Engineering and Physical Sciences Faculty (EPS)

Name	School/Centre	Research fields in which interested in acting as a supervisor.	Link to research profile and email address
Aleksandar Novakovic	Mathematics and Physics	Artificial Intelligence, Data Science, Agri Tech/AI, One Health AI	https://pure.qub.ac.uk/en/persons/aleksandar-novakovic
Hamidreza Siampour Ashkavandi	Mathematics and Physics	Integrated quantum optics, nanophotonics, plasmonics, nanomaterials, semiconductor devices	https://pure.qub.ac.uk/en/persons/hamidreza-siampour-ashkavandi
Dermot Green	Mathematics and Physics	Theoretical and computational physics and chemistry; atomic and molecular physics, many-body physics, electronic structure, antimatter physics, machine learning.	https://blogs.qub.ac.uk/antimatter/dermot/
Mark Berney	Chemistry and Chemical Engineering	Nucleic acids chemistry, including nucleotide modifications, mRNA vaccines and RNA-protein interactions.	https://pure.qub.ac.uk/en/persons/mark-berney
Efrosyni Themistou	Chemistry and Chemical Engineering	Polymer synthesis, Well-defined polymeric nanostructures, Amphiphilic block copolymer self-assembly, Degradable polymers, Hydrogels, Biomaterials, Polymer-protein interactions, Polymer biomedical applications, Polymeric pharmaceutical formulations, Polymeric matrices for tissue engineering	https://pure.qub.ac.uk/en/persons/efrosyni-themistou
Nicole Gui	Chemistry and Chemical Engineering	Hydrogen fuel; carbon capture and utilisation	https://pure.qub.ac.uk/en/persons/nicole-gui
Meilan Huang	Chemistry and Chemical Engineering	Computational Chemistry and Biology, Machine learning in biocatalysis, Theoretical catalysis in photocatalysis	https://pure.qub.ac.uk/en/persons/meilan-huang
Leila Moura	Chemistry and Chemical Engineering	Carbon capture, ionic liquids, porous liquids, deep eutectic solvents, gas separation, microporous polymers	https://pure.qub.ac.uk/en/persons/leila-moura

Panagiotis Manesiotis	Chemistry and Chemical Engineering	Synthetic receptors, sensors, nutrient recovery and sustainability, functional polymers, analytical chemistry, solid-state NMR	https://pure.qub.ac.uk/en/persons/panagiotis-manesiotis https://pure.qub.ac.uk/en/persons/leila-moura
Hannah Crory	Chemistry and Chemical Engineering	Antimicrobial materials science, dynamic covalent bonding networks, responsive materials, glycosylated polymers	https://pure.qub.ac.uk/en/persons/hannah-crory-2
John Holbrey	Chemistry and Chemical Engineering	Applications of ionic liquid technologies to sustainable manufacturing and resource use	https://pure.qub.ac.uk/en/persons/john-holbrey
Stephen Cochrane	Chemistry and Chemical Engineering	Chemical synthesis of new antibiotics, chemical probes to study antibiotic mechanisms	https://pure.qub.ac.uk/en/persons/stephen-cochrane
Peter Nockemann	Chemistry and Chemical Engineering	Sustainable metal recovery, batteries / energy storage, redox flow batteries, rare earth chemistry, hydrometallurgy, e-waste recycling	https://pure.qub.ac.uk/en/persons/peter-nockemann
Haresh Manyar	Chemistry and Chemical Engineering	CO2 hydrogenation, Biomass conversion to fuels and chemicals, Photoreforming for Hydrogen production	https://pure.qub.ac.uk/en/persons/haresh-manyar
Andrew Marr	Chemistry and Chemical Engineering	Green & Sustainable Chemistry; Biocatalysis for platform organics; Biomass to organic chemicals	https://pure.qub.ac.uk/en/persons/andrew-marr
Mohammad Neshat	Electronics, Electrical Engineering and Computer Science	Future wireless THz communication and sensing, Spatio-temporal modulated meta-media, • Reconfigurable electromagnetic (EM) media	https://pure.qub.ac.uk/en/persons/mohammad-neshat
Yun Wu	Electronics, Electrical Engineering and Computer Science	Approximate Computing, Reconfigurable Accelerator, Computer Architecture, Parallel & Heterogeneous Computing, Convex Optimization, Computer Vision, Autonomous Systems	https://pure.qub.ac.uk/en/persons/yun-wu-2
Qiuwei Wu	Electronics, Electrical	control of power systems	https://pure.qub.ac.uk/en/persons/qiuwei-wu

	Engineering and Computer Science		
Yang Hua	Electronics, Electrical Engineering and Computer Science		https://pure.qub.ac.uk/en/persons/yang-hua
Nikolaos Athanasopoulos	Electronics, Electrical Engineering and Computer Science / Energy Power Intelligent systems and Control	Control theory, control engineering, robotics, manufacturing, set based methods, reachability analysis, formal methods, data-driven control	https://pure.qub.ac.uk/en/persons/nikolaos-athanasopoulos
Ihsen Alouani	Electronics, Electrical Engineering and Computer Science /Centre for Secure internet technologies	Trustworthy AI	https://pure.qub.ac.uk/en/persons/ihsen-alouani
Arnab Kumar Biswas	Electronics, Electrical Engineering and Computer Science /Centre for Secure internet technologies	Hardware security, Network security, Advanced computer architecture	https://pure.qub.ac.uk/en/persons/arnab-kumar-biswas
Chongyan Gu	Electronics, Electrical Engineering and Computer Science /Centre for Secure internet technologies	hardware security, security in or for approximate computing	https://pure.qub.ac.uk/en/persons/chongyan-gu
Jie Zhang	Electronics, Electrical Engineering and Computer Science/	Wireless sensing, AIoT, wearable computing	https://pure.qub.ac.uk/en/persons/jie-zhang

	Centre for Wireless Innovation		
Ayesha Khalid	Electronics, Electrical Engineering and Computer Science /Centre for Secure internet technologies	Electronics, Electrical Engineering and Computer Science /Centre for Secure internet technologies Hardware Security, Post Quantum Cryptography, Side Channel Analysis	https://pure.qub.ac.uk/en/persons/ayesha-khalid
Dan Sun	Mechanical and Aerospace Engineering	functional nanocomposites, thermoplastic composites, biomaterials, plasma processing	https://pure.qub.ac.uk/en/persons/dan-sun
Scott Millen	Mechanical and Aerospace Engineering	Composite Materials, Finite Element Analysis (FEA), Low velocity impact (LVI) and compression after impact (CAI), Lightning strike modelling, Fire-Structure Interactions	https://pure.qub.ac.uk/en/persons/scott-millen
Gasser Abdelal	Mechanical and Aerospace Engineering	Material characterisation using AI - Multiphysics numerical modelling using DLNN - Novel Space Debris removal systems	https://pure.qub.ac.uk/en/persons/gasser-abdelal
Jay Lin	Mechanical and Aerospace Engineering	Lithium-ion batteries, energy storage, sustainable energy technologies, thermal management	https://pure.qub.ac.uk/en/persons/jay-lin
Eileen Murphy	Natural and Built Environment	Bioarchaeology	https://pure.qub.ac.uk/en/persons/eileen-murphy
Wei Sha	Natural and Built Environment	Materials science; Construction materials	https://pure.qub.ac.uk/en/persons/wei-sha

Arts and Humanities Faculty (AHSS)

Name	School/Centre	Research fields in which interested in acting as a supervisor.	Link to research profile and email address
Anne Holloway	Arts, English and Languages	Early Modern Spanish Literature and Culture	https://pure.qub.ac.uk/en/persons/anne-holloway
Luke Moffett	Law	Civilian harm, international humanitarian law, artificial intelligence in war, OSINT in armed conflict and justice efforts, reparations	https://pure.qub.ac.uk/en/persons/luke-moffett
Hangfei Guo	Queen's Business School	supply chain simulation and analytics, data-driven decision making.	https://pure.qub.ac.uk/en/persons/hangfei-guo

Medicine, Health and Life Sciences Faculty (MLHS)

Name	School/Centre	Research fields in which interested in acting as a supervisor.	Link to research profile and email address
Rebecca Coll	Medicine, Dentistry and Biomedical Science/Welcome Wolfson Institute for Experimental Medicine	Innate immunity, inflammasome biology, temperature regulation in the immune response e.g. fever	https://pure.qub.ac.uk/en/persons/rebecca-coll
Beckie Ingram	Medicine, Dentistry and Biomedical Science/Welcome Wolfson Institute for	Immunity to infection, vaccinology, respiratory bacterial infection.	https://pure.qub.ac.uk/en/persons/beckie-ingram

	Experimental Medicine		
Anna Krasnodembskaya	Medicine, Dentistry and Biomedical Science/Welcome Wolfson Institute for Experimental Medicine	Mesenchymal stromal cell and extracellular vesicles-based therapies for respiratory disease; Role of lung-resident MSCs in lung health and disease; Lung organoids; Mitochondrial dysfunction and mitochondria based therapy for respiratory diseases.	https://pure.qub.ac.uk/en/persons/anna-krasnodembskaya
Miguel A. Valvano	Medicine, Dentistry and Biomedical Science/Welcome Wolfson Institute for Experimental Medicine	Cellular and molecular microbiology, antibiotic resistance, innate immunity, macrophage/epithelial cells-bacteria interactions	https://pure.qub.ac.uk/en/persons/miguel-a.-valvano
Cliff Taggart	Medicine, Dentistry and Biomedical Science/Welcome Wolfson Institute for Experimental Medicine	Development of host-directed therapeutics for the treatment respiratory bacterial infection	https://pure.qub.ac.uk/en/persons/cliff-taggart
Ruth Hogg	Medicine, Dentistry and Biomedical Sciences/ Centre for Public Health	Epidemiology, vision science, ophthalmology, optometry	https://pure.qub.ac.uk/en/persons/ruth-hogg
David Wright	Medicine, Dentistry and Biomedical Sciences/ Centre for Public Health	Data Science, Machine Learning and AI for medicine, especially ophthalmology.	https://pure.qub.ac.uk/en/persons/david-wright
Karen McCloskey	Medicine, Dentistry and Biomedical Sciences/ Patrick G Johnston Centre for Cancer Research	Cancer Research, Physiology, Pharmacology, Urology	https://pure.qub.ac.uk/en/persons/karen-mccloskey

Mehdi Jafarnejad	Medicine, Dentistry and Biomedical Sciences/ Patrick G Johnston Centre for Cancer Research	RNA Biology	https://pure.qub.ac.uk/en/persons/mehdi-jafarnejad
Ian Overton	Medicine, Dentistry and Biomedical Sciences/ Patrick G Johnston Centre for Cancer Research	Precision medicine, bioinformatics/computational biology, Network biology, Cell decision processes, Cancer research, Drug and vaccine discovery, Data science, Integrative machine learning/AI for biomedical applications	https://pure.qub.ac.uk/en/persons/ian-overton
Oliver Perra	Nursing & Midwifery	Child and infant development; Developmental disorders; Childhood disability; Interventions for caregivers and parents; Innovative quantitative research designs; Advanced statistical methods.	https://pure.qub.ac.uk/en/persons/oliver-perra
Tim Skvortsov	Pharmacy	Phage biology, phage synthetic biology, microbial bioinformatics	https://pure.qub.ac.uk/en/persons/tim-skvortsov
Dimitrios Lamprou	Pharmacy	4D Printing, Bioprinting, Microfluidics, Lab-on-a-chip, Pharmaceutics	https://pure.qub.ac.uk/en/persons/dimitrios-lamprou
Garry Laverty	Pharmacy	Drug delivery, biomaterials, pharmaceutical microbiology; medicinal chemistry; peptide science	https://pure.qub.ac.uk/en/persons/garry-laverty
Eneko Larrañeta	Pharmacy	Drug delivery, biomaterials, 3D-printing, pharmaceutical materials science; implantable devices; medical devices; long-acting drug delivery	https://pure.qub.ac.uk/en/persons/eneko-larra%C3%B1eta