		Academic				
	Organisation eg.		/ Size 60/90/120 eg. BScHons =			Relevant Courses that students should take or have taken
			60pt, taught MSc = 60pt,			
Staff member Evolutionary	LCR	JGS	BiomedHons = 90pt, MSc = 120pt	Title/Area	Expiry Date	
genetics/genomics, Phylogeny						
projects						
						Evolution or biogeography courses such as:
						BIOSCI 109: Ecology & Evolution BIOSCI 210: Evolution - molecules to organisms
						BIOSCI 322: Genes, Populations, Species
						BIOSCI 700: Phylogenetics
						BIOSCI 395: Pacific Biogeography
						BIOSCI 731: Biogeography
Nicholas Matzke	SBS	EEB	2014	Phylogenetic biogeography - testing new models of diversification, extinction, dispersal on with clade of interest or simulated data	none	BIOSCI 220: Quantitative Biology
Micholas Matzke	363	EEB	any	Simulated data	none	Evolution courses such as:
						BIOSCI 109: Ecology & Evolution
						BIOSCI 210: Evolution - molecules to organisms
						BIOSCI 322: Genes, Populations, Species
				Structural phylogopotics now models for including protein structure data in phylogopotics, using the models on		BIOSCI 700: Phylogenetics
Nicholas Matzke	SBS	EEB	anv	Structural phylogenetics - new models for including protein structure data in phylogenetics, using the models on protein groups of interest (e.g. bacterial flagellum), or testing models & performance on simulated or empirical data	none	BIOSCI 220: Quantitative Biology
Wicholds Widtzke	363	LLB	diff	Structural phylogenetics - trialing methods of Multiple Sequence Alignment and MSA visualization for protein	none	biosci 220. Quantitative biology
Nicholas Matzke	SBS	EEB	any	structure characters		
				Other potential phylogenetics/bioinformatics projects of interest, e.g. (1) make a bioinformatics tool (e.g. dot-plot		
				visualiser for 3Di protein structure characters), or (2) updating older questions with new data & methods:		
Nicholas Matzke	SBS	EEB	any	AMELX/AMELY (sex-specific proteins in mammal teeth), blood-clotting cascade, GULO pseudogene for vitamin C synthesis		
	SBS	EEB	any	Recombination in hihi (stitchbird): why do males do it more?	none	BIOSCI 351 plus ideally BIOSCI 322 or BIOSCI 210; must take BIOSI 701 (okay if taking concurrently)
Anna Santure	SBS	EEB	any	Comparing mitochondrial and genomic signals of invasion in the common myna	none	BIOSCI 351 plus ideally BIOSCI 322 or BIOSCI 210; must take BIOSI 701 (okay if taking concurrently)
Nobuto Takeuchi	SBS	СМРВ	any	Mathematical or computational modelling of genome evolution	none	BIOSCI 702, BIOSCI 700, BIOSCI 701 (700-level can be concurrent)
	SBS	CMPB	Hons (60 or 90 pt), 120-pt MSc	Evolutionary genomics of prokaryote genomes Modelling how mitoshandrial structure affects the flow of protons	none	BIOSCI 700, BIOSCI 701, BIOSCI 702 (700-level can be concurrent)
	SBS SBS	СМРВ	any	Modelling how mitochondrial structure affects the flow of protons Modelling antimicrobial peptide-membrane interactions		
	SBS	EEB	90 or 120	Divergence between NZ isolated yeast and international representatives	none	BIOSCI 220, ideally BIOSCI 322 and/or BIOSCI 351; BIOSCI 701 (700-level can be concurrent)
Sarah Knight	SBS	EEB	120	Population genetics of Wakame in NZ	none	BIOSCI 220, ideally BIOSCI 322 and/or BIOSCI 351; BIOSCI 701 (700-level can be concurrent)
Austen Ganley	SBS	ВНВ	any	Assessing AI models of genomic predictions	none	BIOSCI355 or equivalent
Austen Ganley Austen Ganley	SBS SBS	BHB BHB	any 90 or 120	Determining functional areas of genomes using random DNA Determining the dominant recombination pathway in the ribosomal RNA gene repeats	none	BIOSCI355 or equivalent BIOSCI351 or BIOSCI355 or equivalent; BIOSCI736 (700-level can be concurrent)
· ·	SBS	ВНВ	90 or 120	Experimental evolution of random DNA sequences	none none	BIOSCI210 or BIOSCI355 or equivalent
·	SBS	EEB	120	Determine CRISPR spacer variation within bacterial populations as a dynamic record of bacterial-viral interactions	none	BIOSCI 701 (700-level can be concurrent), ideally BIOSCI 204 and 347
				Traction the could tipe of the Debracion and		Evolution courses such as: BIOSCI 109: Ecology & Evolution, BIOSCI 210: Evolution - molecules to organisms,
	SBS	EEB EEB	90 or 120 90 or 120	Tracing the evolution of the Polynesian gods Testing and evaluating models of language evolution	none none	BIOSCI 322: Genes, Populations, Species, BIOSCI 700: Phylogenetics, BIOSCI 220: Quantitative Biology BIOSCI700
On hor Greening	OBO		00 01 120	resting and evaluating models of language evolution	none	BIOSCI700
						Evolution courses such as: BIOSCI 109: Ecology & Evolution, BIOSCI 210: Evolution - molecules to organisms,
		EEB	90 or 120	Using phylogenies of language to shed light into human prehistory	none	BIOSCI 322: Genes, Populations, Species, BIOSCI 700: Phylogenetics, BIOSCI 220: Quantitative Biology
	SBS	EEB	120	Exploring the genetic basis of shell colour in chitons	2029	BIOSCI 355 or equivalent
Marine/Freshwater Projects Kim Handley	SBS	FFR	120	Determine the function of heliorhodopsin in the photoheterotrophy of estuarine bacteria	none	BIOSCI 204, ideally BIOSCI 347
Kim Handley	SBS	FFB	120	Confirm predictions of anaerobic nitrogen metabolism in the subsurface Nitrospirota bacterial phylum	none	BIOSCI 204, ideally BIOSCI 347
Brendon Dunphy	SBS	FFB	any	Ecophysiology of seabirds	none	BIOSCI 334
Kendall Clements	SBS	СМРВ	120	Diet in herbivorous and detritivorous coral reef fishes	none	BIOSCI 335, BIOSCI 725
Kendall Clements	SBS	СМРВ	120	Biodiversity of coral reef cyanobacteria		
Priscila Salloum	SBS	EEB	120	Probiotics and experimental microbiome manipulation in New Zealand chitons	2029	BIOSCI 204, BIOSCI 749 can be helpful but not required
Zoology/Behaviour/Biodiversit						
y Projects Sarah Knight	SBS	EEB	120	Metabolic potential of Aotearoa NZ's yeasts	none	Ideally BIOSCI 322, 348, 204 but not necessary
- 2. 2		_			1.51.5	BIOSCI 220, ideally BIOSCI 322 and/or BIOSCI 351; BIOSCI 701 (700-level can be concurrent). This is a
Sarah Knight	SBS	EEB	120	Biodiversity of NZ vineyards	none	computational project with existing data.
'	SBS	EEB	120	Microbiomes of endemic pollinators	none	skills: microbial ecology, microbiology, entomology, bioinformatics, statistics
Manpreet Dhami Manpreet Dhami	SBS SBS	EEB EEB	120	Microbiome of kiwi Competition coexistence dynamics of nectar yeast communities	none none	skills: microbial ecology, microbiology, conservation biology, bioinformatics statistics skills: ecology, stats, microbiology
'	SBS	EEB	120	Monitoring of tropical and subtropical reef fishes using citizen science	none	James Coology, State, Hile obiology
, 55 -				Using metabarcoding of Autonomous Reef Monitoring Systems to evaulate the shallow marine biodiversity of		
Libby Liggins	SBS	EEB	60/120	Rangitāhua	none	
	SBS	EEB	any	Microbiome profiling in chitons		BIOSCI 204 may be helpful, but not required
Priscila Salloum Neil Birrell & Rich Leschen	SBS/MWL	EEB EEB	120	Shell colour variation, colour quantification and camouflage in chitons Finding Mates in Flightless Beetles: Comparative morphology of cerambycid antennal ultrastructures	none 2029	BIOSCI 109 BIOSCI 208 and 338 wpuld be helpful but not necessary
Plant and Other Terrestial	JJJ/ IVI VV L	LLD	140	r maing mates in ringiniess beenes. Comparative morphology of cerambyold affermal ditrastructures	none	pieser 200 and 330 whala be neithful but not necessary
Projects						
				Non-chemical weed management - using native pathogens. Māori student preferred for funding (Bioprotection		
·	SBS	EEB	120	Aotearoa) - fees + \$10K stipend funding	none.	BIOSCI 394 ideally, plant pathology
Cate Macinnis-Ng James Brock	SBS SBS	EEB	60, 120 120	Plant responses to a changing climate - field and glasshouse-based projects available Ferns and fire - spore banks in a changing landscape (must start July, have driving licence)	none none	BIOSCI 325, BIOSCI 766 BIOSCI 394 and maybe 325
Chris Carrie	SBS	CMP	60/120	Determining the molecular basis of the high temperature stress resistance of geothermal Kānuka	none	BIOSCI 354 and maybe 325 BIOSCI 326, BIOSCI 351 or equivalent. Anyone interested in Biochmestry, genetics or molecular biology
			<u> </u>	0 11 12 12 12 12 12 12 12		, , , , , , , , , , , , , , , , , , , ,
Biomedical and Human						
Biology	CDC	DUD	00 or 120	Company housing multipolar in a single file		instrumed on the district of (NAFDCCI 202 or DIOCCI 204 115 III AAFDCCI 214 1
Inken Kelch Alicia Didsbury & Daniel	SBS	ВНВ	90 or 120	Comprehensive multicolour imaging of immune organs Next-Generation T-Cell Expansion for Adoptive Immunotherapy: Integrating Serum-Free Media and Novel Culture	none	immunology background (MEDSCI 202 or BIOSCI 201, ideally MEDSCI 314)
Verdon	SBS	ВНВ	90 or 120	Platforms	none	immunology background (MEDSCI 202 or BIOSCI 201, ideally MEDSCI 314)
				Analysis of RNA-seq data to determine how tPA treatment impairs the brain endothelial barrier following ischemic		C. C. T.
₹	i	DUD	60	stroke	Earliest Start: BIOSCI 761 2nd Sem 2026	BIOSCI 220 & stage III/700 level courses with cellular & molecular focus. Experience with R packages.
Catherine (Kate) Angel Christopher Walker	SBS SBS	BHB BHB	00	Cell signalling and receptors in metabolic disease	Edilicat Start. Dioaci 701 Zila Scili 2020	biosci 220 & stage iii/ 700 level courses with cellular & molecular focus. Experience with it packages.

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Hilary Sheppard	SBS	BHB BHB	90 or 120	Gene editing for severe skin conditions		
Jessie Jacobsen John Taylor	SBS SBS	внв		Lymphatic modulation by		
Anthony Phillips	SBS	ВНВ	120	Oxidative stress measures at the bedside - developing a new window on critical illness		do 761 in S1
Anthony Phillips	SBS	ВНВ	120	Extending the biological capability of a lowgravity simulation machine		do 761 in S1; interest in engineering and some basic programming experience advantageous
Anthony Phillips	SBS	ВНВ	120	Modulating lymphatic function to help congestive heart failure		do 761 in S1; interest in engineering and some basic programming experience advantageous
Anthony Phillips	SBS	ВНВ	120	Attenuating negative effects of space flight on mitochondria		do 761 in S1
Garth Cooper	SBS	внв				
Kerry Loomes	SBS	ВНВ				
Mike Taylor	SBS	ВНВ				
Rod Dunbar	SBS	внв				
Russell Snell	SBS	ВНВ				
Saem Park	SBS	ВНВ	90 or 120	Spatial Mapping of Immune Responses in Human Cancers		immunology background (MEDSCI 202 or BIOSCI 201, ideally MEDSCI 314)
Nicole Edwards	SBS	ВНВ				
Emma Scotter	SBS	ВНВ	90 or 120	Developing cell models of neurodegenerative disease		
Emma Scotter	SBS	ВНВ	90 or 120	Multiplex immunohistochemistry of human brain tissue in motor neuron disease		
Jennifer Miles-Chan	SBS SBS	BHB BHB				
Paul Harris	SBS	СМРВ/ВНВ	60/90/120	RNaseHI as a target for new antibiotics		
Shaun Lott	SBS	CIVIPB/BHB	+	Developing Next-Generation Platforms for Precision Cancer Therapy		
Iman Kavianinia Cellular, Molecular and	282		120	Developing Next-Generation Platforms for Precision Cancer Therapy		
Physiological Biology						
Matthew Sullivan	SBS	СМР	120	Structural and Functional Analysis of Protein–Metallodrug Interactions	none	BIOSCI350, BIOSCI353 or equivalent.
David Goldstone	SBS	CMP	120	Using structural biology to understand the function and role of polygalacturonases in fruit ripening	none	Biochemistry or plant biology.
David Goldstone	SBS	CMP	121	Structural investigation of anti-retroviral compounds targeting the HIV-1 Capsid	none	Biochemistry, BIOSCI350, BIOSCI353 or equivalent.
David Goldstone	SBS	CMP	120	Establishing a method to probe the recognition of the retroviral capsids by the host restriction factor Trim5alpha.	none	BIOSCI350,BIOSCI353 or equivalent.
Karine David	SBS	CMP	120	Molecular pathways controlling fruit flesh development in apple/tomato	none	BIOSCI 326, BIOSCI 351 or equivalent
Karine David	SBS	CMP	120	Analysis on candidate genes controlling fruit size in kiwifruit	none	BIOSCI 326, BIOSCI 351 or equivalent
Soledad Perez Santangelo	SBS	CMP	60/120	Role of alternative splicing in circadian clock regulation by temperature in legumes	none	BIOSCI 326, BIOSCI 351 or equivalent
	SBS	CMP	60/120	Analysis of candidate genes involved in temperature-mediated modulation of circadian rhythms in legumes	none	BIOSCI 326, BIOSCI 351 or equivalent
Chris Carrie	SBS	CMP	60/120	Determining the molecular basis of the high temperature stress resistance of geothermal Kānuka	none	BIOSCI 326, BIOSCI 351 or equivalent. Anyone interested in Biochmestry, genetics or molecular biology
Chris Carrie	SBS	CMP	60/120	What is the molecular role of the MICOS complex in maintaining plant mitochondrial ultrastructure	none	BIOSCI 326, BIOSCI 351 or equivalent. Anyone interested in Biochmestry, genetics or molecular biology
Chris Carrie	SBS	СМР	60/120	Development of an inducible chloroplast biogenesis system	none	BIOSCI 326, BIOSCI 351 or equivalent. Anyone interested in Biochmestry, genetics or molecular biology
Kim Snowden	PFR	СМР	60/120	Understanding the pathways that control plant architecture	none	BIOSCI 326, BIOSCI 351 or equivalent
Kim Snowden	PFR	СМР	60/120	Developing new tools to control plant development	none	BIOSCI 326, BIOSCI 351 or equivalent
Kim Snowden	PFR	СМР	60/120	Gene editing of crop plants to improve management and yield	none	BIOSCI 326, BIOSCI 351 or equivalent
Augusto Simoes-Barbosa	SBS	СМР				
lain Hay	SBS	СМР	120	Designing protein inhibitors for bacterial outer membrane proteins	none	
lain Hay	SBS	CMP	120	Understanding bacterial intra species competion and kin recognition	none	
Richard Kingston	SBS	CMP	120	How does Syto9, a widely-used fluorescent dye, bind nucleic acids?		
Richard Kingston	SBS	CMP CMP	120	Investigating the oligomeric state of the coiled-coil found in Paramyxoviral Phosphoproteins.		
Andrew Allan Anthony Poole	SBS SBS	CMP	120	Recovery and sequencing of complete mitogenomes using Oxford nanopore technology		
Craig Millar	SBS	CMP	120	Establishing parentage and relatedness in the communal groups of Brown Skua using microsatellite markers		
Matthew Templeton	SBS	CMP		Establishing parentage and relateuress in the communar groups of brown skad asing microsatelite markers		
Christopher Squire	SBS	CMP	120	Genome mining for novel antimicrobial agents		
Ghader Bashiri	SBS	СМР	120	Biosynthetic enzymes in microbial secondary metabolism		
Ghader Bashiri	SBS	СМР	120	Enzyme engineering for biocatalysis		
Ghader Bashiri	SBS	СМР	120	How pathogenic bacteria sense oxidative stress?		
Ghader Bashiri	SBS	СМР	120	Targeting DNA repair for new antibiotics		
Robert Schaffer	SBS	CMP/PFR				
Robin MacDiarmid	SBS	CMP/PFR				
Shaun Lott	SBS		60/90/120	Rhs repeat proteins in bacterial competition and multicellular evolution.		
Tristan de Rond		СМРВ/ВНВ				
	SCS	СМР	60/90/120	Genome mining / biosynthetic enzyme discovery		Biochemistry, Molecular biology, Organic chemistry
Tristan de Bond		СМР	60/90/120			Biochemistry, Molecular biology, Organic chemistry. Some computer competency would be good if you want
Tristan de Rond	SCS	CMP	60/90/120 60/90/120	Enzyme biotechnology / synthetic biology / metabolic engineering		Biochemistry, Molecular biology, Organic chemistry. Some computer competency would be good if you want to use the pipetting robot ;)
Tristan de Rond Tristan de Rond		СМР	60/90/120	Enzyme biotechnology / synthetic biology / metabolic engineering Bioinformatic tool development for genome mining / biosynthetic enzyme discovery		Biochemistry, Molecular biology, Organic chemistry. Some computer competency would be good if you want
	SCS	CMP	60/90/120 60/90/120	Enzyme biotechnology / synthetic biology / metabolic engineering Bioinformatic tool development for genome mining / biosynthetic enzyme discovery Investigating Flocculation in Genetically Engineered Pichia Pastoris for Heterologous Protein Expression - how	e for BIOSCI 761 in S1 2026. Research completed	Biochemistry, Molecular biology, Organic chemistry. Some computer competency would be good if you want to use the pipetting robot ;)
Tristan de Rond	SCS SCS	CMP	60/90/120 60/90/120	Enzyme biotechnology / synthetic biology / metabolic engineering Bioinformatic tool development for genome mining / biosynthetic enzyme discovery Investigating Flocculation in Genetically Engineered Pichia Pastoris for Heterologous Protein Expression - how flocculation can be used to reduce downstream processing in heterologous protein expression. 1 to 2 projects will be	·	Biochemistry, Molecular biology, Organic chemistry. Some computer competency would be good if you want to use the pipetting robot;) Microbial genomics, Bioinformatics, Biochemistry
	SCS	CMP	60/90/120 60/90/120	Enzyme biotechnology / synthetic biology / metabolic engineering Bioinformatic tool development for genome mining / biosynthetic enzyme discovery Investigating Flocculation in Genetically Engineered Pichia Pastoris for Heterologous Protein Expression - how flocculation can be used to reduce downstream processing in heterologous protein expression. 1 to 2 projects will be offered in this topic.	e for BIOSCI 761 in S1 2026. Research completed end of S2 2026 for BIOSCI 761 in S1 2026. Research completed	Biochemistry, Molecular biology, Organic chemistry. Some computer competency would be good if you want to use the pipetting robot ;)
Tristan de Rond	SCS SCS	CMP	60/90/120 60/90/120	Enzyme biotechnology / synthetic biology / metabolic engineering Bioinformatic tool development for genome mining / biosynthetic enzyme discovery Investigating Flocculation in Genetically Engineered Pichia Pastoris for Heterologous Protein Expression - how flocculation can be used to reduce downstream processing in heterologous protein expression. 1 to 2 projects will be	end of S2 2026	Biochemistry, Molecular biology, Organic chemistry. Some computer competency would be good if you want to use the pipetting robot;) Microbial genomics, Bioinformatics, Biochemistry
Tristan de Rond Irina Miller	SCS SCS Daisy Lab	CMP	60/90/120 60/90/120	Enzyme biotechnology / synthetic biology / metabolic engineering Bioinformatic tool development for genome mining / biosynthetic enzyme discovery Investigating Flocculation in Genetically Engineered Pichia Pastoris for Heterologous Protein Expression - how flocculation can be used to reduce downstream processing in heterologous protein expression. 1 to 2 projects will be offered in this topic. Computational analysis of fermentation data for protein optimisation in heterologous expression systems. 1 to 2	end of S2 2026 for BIOSCI 761 in S1 2026. Research completed	Biochemistry, Molecular biology, Organic chemistry. Some computer competency would be good if you want to use the pipetting robot;) Microbial genomics, Bioinformatics, Biochemistry Background in Protein Structure/Function, microbiology
Tristan de Rond Irina Miller	SCS SCS Daisy Lab	CMP	60/90/120 60/90/120	Enzyme biotechnology / synthetic biology / metabolic engineering Bioinformatic tool development for genome mining / biosynthetic enzyme discovery Investigating Flocculation in Genetically Engineered Pichia Pastoris for Heterologous Protein Expression - how flocculation can be used to reduce downstream processing in heterologous protein expression. 1 to 2 projects will be offered in this topic. Computational analysis of fermentation data for protein optimisation in heterologous expression systems. 1 to 2 projects will be offered in this topic.	end of S2 2026 for BIOSCI 761 in S1 2026. Research completed end of S2 2026 for BIOSCI 761 in S1 2026. Research completed end of S2 2026	Biochemistry, Molecular biology, Organic chemistry. Some computer competency would be good if you want to use the pipetting robot;) Microbial genomics, Bioinformatics, Biochemistry Background in Protein Structure/Function, microbiology
Tristan de Rond Irina Miller Irina Miller Irina Miller	SCS SCS Daisy Lab Daisy Lab Daisy Lab	CMP	60/90/120 60/90/120	Enzyme biotechnology / synthetic biology / metabolic engineering Bioinformatic tool development for genome mining / biosynthetic enzyme discovery Investigating Flocculation in Genetically Engineered Pichia Pastoris for Heterologous Protein Expression - how flocculation can be used to reduce downstream processing in heterologous protein expression. 1 to 2 projects will be offered in this topic. Computational analysis of fermentation data for protein optimisation in heterologous expression systems. 1 to 2 projects will be offered in this topic. Investigation of the Relationship Between Glycosylation Patterns and Functional Properties of Recombinant Lactoferrin. 1 to 2 projects will be offered in this topic. Stability assessment of Recombinant Lactoferrin under variable processing and storage conditions. 1 to 2 projects will	end of S2 2026 for BIOSCI 761 in S1 2026. Research completed end of S2 2026 for BIOSCI 761 in S1 2026. Research completed end of S2 2026 ill for BIOSCI 761 in S1 2026. Research completed	Biochemistry, Molecular biology, Organic chemistry. Some computer competency would be good if you want to use the pipetting robot;) Microbial genomics, Bioinformatics, Biochemistry Background in Protein Structure/Function, microbiology Background in Protein Structure/Function, microbiology Background in Protein Structure/Function, microbiology
Tristan de Rond Irina Miller Irina Miller	SCS SCS Daisy Lab Daisy Lab	CMP	60/90/120 60/90/120	Enzyme biotechnology / synthetic biology / metabolic engineering Bioinformatic tool development for genome mining / biosynthetic enzyme discovery Investigating Flocculation in Genetically Engineered Pichia Pastoris for Heterologous Protein Expression - how flocculation can be used to reduce downstream processing in heterologous protein expression. 1 to 2 projects will be offered in this topic. Computational analysis of fermentation data for protein optimisation in heterologous expression systems. 1 to 2 projects will be offered in this topic. Investigation of the Relationship Between Glycosylation Patterns and Functional Properties of Recombinant Lactoferrin. 1 to 2 projects will be offered in this topic.	end of S2 2026 for BIOSCI 761 in S1 2026. Research completed end of S2 2026 for BIOSCI 761 in S1 2026. Research completed end of S2 2026 ill for BIOSCI 761 in S1 2026. Research completed end of S2 2026	Biochemistry, Molecular biology, Organic chemistry. Some computer competency would be good if you want to use the pipetting robot;) Microbial genomics, Bioinformatics, Biochemistry Background in Protein Structure/Function, microbiology Background in Protein Structure/Function, microbiology
Tristan de Rond Irina Miller Irina Miller Irina Miller	SCS SCS Daisy Lab Daisy Lab Daisy Lab Daisy Lab	CMP	60/90/120 60/90/120	Enzyme biotechnology / synthetic biology / metabolic engineering Bioinformatic tool development for genome mining / biosynthetic enzyme discovery Investigating Flocculation in Genetically Engineered Pichia Pastoris for Heterologous Protein Expression - how flocculation can be used to reduce downstream processing in heterologous protein expression. 1 to 2 projects will be offered in this topic. Computational analysis of fermentation data for protein optimisation in heterologous expression systems. 1 to 2 projects will be offered in this topic. Investigation of the Relationship Between Glycosylation Patterns and Functional Properties of Recombinant Lactoferrin. 1 to 2 projects will be offered in this topic. Stability assessment of Recombinant Lactoferrin under variable processing and storage conditions. 1 to 2 projects will be offered in this topic.	end of S2 2026 for BIOSCI 761 in S1 2026. Research completed end of S2 2026 for BIOSCI 761 in S1 2026. Research completed end of S2 2026 ill for BIOSCI 761 in S1 2026. Research completed end of S2 2026 for BIOSCI 761 in S1 2026. Research completed	Biochemistry, Molecular biology, Organic chemistry. Some computer competency would be good if you want to use the pipetting robot;) Microbial genomics, Bioinformatics, Biochemistry Background in Protein Structure/Function, microbiology
Tristan de Rond Irina Miller Irina Miller Irina Miller	SCS SCS Daisy Lab Daisy Lab Daisy Lab	CMP	60/90/120 60/90/120	Enzyme biotechnology / synthetic biology / metabolic engineering Bioinformatic tool development for genome mining / biosynthetic enzyme discovery Investigating Flocculation in Genetically Engineered Pichia Pastoris for Heterologous Protein Expression - how flocculation can be used to reduce downstream processing in heterologous protein expression. 1 to 2 projects will be offered in this topic. Computational analysis of fermentation data for protein optimisation in heterologous expression systems. 1 to 2 projects will be offered in this topic. Investigation of the Relationship Between Glycosylation Patterns and Functional Properties of Recombinant Lactoferrin. 1 to 2 projects will be offered in this topic. Stability assessment of Recombinant Lactoferrin under variable processing and storage conditions. 1 to 2 projects will	end of S2 2026 for BIOSCI 761 in S1 2026. Research completed end of S2 2026 for BIOSCI 761 in S1 2026. Research completed end of S2 2026 ill for BIOSCI 761 in S1 2026. Research completed end of S2 2026	Biochemistry, Molecular biology, Organic chemistry. Some computer competency would be good if you want to use the pipetting robot;) Microbial genomics, Bioinformatics, Biochemistry Background in Protein Structure/Function, microbiology Background in Protein Structure/Function, microbiology Background in Protein Structure/Function, microbiology
Irina Miller Irina Miller Irina Miller Irina Miller Irina Miller	SCS SCS Daisy Lab Daisy Lab Daisy Lab Daisy Lab Daisy Lab	CMP	60/90/120 60/90/120	Enzyme biotechnology / synthetic biology / metabolic engineering Bioinformatic tool development for genome mining / biosynthetic enzyme discovery Investigating Flocculation in Genetically Engineered Pichia Pastoris for Heterologous Protein Expression - how flocculation can be used to reduce downstream processing in heterologous protein expression. 1 to 2 projects will be offered in this topic. Computational analysis of fermentation data for protein optimisation in heterologous expression systems. 1 to 2 projects will be offered in this topic. Investigation of the Relationship Between Glycosylation Patterns and Functional Properties of Recombinant Lactoferrin. 1 to 2 projects will be offered in this topic. Stability assessment of Recombinant Lactoferrin under variable processing and storage conditions. 1 to 2 projects will be offered in this topic.	end of S2 2026 for BIOSCI 761 in S1 2026. Research completed end of S2 2026 for BIOSCI 761 in S1 2026. Research completed end of S2 2026 ill for BIOSCI 761 in S1 2026. Research completed end of S2 2026 for BIOSCI 761 in S1 2026. Research completed	Biochemistry, Molecular biology, Organic chemistry. Some computer competency would be good if you want to use the pipetting robot;) Microbial genomics, Bioinformatics, Biochemistry Background in Protein Structure/Function, microbiology
Tristan de Rond Irina Miller Irina Miller Irina Miller	SCS SCS Daisy Lab Daisy Lab Daisy Lab Daisy Lab Daisy Lab	CMP	60/90/120 60/90/120	Enzyme biotechnology / synthetic biology / metabolic engineering Bioinformatic tool development for genome mining / biosynthetic enzyme discovery Investigating Flocculation in Genetically Engineered Pichia Pastoris for Heterologous Protein Expression - how flocculation can be used to reduce downstream processing in heterologous protein expression. 1 to 2 projects will be offered in this topic. Computational analysis of fermentation data for protein optimisation in heterologous expression systems. 1 to 2 projects will be offered in this topic. Investigation of the Relationship Between Glycosylation Patterns and Functional Properties of Recombinant Lactoferrin. 1 to 2 projects will be offered in this topic. Stability assessment of Recombinant Lactoferrin under variable processing and storage conditions. 1 to 2 projects will be offered in this topic.	end of S2 2026 for BIOSCI 761 in S1 2026. Research completed end of S2 2026 for BIOSCI 761 in S1 2026. Research completed end of S2 2026 ill for BIOSCI 761 in S1 2026. Research completed end of S2 2026 for BIOSCI 761 in S1 2026. Research completed	Biochemistry, Molecular biology, Organic chemistry. Some computer competency would be good if you want to use the pipetting robot;) Microbial genomics, Bioinformatics, Biochemistry Background in Protein Structure/Function, microbiology
Irina Miller Irina Miller Irina Miller Irina Miller Irina Miller Irina Miller Projects at the policy interface	SCS SCS Daisy Lab Daisy Lab Daisy Lab Daisy Lab Daisy Lab	CMP CMP CMP	60/90/120 60/90/120 60/90/120 60 60 60 60	Enzyme biotechnology / synthetic biology / metabolic engineering Bioinformatic tool development for genome mining / biosynthetic enzyme discovery Investigating Flocculation in Genetically Engineered Pichia Pastoris for Heterologous Protein Expression - how flocculation can be used to reduce downstream processing in heterologous protein expression. 1 to 2 projects will be offered in this topic. Computational analysis of fermentation data for protein optimisation in heterologous expression systems. 1 to 2 projects will be offered in this topic. Investigation of the Relationship Between Glycosylation Patterns and Functional Properties of Recombinant Lactoferrin. 1 to 2 projects will be offered in this topic. Stability assessment of Recombinant Lactoferrin under variable processing and storage conditions. 1 to 2 projects will be offered in this topic. Functional testing of recombinant lactoferrin. 1 to 2 projects will be offered in this topic.	end of S2 2026 for BIOSCI 761 in S1 2026. Research completed end of S2 2026 for BIOSCI 761 in S1 2026. Research completed end of S2 2026 ill for BIOSCI 761 in S1 2026. Research completed end of S2 2026 for BIOSCI 761 in S1 2026. Research completed end of S2 2026	Biochemistry, Molecular biology, Organic chemistry. Some computer competency would be good if you want to use the pipetting robot;) Microbial genomics, Bioinformatics, Biochemistry Background in Protein Structure/Function, microbiology
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Dave Seldon	SBS	EEB	120	Revision of aotearoa weevil genus Clypeolus		
Dave Seldon	SBS	EEB	90,120	micro-hymenotpera diversity in urban restoration projects		
Dave Seldon	SBS	EEB	120	Revision of the infimate species group within the genus Mecodema (ground beetles)		
Al Glen	SBS	EEB	120	Revision of the endemic ground beetle genus Neoferonia		
				Sensory ecology and interactions, esp. colour and light perception (plant-animal or fungi-animal interactions such as		any zoology, botany and natural history subjects (e.g. BIOSCI 206, BIOSCI 207, BIOSCI325, BIOSCI337, BIOSCI
Anne Gaskett	SBS	EEB	any	pollination or fruit dispersal, or seabirds and sensory traps such as plastic ingestion or light pollution)	none	338, BIOSCI395)
Brendon Dunphy	SBS	EEB	120	Physiological apporaches to improve invertebrate aquaculture	none	BIOSCI 208, MARSCI328, and BIOSCI 727
Bruce Burns	SBS	EEB				
Darren Ward	MWL	EEB	any	Do citizen scientists (iNaturalist) and museum collections document similar data on biodiversity	none	
Darren Ward	MWL	EEB	any	Using automated identification models to identify invasive ants (can include a small field component)	none	
Emma Carroll	SBS	EEB				
J David Aguirre	SBS	EEB	120	Heritability of tropical damselfish feeding and locomotion traits	none	
J David Aguirre	SBS	EEB	120	Diet niche variance and segragation within populations of damselfishes using Stable Isotope analyses	none	
Kristal Cain	SBS	EEB				
				Recent and predicted furture changes to NZ shallow marine environments using dispersal simulations and niche		
Libby Liggins	SBS	EEB	120	modelling	none	
Libby Liggins	SBS	EEB	120	Diet analysis of co-occurring NZ urchins using metabarcoding	none	
Libby Liggins	SBS	EEB	120	Kin and spatial genetic structuring of tropical damselfishes across reefscapes	none	
Margaret Stanley	SBS	EEB	120pt	Bioprotection Aotearoa funded project on weed management (w stipend) for Māori student	for BIOSCI 761 in S2 2026	
Alice Della Penna	IMS+SBS	EEB	Any	Investigating plankton patchiness with semi-automated microscopy		