / Organisation	University of Melbourne
Headshot	


Number	2
Name	Tao Sun
Poster title	A higher order correlation study of intracellular condensates
Full list of co-authors	Elizabeth Hinde
Name of Advisor	Elizabeth Hinde
Name of University / Organisation	University of Melbourne
Headshot	

Number	3
Name	Chengyi Ma
Poster title	A review of methods for integrating imaging and omics data
Full list of co-authors	Chengyi Ma, Jiadong Mao, Kim-Anh Lê Cao
Name of Advisor	Kim-Anh Lê Cao
Name of University / Organisation	University of Melbourne
Headshot	


Number	4
Name	Ella Walsh
Poster title	Accounting for temporal artifacts in quantum relaxometry
Full list of co-authors	Di Wang, A. Healey, Sepehr Ahmadi, Anthony Chesman, David A. Simpson, Liam T. Hall
Name of Advisor	David Simpson, Liam Hall, Anthony Chesman, James Hutchison
Name of University / Organisation	The University of Melbourne
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Number	5
Name	Claudia J Stocks
Poster title	Acid-activated chloride transporter TMEM206 in bacterial uptake and clearance
Full list of co-authors	Xichun Li, Jennifer L Stow
Name of Advisor	Jennifer Stow
Name of University / Organisation	University of Queensland
Headshot	


Number	6
Name	Patrick Grant
Poster title	Active matter tracking with DeepTrack
Full list of co-authors	Timo Nieminen, Alexander Stilgoe and Halina Rubinsztein-Dunlop
Name of Advisor	Halina Rubinsztein-Dunlop
Name of University / Organisation	The University of Queensland
Headshot	

Number	7
Name	Floyd Creevey
Poster title	Biological Sequence Alignment on Quantum Computers
Full list of co-authors	L. C. L. Hollenberg
Name of Advisor	Prof. Lloyd Hollenberg
Name of University / Organisation	The University of Melbourne
Headshot	





Number	8
Name	Xiaochen Zhang
Poster title	CellDiffusion: generating pseudo-cells with deep learning for robust cell type annotation based on bulk references
Full list of co-authors	Jiadong Mao, Isabella Reid, Tara Karnezis, Belinda Phipson, Kim-Anh Lê Cao
Name of Advisor	Kim-Anh Le Cao
Name of University / Organisation	University of Melbourne
Headshot	


Number	9
Name	Hadi Mahmodi
Poster title	Characterizing Liquid-Liquid Phase Separation in Proteins Using Brillouin Spectroscopy with Principal Component Analysis
Full list of co-authors	Hadi Mahmodi, Luke McAlary, Lezanne Ooi, Matthew Arnold, Christopher Poulton, Irina Kabakova
Name of Advisor	Prof Irina Kabakova
Name of University / Organisation	University of Technology Sydney
Headshot	

Number	10
Name	Galya Haim
Poster title	Chiral induced magnetization of thin ferromagnetic layers
Full list of co-authors	G. Haim, I. Meirzada, N. Sukenik, S. Yochelis, T. Baczewski, Y. Paltiel and N. Bar-Gill
Name of Advisor	David Simpson
Name of University / Organisation	University of Melbourne
Headshot	




Number	11
Name	Shikun Ma
Poster title	ChromaCRY: an optogenetics tool to shut down genome
Full list of co-authors	Shikun Ma, Elizabeth Hinde
Name of Advisor	Elizabeth Hinde
Name of University / Organisation	University of Melbourne
Headshot	


Number	12
Name	Yaxin Chen
Poster title	Combining FuncLib and ASR for PETase computational design
Full list of co-authors	Yaxin Chen, Haibo Yu*, Guangya Zhang*
Name of Advisor	Haibo Yu
Name of University / Organisation	University of Wollongong
Headshot	


Number	13
Name	Pedram Rashidi
Poster title	Creating Regulatory Frameworks For Quantum-Driven Decarbonisation
Full list of co-authors	N/A
Name of Advisor	N/A
Name of University / Organisation	The University of Queensland / Centre for Policy Futures
Headshot	





Number	14
Name	Adesh Kushwaha
Poster title	Engineering Quantum Enhanced Light Harvesters
Full list of co-authors	Ivan Kassal
Name of Advisor	Ivan Kassal
Name of University / Organisation	The University Of Sydney
Headshot	





Number	15
Name	Asja A. Kroeger
Poster title	Enzyme-Inspired Computational Catalyst Design
Full list of co-authors	A. A. Kroeger, M.-N. Antonopoulou, G. R. Jones, Z. Pei, N.P. Truong, T. Egger, A. Anastasaki, M. L. Coote
Name of Advisor	Michelle L. Coote
Name of University / Organisation	Flinders University
Headshot	


Number	16
Name	Hunter Johnson
Poster title	Fabricating diamond nanopillars for biological voltage sensing
Full list of co-authors	Eliza Rokhsat, Athavan Nadarajah, Dan McCloskey, Nikolai Dontschuk, David Simpson
Name of Advisor	David Simpson
Name of University / Organisation	The University of Melbourne
Headshot	

Number	17
Name	Charlie Pattinson
Poster title	Fermi level tuning silicon vacancy centres in diamond for biologically suitable voltage imaging microscopes
Full list of co-authors	Charlie Pattinson, Daniel McCloskey, Nikolai Dontschuk, Brett Johnson, David Simpson
Name of Advisor	Daniel McCloskey/David Simpson
Name of University / Organisation	University of Melbourne
Headshot	


Number	18
Name	Max
Poster title	Foreman
Full list of co-authors	Jesse Slim, Warwick Bowen
Name of Advisor	Warwick Bowen
Name of University / Organisation	University of Queensland
Headshot	


Number	19
Name	Michael Jones
Poster title	Ground-state-energy calculation for the water molecule on a superconducting quantum processor
Full list of co-authors	Harish Vallury, Manolo Per, Harry Quiney, Lloyd Hollenberg
Name of Advisor	Lloyd Hollenberg
Name of University / Organisation	University of Melbourne
Headshot	


Number	20
Name	Blake Bishop
Poster title	Histone Homo-FRET of Chromatin Compaction
Full list of co-authors	Elizabeth Hinde, Alex Hopper
Name of Advisor	Elizabeth Hinde
Name of University / Organisation	The University of Melbourne
Headshot	


Number	21
Name	Holden Paz
Poster title	How Large Should the QM Region Be in QM/MM Simulations of Solution Phase Reactions? An Adaptive QM/MM Study
Full list of co-authors	Holden Paz, Silvan Beck, Richmond Lee, Junming Ho, Haibo Yu
Name of Advisor	Haibo Yu
Name of University / Organisation	University of Wollongong
Headshot	





Number	22
Name	Vrushali Maste
Poster title	Imaging cells of the bone marrow
Full list of co-authors	Vrushali Maste, Darren Brown, Claudia Stocks, Tatiana Khromykh, Jintao Guo, Susan Millard, Simranpreet Kaur, Allison Pettit, Jennifer Stow
Name of Advisor	Jennifer Stow
Name of University / Organisation	Institute for Molecular Bioscience, The University of Queensland
Headshot	


Number	23
Name	Angela Hermann
Poster title	Magneto-fluorescent proteins: A new frontier in live cell quantum sensing and magneto-genetics?
Full list of co-authors	Erin Grant, David Simpson
Name of Advisor	David Simpson
Name of University / Organisation	The University of Melbourne
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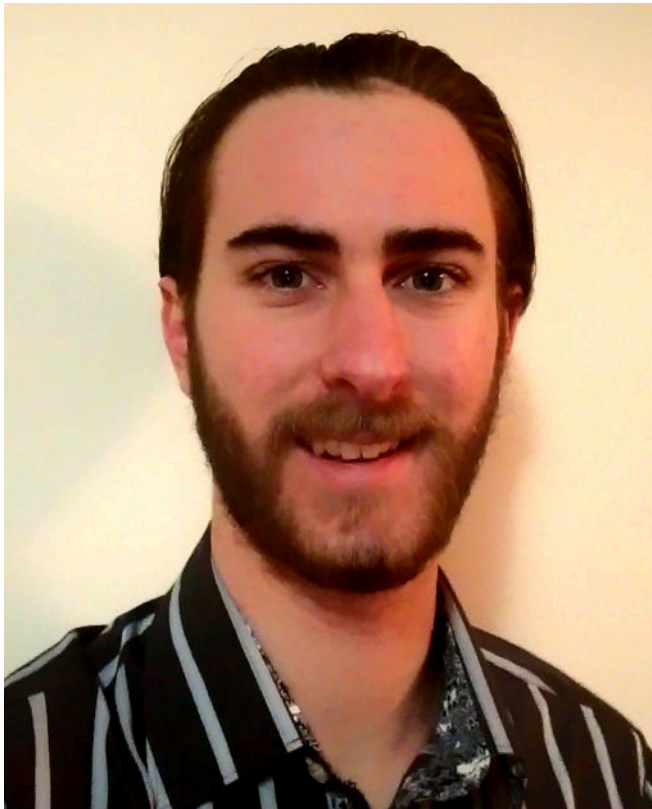
Number	24
Name	Trent Ralph
Poster title	Miniaturisation of Quantum Spin Relaxometry for the Clinical Detection of Ferritin-Bound Iron
Full list of co-authors	Erin Grant, Sepehr Ahmadi, Lianne Lay, Gawain McColl, Liam Hall, David Simpson.
Name of Advisor	David Simpson
Name of University / Organisation	University of Melbourne/CSIRO
Headshot	


Number	25
Name	Kath Rock
Poster title	Missing inventions - Why are STEM women underrepresented in patenting?
Full list of co-authors	Kath Rock
Name of Advisor	Dr Allison Fish, Dr David Smerdon, Dr Marita Rodriguez
Name of University / Organisation	University of Queensland
Headshot	


Number	26
Name	Callum Macfarlane
Poster title	Multifit Atomic Partial Charges for Parameterising MD Simulations
Full list of co-authors	Martin Stroet, Alan E Mark
Name of Advisor	Alan E Mark
Name of University / Organisation	The University of Queensland
Headshot	


Number	27
Name	Jiawa Wang
Poster title	Multiscale Modelling of Functional Dynamics in Enzymes
Full list of co-authors	Haibo Yu, Gökhan Tolun
Name of Advisor	Haibo Yu
Name of University / Organisation	University of Wollongong
Headshot	


Number	28
Name	Zahra Raza
Poster title	Multiscale Simulations of TDP-43
Full list of co-authors	Prof Haibo Yu and Prof Lezanne Ooi
Name of Advisor	Prof Haibo Yu and Prof Lezanne Ooi
Name of University / Organisation	University of Wollongong
Headshot	


Number	29
Name	Nathaniel Bawden
Poster title	On-chip Magnetostrictive Optomechanical Magnetometers
Full list of co-authors	Benjamin Carey, Fernando Gotardo, Hamish Greenall, Poh Yeo Meng, Glen Harris, Douglas Bulla, James Bennett, Scott Foster, Warwick Bowen
Name of Advisor	Warwick Bowen
Name of University / Organisation	University of Queensland
Headshot	


Number	30
Name	Meryem Duman
Poster title	Optoelectrodes for stimulating and studying intracellular organelle networks
Full list of co-authors	Meryem Duman and Dayong Jin
Name of Advisor	Dayong Jin
Name of University / Organisation	University of Technology Sydney
Headshot	


Number	31
Name	Daniel McCloskey
Poster title	Optoelectronic Imaging of Neuronal Action Potentials by Defect Charge-State Conversion in Diamond
Full list of co-authors	D. J. McCloskey, K. Munro, N. Dontschuk, A. Stacey, J. Gunnensen, D. Simpson
Name of Advisor	David Simpson
Name of University / Organisation	The University of Melbourne
Headshot	


Number	32
Name	Dr Pratap Devarapalli
Poster title	Patent Landscape of Quantum Biotechnology Innovation
Full list of co-authors	Pratap Devarapalli
Name of Advisor	Allison Fish
Name of University / Organisation	University of Queensland
Headshot	

Number	33
Name	Benjamin Carey
Poster title	Precision on chip magnetometers for biomedicine
Full list of co-authors	Nathaniel Bawden, Fernando Gotardo, Warwick Bowen
Name of Advisor	Warwick Bowen
Name of University / Organisation	UQ
Headshot	


Number	34
Name	Michael Mlodzianoski
Poster title	Quantum Fluorescence Lifetime Imaging Microscopy
Full list of co-authors	Mlodzianoski, M.J., Hinde, E.
Name of Advisor	Elizabeth Hinde
Name of University / Organisation	University of Melbourne
Headshot	

Number	35
Name	Isa Ahmadalidokht
Poster title	Quantum Microscopy; Microscopy with undetected photons in the mid-infrared
Full list of co-authors	Isa Ahmadalidokht, Mahya Mohammadi, Christopher Poulton, Irina Kabakova, Alexander Solntsev
Name of Advisor	Irina Kabakova
Name of University / Organisation	The University of Technology Sydney
Headshot	


Number	36
Name	Mahya Mohammadi
Poster title	Quantum Microscopy; Microscopy with undetected photons in the mid-infrared
Full list of co-authors	Isa Ahmadalidokht, Mahya Mohammadi, Christopher Poulton, Irina Kabakova, Alexander Solntsev
Name of Advisor	A Prof. Irina Kabakova
Name of University / Organisation	University of Technology Sydney
Headshot	


Number	37
Name	Kyle Clunies-Ross
Poster title	Quantum-enabled super resolution imaging
Full list of co-authors	Larnii Wone, Warwick Bowen, Nicolas Mauranyapin, Rumelo Amor
Name of Advisor	Warwick Bowen
Name of University / Organisation	The University of Queensland
Headshot	





Number	38
Name	Nehad Elsalamouny
Poster title	Rationally Designed Nanobody-Based Quenchbodies: Enhancing Fluorescence Detection for Diagnostic Applications
Full list of co-authors	Nehad S. El Salamouni, Jordan H. Cater, Ghada H. Mansour, Sebastian Hutchinson, Conall Mc Guinness, Stefan H. Mueller, Richard R. Spinks, Nirukshan Shanmugam, Adeline Pichard-Kostuch, Harshad Ghodke, Marco Ribezzi-Crivellari, Antoine M. van Oijen, Andrew D. Griffiths, Lisanne M. Spenkelink, Haibo Yu
Name of Advisor	Haibo Yu
Name of University / Organisation	University of Wollongong
Headshot	





Number	39
Name	Alex Terrasson
Poster title	Reaching quantum advantage over perfect nonlinear microscope with squeezed light
Full list of co-authors	Joel Grimm, Lars Madsen, Warwick Bowen
Name of Advisor	Warwick Bowen
Name of University / Organisation	University of Queensland
Headshot	

Number	40
Name	Nisha Mehta
Poster title	Reduced-scaling double hybrid DFT with rapid basis set convergence through localized pair natural orbital F12
Full list of co-authors	Nisha Mehta and Jan (M. L.) Martin
Name of Advisor	Jan (M. L.) Martin
Name of University / Organisation	Weizmann Institute of Science, The University of Melbourne
Headshot	


Number	41
Name	Abhay Sharma
Poster title	Representing Halogens Accurately in Classical Force Fields
Full list of co-authors	Abhay Sharma
Name of Advisor	Martin Stroet, Alan E. Mark
Name of University / Organisation	The University of Queensland
Headshot	

Number	42
Name	Nishta Arora
Poster title	Sensing and Computing with Nanomechanics
Full list of co-authors	Nishta Arora and Warwick P. Bowen
Name of Advisor	Prof. Warwick Bowen
Name of University / Organisation	The University of Queensland
Headshot	

Number	43
Name	Mark Watson
Poster title	Sensing Rotational Ballistic Motion in Liquids
Full list of co-authors	Alexander Stilgoe, Itia Favre-Bulle, Halina Rubinsztein-Dunlop
Name of Advisor	Halina Rubinsztein-Dunlop
Name of University / Organisation	The University of Queensland
Headshot	


Number	44
Name	Lars S. Madsen
Poster title	Squeezing on a chip
Full list of co-authors	Warwick Bowen
Name of Advisor	Warwick Bowen
Name of University / Organisation	University of Queensland
Headshot	




Number	45
Name	Omkar Nadh
Poster title	The role of models in Quantum Science
Full list of co-authors	Omkar Nadh Pattela
Name of Advisor	Allison Fish
Name of University / Organisation	University of Queensland
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Number	46
Name	Jackson Lucas
Poster title	Unveiling the Dynamics of Protein Binding with Ultrafast Optical Trapping
Full list of co-authors	Alex Terrasson, Nicolas Mauranyapin, Lars Madsen, Warwick Bowen
Name of Advisor	Warwick Bowen
Name of University / Organisation	The University of Queensland
Headshot	

Number	47
Name	Sergey Kruk
Poster title	Upconversion Quantum Microscopy
Full list of co-authors	Sergey Kruk, Dayong Jin, Jiajia Zhou
Name of Advisor	Jiajia Zhou
Name of University / Organisation	UTS
Headshot	





Number	48
Name	Dzung Do-Ha
Poster title	Using Quantum Tools in Neuroscience
Full list of co-authors	Dzung Do-Ha, Hadi Mahmodi, Daniel McCloskey, Jiajia Zhou, Dayong Jin, Irina Kabakova, Lezanne Ooi
Name of Advisor	Lezanne Ooi
Name of University / Organisation	University of Wollongong
Headshot	




Number	49
Name	Jesse Slim
Poster title	What can optomechanics do for you?
Full list of co-authors	Jesse Slim
Name of Advisor	Warwick Bowen
Name of University / Organisation	University of Queensland
Headshot	



Number	50
Name	Maria Amelia Rodriguez
Poster title	Whose Work Counts? Rethinking Authorship in Interdisciplinary Research
Full list of co-authors	Maria Amelia Rodriguez
Name of Advisor	Allison Fish
Name of University / Organisation	University of Queensland
Headshot	

Number	51
Name	Adekola Tolulope Anthony
Poster title	Quantum Biotech, Intellectual Property Law and Distinctive Configurations
Full list of co-authors	Adekola, Tolulope Anthony
Name of Advisor	Allison Fish & Brad Sherman
Name of University / Organisation	The University of Queensland
Headshot	

Number	52
Name	Nicholas Westra van Holthe
Poster title	Maintaining the Biological Relevance in Quantum-Bio
Full list of co-authors	Nicholas J. Westra van Holthe, Alan Rowan
Name of Advisor	Alan Rowan
Name of University / Organisation	The University of Queensland
Headshot	

Number	53
Name	Alexander Stilgoe
Poster title	Optical forces inside biological cells um-Bio
Full list of co-authors	Alexander B. Stilgoe, Timo A. Nieminen, Halina Rubinsztein-Dunlop
Name of Advisor	Halina Rubinsztein-Dunlop
Name of University / Organisation	The University of Queensland
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