

Supervisor	Email address	College	School	Project Title
Alicia Hidalgo	a.hidalgo@bham.ac.uk	Life and Environmental Sciences	School of Biosciences	How experience and behaviour change the brain in Drosophila
Alicia Hidalgo	a.hidalgo@bham.ac.uk	Life and Environmental Sciences	School of Biosciences	Regenerative and adult neurogenesis in Drosophila
Andy Lovering	a.lovering@bham.ac.uk	Life and Environmental Sciences	School of Biosciences	Structure & Function of Predatory Bacteria Prey Exit Processes
Aneika Leney	a.lovering@bham.ac.uk	Life and Environmental Sciences	School of Biosciences	Native Mass Spectrometry for the Structural Elucidation of Colourful Macromolecular Machines
Aneika Leney	a.leney@bham.ac.uk	Life and Environmental Sciences	School of Biosciences	Enhancing the stability of natural food colorants
Apoorva Bhatt	a.bhatt@bham.ac.uk	Life and Environmental Sciences	School of Biosciences	Mechanisms of growth and virulence in pathogenic mycobacteria.
Carolina Rezaval	c.rezaval@bham.ac.uk	Life and Environmental Sciences	School of Biosciences	How does the brain make decisions when faced with conflicting options?
Daniel Gibbs	d.gibbs@bham.ac.uk	Life and Environmental Sciences	School of Biosciences	Investigating how plants connect protein synthesis and degradation during mRNA translation to regulate protein quality
Daniel Gibbs	d.gibbs@bham.ac.uk	Life and Environmental Sciences	School of Biosciences	Investigating functions for the N-degron pathway of proteolysis in controlling plant development and stress response
David Grainger	d.grainger@bham.ac.uk	Life and Environmental Sciences	School of Biosciences	Prokaryotic transcription: a new direction?
David Grainger	d.grainger@bham.ac.uk	Life and Environmental Sciences	School of Biosciences	Understanding Multiple Antibiotic Resistance in Gram-negative Bacteria.
David Grainger	d.grainger@bham.ac.uk	Life and Environmental Sciences	School of Biosciences	Understanding how pandemic microbes evolve
David Grainger	d.grainger@bham.ac.uk	Life and Environmental Sciences	School of Biosciences	Understanding the multiple antibiotic resistant ESKAPE pathogen <i>Acinetobacter baumannii</i>
Estrella Luna Diez	e.lunadiez@bham.ac.uk	Life and Environmental Sciences	School of Biosciences	Impact of increasing environmental CO ₂ on plant immunity
Florian Busch	f.a.busch@bham.ac.uk	Life and Environmental Sciences	School of Biosciences	Quantifying the impact of photorespiration on the photosynthetic carbon uptake of plants
Graeme Kettles	g.j.kettles@bham.ac.uk	Life and Environmental Sciences	School of Biosciences	Understanding the molecular mechanisms of plant disease resistance
Graeme Kettles	g.j.kettles@bham.ac.uk	Life and Environmental Sciences	School of Biosciences	Identifying genetic regulators of reproductive transitions in evolutionarily-divergent trees to facilitate rapid breeding
Helen J. Cooper	h.j.cooper@bham.ac.uk	Life and Environmental Sciences	School of Biosciences	New tools for structural biology: Native ambient mass spectrometry
Jan Kreft	j.kreft@bham.ac.uk	Life and Environmental Sciences	School of Biosciences	Microbial and host interactions in the gut microbiome
Jason Mercer	j.p.mercer@bham.ac.uk	Life and Environmental Sciences	School of Biosciences	The impact of human defence GTPases on poxvirus infection
Josh Quick	j.quick@bham.ac.uk	Life and Environmental Sciences	School of Biosciences	Single-cell nanopore sequencing to understand mechanisms of antibiotic resistance
Luisa Orsini	l.orsini@bham.ac.uk	Life and Environmental Sciences	School of Biosciences	Developing biotechnologies for water reuse and waste management
Manuel Banzhaf	m.banzhaf@bham.ac.uk	Life and Environmental Sciences	School of Biosciences	Understanding Gram-negative envelope biogenesis and/or antimicrobial resistance using genome-wide approaches
Matthias Soller	M.Soller@bham.ac.uk	Life and Environmental Sciences	School of Biosciences	Epitranscriptomic regulation of embryo development: function of RNA modifications during the maternal to zygotic transition of vertebrate embryos

Matthias Soller	M.Soller@bham.ac.uk	Life and Environmental Sciences	School of Biosciences	Molecular genetic characterization of Drosophila reproductive behaviours for exploitation in insect population control
Matthias Soller	M.Soller@bham.ac.uk	Life and Environmental Sciences	School of Biosciences	Identification of pathways deregulating neuronal ELAV/Hu RNA binding proteins in neurodegeneration
Matthias Soller	M.Soller@bham.ac.uk	Life and Environmental Sciences	School of Biosciences	Charaterization of novel layer of gene regulation for essential brain functions
Megan McDonald	m.c.mcdonald@bham.ac.uk	Life and Environmental Sciences	School of Biosciences	Chromosomal plasticity and horizontal gene transfer in plant pathogenic fungi
Mike Tomlinson	m.g.tomlinson@bham.ac.uk	Life and Environmental Sciences	School of Biosciences	Characterising the function and structure of tetraspanin membrane proteins using lipid nanodisc technology
Nikolas J Hodges	n.hodges@bham.ac.uk	Life and Environmental Sciences	School of Biosciences	Using novel ferronucleosides to study and regulate DNA replication in cells.
Patrick Moynihan	p.j.moynihan@bham.ac.uk	Life and Environmental Sciences	School of Biosciences	A systems biology approach to understanding mycobacterial diversity
Saverio Brogna	s.brogna@bham.ac.uk	Life and Environmental Sciences	School of Biosciences	Understanding the role that the RNA helicase UPF1 plays in sorting ribonucleoprotein (RNP) complexes and the mechanism by which this role of UPF1 might reduce cellular stress and cell degeneration.
Scott Hayward	s.a.hayward@bham.ac.uk	Life and Environmental Sciences	School of Biosciences	Enhancing food security through understanding pollinator responses to stress
Tim Knowles	t.j.knowles@bham.ac.uk	Life and Environmental Sciences	School of Biosciences	Elucidating the mechanisms of outer membrane biogenesis in Gram-negative bacteria
Tim Knowles	t.j.knowles@bham.ac.uk	Life and Environmental Sciences	School of Biosciences	Structure and function of Batten disease proteins
Yun Fan	y.fan@bham.ac.uk	Life and Environmental Sciences	School of Biosciences	Understanding life after cell death
Yun Fan	y.fan@bham.ac.uk	Life and Environmental Sciences	School of Biosciences	Deciphering the regulation of necrosis
Zewei Luo	z.luo@bham.ac.uk	Life and Environmental Sciences	School of Biosciences	Methods for quantitative genetic analyses in autotetraploids
Zewei Luo	z.luo@bham.ac.uk	Life and Environmental Sciences	School of Biosciences	Ploidy driven change in meiotic recombination frequency