

<b>Academic Staff</b>	<b>FYP Titles</b>
Ashton L A	Is moth diversity maintained in remnant forest patches of Hong Kong?
	How does disturbance impact the pitcher plant food webs of Hong Kong
	Plant-herbivore food webs across a disturbance gradient in Hong Kong
Bonebrake T C	Light pollution impacts on moths and insects
	Diversity of arthropod taxa in Hong Kong forests
	Thermal variation across forest microclimatic gradients
	Urban biodiversity in Hong Kong parks
	Butterfly morphology across thermal gradients
	Operative temperatures of congenric skinks
Chan C B	Transdifferentiation of myoblast by 7,8-Dihydroxyflavone
Chow B K C	Optogenetic modifications of class B GPCRs: The project intend to modify class B GPCR structures by genetic means to activate these receptors by light
Dingle C	Effects of noise pollution on urban wildlife (Not limited to birds! Could look at frogs, insects, etc.)
	Behavioural ecology of urban birds
	Market analysis and impacts of the cage bird trade on wild populations
	Feeding ecology of resident and migratory populations of birds (field observations and isotope analysis)
	Using isotopes to determine breeding origin of birds wintering in Hong Kong
	Effects of light pollution on the behavior of urban wildlife (particularly bats and birds)
	Genetic analysis to determine geographic origin of introduced bird species in Hong Kong
	Microplastics in the foodchain (in collaboration with Dr Christelle Not in DES)
Dudgeon D	Benthic biodiversity and food-web structure in a periurban stream
El-Nezami H	Non alcoholic fatty liver disease a target for dietary intervention
Gaitan-Espitia J D	Seascape genetics in East Asia: Assessing the role of habitat loss, fragmentation, urbanization and connectivity on marine biodiversity. Target groups will be co-supervised by: Prof Gray A Williams (Intertidal molluscs); Dr David Baker (Corals); Dr Bayden Russell (Echinoderms and seaweeds); Dr Stefano Cannicci (Crabs); Dr V. ThiyagaRajan (Oysters)
	Ecological and evolutionary insights of predator-prey interactions (Project co-supervised with Dr Juan C. Astudillo)
	Physiological flexibility and thermal adaptation in highly fluctuating environments
	Wise Investing - Development, Growth and Reproduction: Exploring the energy allocation principle in a changing world
	You are not alone, you will never be. Origin and functions of meta-organisms
	Female choice: sexual selection and mating behavior of horseshoe crabs (Co-supervised with Dr Alice K. Y. Chan, Hong Kong Baptiste University)
Guenard B	Ecological impacts of invasive ants on arthropods and wildlife
	Diversity of ants in urban parks, is it just low and exotic?
	Ant-Hemipteran mutualism: its importance within Hong Kong habitats
	Ant-plant interactions, which benefits for the plants?
	Chemical warfare in ants: how a single Goliath deal with an army of David?
	Sociometry and morphometry of Asian ants
	Taxonomic revisions of Asian ants: describing the species.
	Island biogeography in Hong Kong ants
Habimana O	Characterizing the dynamic interactions of planktonic GFP-tagged <i>E. coli</i> cells and resident biofilms in ABR system
Lee Jetty C Y	Diet and changes in omega polyunsaturated fatty acid metabolism in diseased models
Lim B L	Application of fluorescence proteins in plant studies

Lo Clive S C	Molecular analysis of flavonoid biosynthesis in the grass family
Louie Jimmy C Y	The effect of chronic sucrose consumption at human relevant levels on body composition and metabolic health in mice
	Efficacy of plant-based functional food for protection against endothelial dysfunction
	Effect of a low glycaemic index diet on day-long glycaemia
	An audit of nutrition (mis)information presented in local print media
	An audit of the extent of junk food marketing in public places
Lui W Y	Unraveling the function of coxsackievirus and adenovirus receptor (CXADR) in testes using knockout mice models
Sin Simon Y W	Behavioural ecology of birds
	Genetic basis and evolution of animal coloration
	Phylogeography of avian species
	Host-pathogen co-evolution in avian/mammalian species
	Behaviour of animals in captivity: Implications in conservation-based breeding programmes
Sobko T	The impact of early environmental education on health of pre-schoolers
	Food, environment and health
	Sports nutrition: local green leafy vegetables and exercise
Vengatesen T	Seafood safety and climate change
Williams G A	Why hermit crabs stand? An investigation on the thermoregulatory function of standing behaviour in hermit crabs (Project co-supervised with Dr Hui Tin Yan Tommy)
	Obtaining water from sand: A comparative study on the ventral setal patch in Ocypodidae and Dotillidae (Project co-supervised with Dr Hui Tin Yan Tommy)
Wong A O L	Production of recombinant hormones of fish origin in E. coli and validation of their bioactivity in mammalian cell culture and fish models
Yasuhara M	Late Quaternary ostracode paleoecology in the Southern Ocean, or other oceans (e.g., Indonesian Throughflow regions, Nordic Seas, Sea of Japan, etc.)
	Tropical marine biodiversity research using modern and fossil ostracods
	Ordovician marine ostracod paleontology
	Other topics related to paleoecology, biodiversity, and taxonomy of marine ostracodes
Yip W K	Cyanide detoxification in relation to sulfur metabolism in plant tissue
Yuen Karen W Y	Cellular mechanisms in anoxia-induced suspended animation and recovery
	De novo centromere formation mechanisms