Supervisor 1	Supervisor 2	School
Badenhorst, Paul	Yeon Kwon, So	Cancer & Genomics
Bagshaw, Andrew	Mayhew, Stephen	Psychology
Banzhaf, Manuel	Lovering, Andrew	Biosciences
Banzhaf, Manuel	Lovering, Andrew	Biosciences
Berditchevski, Fedor	Mohammed, Fiyaz	Cancer & Genomics
Bhatt, Apoorva	Alderwick, Luke	Biosciences
Bhatt, Apoorva	Tosin, Mnauela	Biosciences
Borrill, Philippa	Gibbs, Daniel	Biosciences
Borrill, Philippa	Gibbs, Daniel	Biosciences
Britton, Melanie	Peacock, Anna	Chemistry
Brogna, Saverio	Grzechnik, Pawel	Biosciences
Catoni, Marco	Gibbs, Daniel / Borrill, Philippa	Biosciences
Chiou, Shin-Yi	Jensen, Ole	Sportex
Clark, Andy	Jabbari, Sara	Inflammation & Ageing
Coates, Juliet	Tomlinson, Mike / Borrill, Philippa / Sanchez-Moran, Eugenio	Biosciences
Colbourne, John	Viant, Mark / Brown, Ben	Biosciences
Colbourne, John	Orsini, Luisa	Biosciences
Cook, Jennifer	Galea, Joe	Psychology
Cunningham, Debbie	Tomlinson, Mike	Biosciences
Dafforn, Tim	Oppenheimer, Pola	Biosciences
Dafforn, Tim	Fernandez-Trillo, Paco	Biosciences
Dafforn, Tim	Horswel, Sarh	Biosciences
Davies, Paul	Peacock, Anna	Chemistry
DeBrito, Stephane	Tino, Peter	Psychology
Fabritz, Larissa	Gehmlich, Katja	Cardiovascular Sciences
Fan, Yun	Hotchin, Neil	Biosciences
Fernandez-Trillo, Francisco	Overton, Tim / Simmons, Mark	Chemistry
Fernandez-Trillo, Francisco	Gkatzionis, Kostas	Chemistry
Fernandez-Trillo, Francisco	May, Robin / Jabbari, Sarah	Chemistry
Gambus, Aga	Saponaro, Marco	Cancer & Genomics
Gibbs, Daniel	Bassel, Geroge	Biosciences
Grainger, David	Banzhaf, Manuel	Biosciences
Grainger, David	Blair, Jessica	Biosciences
Grainger, David	Grzechnik, Pawel	Biosciences

Grzechnik, Pawel	Brogna, Saverio	Biosciences
Grzechnik, Pawel	Kanhere, Aditi	Biosciences
Hall, Rebecca	Ballou, Elizabeth	Biosciences
Hannon, Mike	Hodges, Nik	Chemistry
Hayward, Scott	Hodges, Nik / Orsini, Luisa	Biosciences
Hidalgo, Alicia	TBD	Biosciences
Hidalgo, Alicia	TBD	Biosciences
Hoogenkamp, Maarten	Ward, Doug	Cancer & Genomics
Horswell, Sarah	Dafforn, Tim	Chemistry
Huber, Damon	di Maio, Alessandro	Biosciences
Johnston, Iain	Bassel, George	Biosciences
Johnston, Iain	Bassel, George	Biosciences
Kanhere, Aditi	Hotchin, Neil	Biosciences
Knowles, Tim	Lovering, Andrew	Biosciences
Kreft, Jan	Vigolo, Daniele	Biosciences
Kuehne, Sarah	Cooper, Paul / Milward, Mike	Dentistry
Lai, Yu-Chiang	Holm, Lars	Sportex
Leach, Lindsey	Luo, Zewei	Biosciences
Leney, Aneika	Cooper, Helen	Biosciences
Lovering, Andrew	Knowles, Tim	Biosciences
Luna-Diez, Estrella	Kettles, Graeme	Biosciences
Luna-Diez, Estrella		Biosciences
Luo, Zewei	Leach, Lindsey	Biosciences
Luo, Zewei	Leach, Lindsey	Biosciences
Luo, Zewei	Leach, Lindsey	Biosciences
May, Robin	McNally, Alan / Green, Laura	Biosciences
McNally, Alan	Van Schaik, Willem	Microbiology & Infection
Mendes, Paula	Overton, Tim	ChemEng
Morris, Jo	Beggs, Andrew	Cancer & Genomics
Moynihan, Patrick	Besra, Gurdyal	Biosciences
Mueller, Ferenc	Fossey, John	Cancer & Genomics
Noppeney, Uta	Tino, Peter	Psychology
Orsini, Luisa	Brown, James / Hayward, Scott	Biosciences
Overton, Tim	Dependent on project	ChemEng
Pikramenou, Zoe	Blair, Jessica	Chemistry
Reynolds, Raymond	Greig, Carolyn	Sportex
Rezaval, Carolina	Hidalgo, Alicia	Biosciences
Rodriguez, Paramaconi	Fernandez-Trillo, Francisco / Gibson, Matthew	Chemistry

Sanchez-Moran, Eugenio	Osman, Kim / Leach, Lindsey	Biosciences
Saponaro, Marco	Higgs, Martin	Cancer & Genomics
Sarkar, Sovan	Coleman, Mathew	Cancer & Genomics
Soller, Matthias	Wheatley, Mark	Biosciences
Soller, Matthias	Winn, Peter / Tomlinson, Mike	Biosciences
Soller, Matthias	Kanhere, Aditi	Biosciences
Soller, Matthias	Mueller, Ferenc	Biosciences
Staresina, Bernhard	Hanslmayr, Simon	Psychology
Tennant, Daniel	He, Shan	Metabolism and Systems
Tucker, James	Dafforn, Tim	Chemistry
Tucker, James	Horswell, Sarah	Chemistry
Tucker, James	Peacock, Anna	Chemistry
Tuxworth, Richard	Kyriacou, Bambos	Cancer & Genomics
Watson, Steve	Thomas, Steve	Cardiovascular Sciences

Project Title
Control of chromatin remodeling activity and and higher order genome organisation by non-coding RNA
Brain state variability: understanding how the internal world shapes the external world
Creating a systematic mycobacterial stress-response map
Understanding Gram-negative envelope biogenesis using genome-wide approaches.
Structure and function of tetraspanin complexes involved in autophagy.
Bovine and human tuberculosis: probing regulatory pathways that drive growth and pathogenesis.
Identifying biosynthesis mechanism of virulence lipids in the tuberculosis-causing bacterium using chemical probes.
The control of wheat grain protein content
Molecular mechanisms regulating wheat grain nutrient content and yield.
Artificial metalloproteins as novel MRI contrast agents
Eukaryotic RNA biology: understanding the role that the RNA helicase UPF1 plays in gene expression
Understanding transgenerational genome plasticity through epigenetic control mechanisms.
Neural modulation of cognitive-motor interference in ageing
Mathematical modelling of the function of Tristetraprolin, a master regulator of inflammation
Understanding signalling networks underpinning key developmental processes during plant evolution
Reducing Environmental Health Impacts of Pesticides
The Biology of Suspended Animation 2
Investigating the fundamental biological mechanisms underlying motor function and social cognition.
Cleavage of receptor protein tyrosine phosphatases: mechanisms and consequences
Viral assemblies for ultrasensitive sensing using SERS
SMALP solubilisation of membrane proteins for therapeutic discovery
Bionanoparticle formation for drug discovery
The design of artificial metalloenzymes with xenobiotic active sites
Neuroimaging of Resilience and Antisocial Behaviour
The effect of substrate stiffness on cardiac performance
Dead cells can talk – understanding the roles of apoptosis in tissue regeneration and growth control
Nucleating the growth of biofilms for biocatalysis with polymer chemistry
Improving the performance of bacteriocins as natural food additives through the use of nanotechnology.
Novel transfection agents as tools for biology
Termination of DNA replication: mechanism and importance
From start to finish: roles for the N-end rule pathway of protein degradation in plant development and stress-response
Understanding cholera pandemics
Understanding Multiple Antibiotic Resistance in Gram-negative Bacteria.
Why do some DNA sequences poison cells?

Transcriptional responses to cellular stress
Roles of transcriptional factors in RNA:DNA hybrids formation
Fungi: their interactions, virulence mechanisms and identification of novel antifungal compounds
Development of novel nano-agents to target DNA replication forks and modulate cell cycle and activity
How does climate influence insect responses to pesticides? – A key question for food security
Genetic and molecular mechanisms of brain structural plasticity and neurodegeneration
Genetic and molecular mechanisms of nervous regeneration and repair
The role of recruiting epigenetic regulators by the LMO2 complex in making cell fate choices
Bacterial Cell Membranes
Dynamic localisation of the bacterial Sec machinery
How do plants roll dice? Genetic features underlying variability in plant development
Evolution and synthetic engineering of bioenergetic organelles
Characterisation of novel form of developmental protein JARID2 and its implications to diseases
Elucidating and inhibiting the mechanisms of lipid transport in Gram-negative bacteria.
Combining microfluidics and mathematical modelling to elucidate the effect of growth rate on antibiotic resistance and plasmid transfer
The role of cyclic di-nucleotides in the pathogenesis of Fusobacterium nucleatum
Elucidating the Mechanism of Muscle Wasting: The Role of Ubiquitin
Genetic Analysis of Complex Traits in Autotetraploid Crops including Potato
Developing mass spectrometry tools to characterise algae's macromolecular machines
Signalling networks in the predatory bacterium Bdellovibrio
Impact of increasing environmental CO_2 on plant immunity
Exploiting induced resistance for trait enhancement in hydroponically-grown crops
Genetics of quantitative traits through a multi-omic approach
Methods for quantitative genetic analyses in autotetraploids
Ploidy driven change in meiotic recombination frequency
Understanding the evolution of virulence in Prototheca
Investigating the genetic factors underpinning successful acquisition and maintenance of MDR plasmids in E. coli
Investigating the effect of nanoscale vibration cues on material surfaces for preventing bacterial adhesion
Survival pathways supporting BRCA1 function.
How does tuberculosis eat its own cell wall?
Single cell resolution analysis of transcriptional regulation in development by 4D imaging
Adaptive Behaviour in our Multisensory World
Dynamics, function and influence of gut microbiome in pesticides resistance
Research in bioprocesses and biofilms
Localised antibiotic delivery and release with luminescent mesoporous silica nanoparticles
Neural adaptations to age-related changes in vestibular hair cell function
How does the brain make decisions when faced with conflicting options?
Affordable ligand-based electrochemical detection of bacterial toxins

Genome Targeting and artificial enhancing of meiotic recombination in crops
Interplay between RNA Pol II transcription and DNA replication
Identifying autophagy regulators in human cellular platforms using human pluripotent stem cell models
Molecular genetic characterization of Drosophila reproductive behaviours for exploitation in insect population control
Identification of pathways deregulating neuronal ELAV/Hu RNA binding proteins in neurodegeneration
mRNA epigenetics: Charaterization of novel layer of gene regulation for essential brain functions
Epitranscriptomic mechanisms in activation of the embryonic genome in vertebrate embryos
Shaping memories during sleep
Modelling mitochondrial metabolism in health and disease
Development of a spectroscopic assay for Potato Virus Y (PVY)
Biological Behaviour of Metal-modified DNA
Light-triggered Motion on a DNA Scaffold
Linking neural development and the DNA damage response
Using light sheet microscopy to monitor endocytosis in megakaryocytes