Participants of Undergraduate Research Fellowship (URFP) Programme

2022-23

Name	Curriculum	Year	Project Title of Project/ Directed Studies Course	Supervisor of Project/ Directed Studies Course	Project Title of Summer Research Internship	Internship Supervisor
Chan Xiao Jun*	BSc (4)	4	Development of a fire prediction tool based on spatio- temporal analysis by artificial intelligence	Dr Jin Wu, School of Biological Sciences		
Chow Cheuk Ying Tweety	BSc (4)	4	Modeling pathogenesis of craniofacial disorders using patient-specific urine-derived stem cells	Dr. Martin C H Cheung, School of Biomedical Sciences	Modeling pathogenesis of craniofacial disorders using patient-specific urine-derived stem cells	Dr. Martin C H Cheung, School of Biomedical Sciences
Djan Matthew	BSc (4)	4	Investigating the molecular mechanism underlying the FUT5 (Fucosyltransferase) regulation in ovarian cancer cells under ascitic fluid shear stress	Prof Alice S T Wong, School of Biological Sciences		
Kang Liang	BSc (4)	4	Investigating the Mechanisms of Gene Silencing and Nucleosome Assembly by Cryo-EM	Prof Eva Nogales, Department of Molecular and Cell Biology, University of California Berkeley	Investigating the Mechanisms of Gene Silencing and Nucleosome Assembly by Cryo-EM	Prof Eva Nogales, Department of Molecular and Cell Biology, University of California Berkeley
Lin Yen Hsu	BSc (4)	4	Design and Synthesis of Gold(I) Complexes with Thiophene-Based Alkynyl Ligands and Their Supramolecular Studies	Prof Vivian W W Yam, Department of Chemistry		
Liu Yiming	BSc (4)	4	Apply a new approach to cluster algebra	Prof Jianghua Lu, Department of Mathematics		
Pang Wing Kwan*	BSc(ActuarSc) (4)	4	Multi-task machine learning for joint diagnosis and prognosis of human cancers	Dr Lequan Yu, Department of Statistics & Actuarial Science	Dependence models in life contingencies	Prof K. C. Cheung, Department of Statistics & Actuarial Science
Wong Clara Shania	BSc (4)	4	Selection of DNA-encoded libraries against live cells	Prof Xiaoyu Li, Department of Chemistry		
Yun Ze	BSc (4)	4	Complex Geometric Approach on the Study of Elliptic Surfaces	Prof Ngaiming Mok, Department of Mathematics		
Zhang Hongzhuo	BSc (4)	4	Investigating Measles Virus DI-RNA as a Potential Vaccine Adjuvant	Prof Dong-Yan Jin, School of Biomedical Sciences	Investigating Measles Virus DI-RNA as a Potential Vaccine Adjuvant	Prof Dong-Yan Jin, School of Biomedical Sciences

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Cham Ki Ki	BSc (4)	4	Role of Parkin E3 ubiquitin ligase on Influenza A virus	Prof Dong-Yan Jin, School of Biomedical		
			protein PB1-F2-mediated innate immune signaling	Sciences		
Chan Chin Tung	BSc (4)	4	Adaptations of Desmos chinensis (Annonaceae) fruits for independent dispersal of seeds	Prof Richard Saunders, School of Biological Sciences		
Chan Ching Si	BSc (4)	4	Understanding the physiological, behavioral and molecular effects of antidepressant drugs on marine organisms	Dr Juan Diego Gaitán-Espitia, School of Biological Sciences		
Chan Pak Hop	BSc(ActuarSc) (4)	3	Limiting Properties of ERD"O S-RÉNYI Graphs	Prof Jeff J Yao, Department of Statistics & Actuarial Science	Limiting properties of Erdős-Rényi graphs	Prof Jeff J Yao, Department of Statistics & Actuarial Science
Garg Anahita	BSc (4)	4	Potential roles and interaction of antioxidants and omega fats in plants and humans	Dr Jetty C Y Lee & Dr Olivier Habimana, School of Biological Sciences		
Karim Kazi Neha	BSc (4)	4	Molecular cloning, tissue distribution and functional studies of phoenixin in fish model	Prof Anderson O L Wong, School of Biological Sciences		
Li Lok Ka	BSc (4)	4	Relationship between AMPK-dependent BDNF pathway and KLF15 on fatty acid oxidation in skeletal muscle	Sciences	Relationship between AMPK-dependent BDNF pathway and KLF15 on fatty acid oxidation in skeletal muscle	Dr Chi Bun Chan, School of Biological Sciences
Liu Xinqi	BSc (4)	4	The role of extracellular adenosine signaling on the immune microenvironment of HCC	Prof Jiandong Huang, School of Biomedical Sciences; Dr Carmen C L Wong, Department of Pathology		

Mia Md Bayezid	BSc (4)	4	1 0	Dr Gary Y W Chan, School of Biological	GEN1 in processing recombination and replication	Dr Gary Y W Chan, School of Biological
			intermediates	Sciences	intermediates	Sciences
Ouyang Xiangyu	BSc (4)	4	Localization of the FYVE Domains of Spire1 and Spire2	Prof Michael S Y Huen, School of	Localization of the FYVE Domains of Spire1 and	Prof Michael S Y Huen, School of
			Proteins at Microirradiation-induced DNA Damage Sites	Biomedical Sciences	Spire2 Proteins at Microirradiation-induced DNA	Biomedical Sciences
					Damage Sites	
Shah Aashana Chetan	BSc (4)	4	Quantifying the Metastatic Propensity of Cancer Cells that	Prof Alice S T Wong, School of Biological	Understanding the difference in gene expression that	Prof Alice S T Wong, School of
			Undergo Peritoneal Metastasis as a process	Sciences	underlies cancers that undergo peritoneal metastasis as	Biological Sciences
					a process	
Singhal Kush	BSc (4)	4	Frieze Patterns arising from Dynkin Diagrams	Prof Jianghua Lu, Department of		
				Mathematics		
Siu Tsz Ho *#	BSc (4)	4	Development of Chemiluminescent Probes for Detecting	Prof Dan Yang, Department of Chemistry	Development of Chemiluminescent Probes for	Prof Dan Yang, Department of Chemistry
			Reactive Oxygen Species		Detecting Reactive Oxygen Species	
Tan Tixuan	BSc (4)	3	Edge states in graphene nanoribbon	Prof Wang Yao, Department of Physics	Edge states in graphene nanoribbon	Prof Wang Yao, Department of Physics
Tang Tze Tung	BSc (4)	4	Characterisation of Mitochondrial Proteome Changes	Prof Dong-Yan Jin, School of Biomedical	Characterisation of Mitochondrial Proteome Changes	Prof Dong-Yan Jin, School of Biomedica
			during SARS-CoV-2 ORF9b Expression by Rapid	Sciences	during SARS-CoV-2 ORF9b Expression by Rapid	Sciences
			Immunopurification		Immunopurification	
Wang Zihan	BSc (4)	4	Planar Cell Polarity (PCP) is Unlikely Transduced	Prof Jiandong Huang, School of Biomedical	Planar Cell Polarity is Unlikely Transduced	Prof Jiandong Huang, School of
			Through Frizzled-Vangl Interaction	Sciences	Through Frizzled Vangl Trans interaction	Biomedical Sciences
Wong Kwan Yuen *	BSc (4)	4	Investigation of gold complexes as anti-cancer agent	Prof Chi Ming Che, Department of		
				Chemistry		
Xiang Jie	BSc (4)	4	Exploring environmental control of photosynthesis	Dr Jin Wu, School of Biological Sciences	Quantitative assessments of differential physiological trait acclimations	
			capacity between temperate deciduous and evergreen trees		of deciduous vs. evergreen trees across large environmental gradients in	
					the temperate regions through meta-analysis	
Xu Xinshu	BSc (4)	4	Characterization of sPDZD2-GPR161 interaction in the	Dr Kwok Ming Yao, School of Biomedical	Characterization of sPDZD2-GPR161 interaction in the	Dr Kwok Ming Yao, School of
			negative regulation of Hedgehog signaling	Sciences	negative regulation of Hedgehog signaling	Biomedical Sciences
Ying Yui Wang	BSc (4)	4		Dr Jed Oliver Kaplan, Department of Earth		
8				Sciences		
Zhang Jiahao	BSc (4)	4	Study of physics-informed deep neural networks in solving			
S	` ′		partial differential equations	Mathematics		
Zhang Maoqi	BSc (4)	4	Application of A Machine Learning Framework that	Dr Guanglian Li, Department of	Comparison of Numerical Methods of Computation of	Dr Guanglian Li, Department of
- •				Mathematics	Differential Equations	Mathematics

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				Studies Course		
Chan Alistair Kai Chak	BSc (4)	4	Combination therapy in nanoparticles encapsulating	Dr Aviva S F Chow, Department of		
			curcumin against Alzheimer's Disease	Pharmacology and Pharmacy; Dr Dong-Yan		
				Jin, School of Biomedical Sciences		
Chan Timothy	BSc (4)	3	Detecting alternative promoter usage in hepatocellular	Dr Joshua W K Ho, School of Biomedical		
			carcinoma and nasopharyngeal carcinoma using 5'-biased	Sciences		
			sequencing data			
Cheung Chin Shek	BSc (4)	4	Methods in the study of intestinal microbiota: in vitro	Dr Hani El-Nezami, School of Biological	Optimization and validation of cholesterol and	Dr Carlos Gomez Gallego, School of
			colon model and in vivo samples	Sciences	oxysterols measurement in HepG2 cells using LC-	Medicine, University of Eastern Finland
					MS/MS	
Du Zhixu	BSc (4)	4	Sign Language Recognition	Prof Michael K P Ng, Department of	Learning Invariant Information in Machine Learning	Prof Kangwook Lee, Department of
				Mathematics		Electrical and Computer Engineering,
						University of Wisconsin-Madison
Gupta Saumya	BSc (4)	4	Testing the effect of ocean acidification on the	Dr Bayden Russell, School of Biological		
			camouflaging behavior of sea urchin Salmacis sphaeroides	Sciences		
Kim Sehong	BSc (4)	4	Unravelling the Effect of Maph-1.3 on ALM Touch	Dr Chaogu Zheng, School of Biological	Homology-based search for microtubule associated	Dr Chaogu Zheng, School of Biological
			Receptor Neurons of Caenorhabditis elegans	Sciences	proteins in Caenorhabditis elegans	Sciences
Lai Wenjing	BSc (4)	4	Understanding the molecular mechanism of congenital	Dr Bo Gao, School of Biomedical Sciences		
			scoliosis			

Li Kam Yun	BSc (4)	4	Mesoporous chiral metal organic framework (CMOF) for heterogenous asymmetric photocatalyst		Mesoporous chiral metal organic framework (CMOF) for heterogenous asymmetric photocatalyst	Dr Jian He, Department of Chemistry
Li Pak Yi	BSc (4)	4	Exploring the methods of increasing the provably secure key rate in quantum cryptography	Prof Hoi Fung Chau, Department of Physics		
Lim Hui Yuan	BSc (4)	4	Modelling Alzheimer's and Parkinson's Disease in C. Elegans	Dr Chaogu Zheng, School of Biological Sciences		
Lou Yuchen*	BSc (4)	3	First order algorithms for optimization problems in data science		First Order Algorithms for Optimization and Zeroth- order Optimization	Prof Wotao Yin, Department of Mathematics, The University of California, Los Angeles
Szeto Dei Men*	BSc (4)	4	Investigating the role of DLC1-i1 and the molecular regulation of its expression in embryonic chick spinal motor neurons using CRISPR/Cas9 genome-editing approach	<u> </u>	Investigating the role of DLC1-i1 and the molecular regulation of its expression in embryonic chick spinal motor neurons using CRISPR/Cas9 genome-editing approach	Dr Martin C H Cheung, School of Biomedical Sciences
Tsang Hiu Yu	BSc (4)	4	Ectoparasites of bats in Hong Kong and specificity of host- parasite interaction	Dr Simon Y W Sin, School of Biological Sciences		
Yip Ka Hei Anson	BSc (4)	5	Assessing Functional Connectivity of Urban Green Spaces for Butterflies in Highly Urbanized Landscape	Dr Timothy C Bonebrake, School of Biological Sciences		
Zhang Xiaotian	BSc (4)	4	Identification and Characterization of Vangl2 Interactome Using Proximity-dependent Biotinylation	Dr Bo Gao, School of Biomedical Sciences	Identification and Characterization of Vangl2 Interactome Using Proximity-dependent Biotinylation	Dr Bo Gao, School of Biomedical Sciences
Zhang Zheng	BSc (4)	3	The impact of COVID-19 epidemic on the conservation status of pangolins	Dr Timothy C Bonebrake, School of Biological Sciences	A theoretical framework for wildlife consumption motivation studies	Dr Timothy C Bonebrake, School of Biological Sciences
Zheng Yahuan*#	BSc(ActuarSc) (4)	4	Parameter Estimation for Reflected Fractional Ornstein- Uhlenbeck Process	Prof Jeff Jianfeng Yao, Department of	On the Critical Behavior of Erdős–Rényi Random Graphs	Prof Jeff Jianfeng Yao, Department of Statistics & Actuarial Science

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ranic	Curriculum	Tear	Troject The of Project Directed Studies Course	Studies Course	1 Toject Title of Summer Research Internship	internsing supervisor
Chiu Pak Wing	BSc (4)	4	The transcriptional regulation of Irx3 and Irx5 in mouse inner ear	Prof Mai Har Sham, School of Biomedical Sciences		
Kong Wang Yeuk	BSc (4)	4	Asymmetric (4+3) cycloaddition of epoxy enol silane with dienes catalyzed by Chiral Binaphthyl Disulfonic Acid		Asymmetric (4+3) cycloaddition of epoxy enol silane with dienes catalyzed by Chiral Binaphthyl Disulfonic Acid and Derivatives	Prof Pauline Chiu, Department of Chemistry
Lam Si Yu	BSc (4)	4	Determination of Breeding Gounds of the Siberian Rubythroat and Yellow-Breasted Buntings with Stable Isotopes and Geolocator Tracking	Dr Timothy C Bonebrake & Dr Caroline Dingle, School of Biological Sciences		
Liang Shuang	BSc (4)	4	Algebraic and analytic methods on complex algebraic geometry	Prof Ngai Ming Mok, Department of Mathematics		
Sun Xianlin	BSc(ActuarSc) (4)	4	Bootstrap post-model selection inference under a general framework	Prof Stephen M S Lee, Department of Statistics & Actuarial Science		
Tang Xun	BSc (4)	3	Adaptive numerical methods for long-time integration and model reduction with applications in computing effective diffusivity and Anderson localization	Dr Zhiwen Zhang, Department of Mathematics	Demonstration of generic Quantum controllability under QAOA setting	Prof Lin Lin, Department of Mathematics University of California Berkeley
Tsang Kin Ming	BSc (4)	4	Representations of integers by mixed sums of weighted m- gonal numbers and squares	Dr Benjamin R Kane, Department of Mathematics		
Wong Yin Pok	BSc (4)	4	Synthesis of Luminescent Metal Complexes and their Functional Studies for Sensing	Prof Vivian W W Yam, Department of Chemistry	Coordination chemistry and photophysical characterization of lanthanide complexes	Dr Rebecca Abergel, Department of Nuclear Engineering, University of California Berkeley
Xu Hongting	BSc (4)	4	The Role of ISM1 in hematopoiesis	Prof Zhongjun Zhou, School of Biomedical Sciences		
Xu Wan	BSc (4)	4	Elucidating the Role of SOX10 in Neuroblastoma	Dr Martin C H Cheung, School of Biomedical Sciences		

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Gu Jiacheng	BSc(4)	4	Role of Long Non-coding RNAs in Cancer Stem Cells	Dr Jiangwen Zhang, School of Biological Sciences	Role of Phosphorylation of Ybx1 in the Translation Control of Maternal sqt RNA and Nodal Signaling Pathway in Zebrafish Embryogenesis	Prof Karuna Sampath, Warwick Medical School, The University of Warwick
Ho Sik Yin	BSc(4)	4	Use of CombiGEM-CRISPR in screening potential novel drug combinations for liver cancer	Dr Alan S L Wong, School of Biomedical Sciences		
Kwan Hiu Lam Rachel*#	BSc(4)	4	Role of TRPC1-induced Ca ²⁺ -signaling in neuromuscular synapse development	Dr Chi Wai Lee, School of Biomedical Sciences	Role of TRPC1-induced Ca ²⁺ -signaling in neuromuscular synapse development	Dr Chi Wai Lee, School of Biomedical Sciences
Lai Siu Lun Michael	BSc(4)	4	Using transparent brain to investigate spreading of neurodegeneration in Parkinson's disease	Dr Raymond C C Chang, School of Biomedical Sciences	Using neuronal tracing and passive transparent brain to visualize neuronal pathway	Dr Raymond C C Chang, School of Biomedical Sciences
Lee Tak Wang Terence	BSc(4)	4	IAV PB1-F2 cytotoxic sequence mediates NLRP3 inflammasome activation via oxidative stress induction	Prof Dong-Yan Jin, School of Biomedical Sciences	Influenza A virus PB1-F2 cytotoxic motif promotes self aggregation to elicit NLRP3 dependent IL-1 β release	Prof Dong-Yan Jin, School of Biomedical Sciences
Leung Tsz Kin Calvin	BSc(4)	4	Oviposition preference and thermal tolerance of stag beetles (Family: Lucanidae)	Dr Timothy C Bonebrake, School of Biological Sciences		
Leung Yee Man	BSc(4)	4	Chloroplast genomes comparison of mycoheterotrophic Exacum paucisquamum and autotrophic Exacum tetragonum	Prof Richard Saunders, School of Biological Sciences		
Shukla Yash Sanjaykumar	BSc(4)	4	Autonomously-produced synthetic push-pull motif	Dr Julian A Tanner, School of Biomedical Sciences	Autonomously-produced synthetic push-pull motif	Dr Thomas Ouldridge, Department of Bioengineering, Imperial College London
Wan Lok Yee	BSc(4)	4	Preparation of recombinant protein of adiponectin in E. coli and testing of its bioactivity in cell lines with adiponectin receptor expression and its potential effects on promoter activation of pituitary hormones	Prof Anderson O L Wong, School of Biological Sciences	Preparation of recombinant protein of adiponectin in E. coli and testing of its bioactivity in cell lines with adiponectin receptor expression and its potential effects on promoter activation of pituitary hormones	Prof Anderson O L Wong, School of Biological Sciences
Wang Chuwen	BSc(4)	4	Uniruled Projective varieties	Prof Ngai Ming Mok, Department of Mathematics		

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				Studies Course		
Chan Chun Ngai	BSc(4)	4	Holocene climate changes in marginal Asian monsoon	Dr Zhonghui Liu, Department of Earth	Field investigation of lake status in Inner Mongolia	Dr Zhonghui Liu, Department of Earth
			regions	Sciences		Sciences
Cheung Man Him	BSc(4)	4	Elicidating the role of Dlc1ß in motor neuron development	Dr Martin Cheung, School of Biomedical		
				Sciences		
Chu Ka Chi	BSc(4)	4	Investigation and Validation on Gene Expression During	Prof Kathryn S E Cheah, School of	Investigation and Validation on Gene Expression	Prof Kathryn S E Cheah, School of
			Development of nucleus Pulposus	Biomedical Sciences	During Development of Nucleus Pulposus - Hox Genes	Biomedical Sciences
					and Cell Surface Markers	
Ding Anyang	BSc(4)	4	Palaeobiogeographic Analysis of Coelurosaurian	Dr Michael D Pittman, Department of Earth		
			Evolution	Sciences		
Ling Yuet Fung	BSc(4)	4	Upper-ocean stratification in the polar North Atlantic and	Dr Benoit Thibodeau, Department of Earth	Upper-ocean stratification in the polar North Atlantic	Dr Benoit Thibodeau, Department of
			its impact on deep-water ventilation during past	Sciences	and its impact on deep-water ventilation during past	Earth Sciences
			interglacials		interglacials	
Man Pui Hei Marcus*#	BSc(4)	4	Modulation of the cGAS-STING pathway by MERS-CoV	Prof Dong-Yan Jin, School of Biomedical	Modulation of the cGAS-STING pathway by MERS-	Prof Dong-Yan Jin, School of Biomedical
				Sciences	CoV	Sciences
Ng John Joson Quimpo	BSc(4)	4	Syntthesis of fluorescent chemical probes for detection of	Dr Ho Yu Au-Yeung, Department of		
			superxide ions	Chemistry		
Poh Wei Church	BSc(4)	4	Design (modification), Synthesis, Characterization and	Prof Vivian W W Yam, Department of	Probing the Influence of the R-Zn-R Bond Angle in	Prof Ulrich Fekl, Department of Chemica
			Photophysical Study of Phosphorescent Organometallic	Chemistry	Dialkylzinc Complexes on the Lewis Acidity of the	and Physical Sciences, University of
			Complexes		Zinc Metal Centre and Implications for Zinc Activities	Toronto Mississauga
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Wang Jen-chieh	BSc(4)	4	Studies on the effects of stereochemistry on (4+3)	Prof Pauline Chiu, Department of Chemistry	Studies on the effect of stereochemistry on (4+3)	Prof Pauline Chiu, Department of
			cycloaddition to synthesize perhydroazulenes		cycloaddition to synthesize perhydroazulenes	Chemistry
			diastereoselectively			
Wang Jianian	BSc(4)	4	Discrete-time series analysis on nomadic migration of	Dr Guodong Li, Department of Statistics &		
			historical china	Actuarial Science		
Yan Junran	BSc(4)	4	Role of centromere and kinetochore proteins in anoxia-	Dr Karen W Y Yuen, School of Biological	The role of centromere, kinetochore and cell cycle	Dr Karen W Y Yuen, School of
			induced suspended animation and recovery in S. cerevisiae	Sciences	checkpoint proteins in anoxia-induced suspended	Biological Sciences
					animation and recovery in S. cerevisiae	
Zeng Ji	BSc(4)	3	L2 Estimates of d-bar Operator on Complex Manifolds	Prof Ngaiming Mok, Department of		
				Mathematics		
Zhou Ruiyi	BSc(4)	4	Adapting Scalable Correlated Electronic Structure Theory	Dr Jun Yang, Department of Chemistry	Adapting Scalable Correlated Electronic Structure	Prof Roberto Car, Department of
			to Born-Oppenheimer Molecular Dynamics Simulatios of		Theory to Born-Oppenheimer Molecular Dynamics	Chemistry, Princeton Institute for the
			Molecular Exited Electronic State		Simulations	Science and Technology of Materials

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Ho Julian Xi Wei	BSc(4)	5		Dr Wendy W Y Wong & Dr Kwok Ming Yao, School of Biomedical Sciences		
Ni Haozheng	BSc(4)	4	Bootstrap approximation in time series modeling	Dr Guodong Li, Department of Statistics & Actuarial Science		
Rabbani Mashiat*#	BSc(4)	4	Evaluating Nucleoside Analogs as Potential Anti-Cancer Drugs	Prof Alice S T Wong, School of Biological Sciences	Novel mechanisms for targeting Cancer Stem cells using nucleoside analogues and nanotechnology based drug delivery	Prof Peng Ling, Department of Chemical Biology, Centre National de la Recherche Scientifique (CNRS)
Tse Yuen Cheong	BSc(4)	4	Design and Synthesis of Luminescent Metal Complexes	Prof Vivian W W Yam, Department of Chemistry	Design, Synthesis and Photophysical Study of Cyclometallated N^C^N Alkynylplatinum(II) Complexes	Prof Vivian W W Yam, Department of Chemistry
Wong Thomas Hin Fung	BSc(4)	4	The Anticancer components from Hedyotis diffusa	Prof Chi Ming Che, Department of Chemistry		
Zhang Zhiqian	BSc(4)	4	CRISPR/Cas9 mediated isolation and genomic cloning of EBV strains from clinical EBV-infected cell samples	Prof Dong-Yan Jin, School of Biomedical Sciences		

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Fan Ruolin*	BSc(4)	4	Systemic exploration in the regulating network of hypertrophic-chondrocyte-to-osteoblast differentiation	Prof Kathryn S E Cheah, School of Biomedical Sciences		
Guo Fengyi	BSc(4)	4	Impacts of Urbanization on Spotted Dove Communication	Dr Timothy C Bonebrake, School of Biological Sciences & Dr Caroline E Dingle, Department of Earth Sciences		
Hassan Ayon Ahmed	BSc(4)	4	Determining the effect of shear stress on the adhesion of tumor cells in cancer metastasis	Prof Alice S T Wong, School of Biological Sciences		
Husain Abdullah	BSc(4)	4	Screening of G-protein-coupled receptors cDNA library for dimerization with Human Secretin Hormone Receptor	Prof Billy K C Chow, School of Biological Sciences		
Leung Yi Lok Enoch*#	BSc(4)	4	Reconstruction of mass dirtribution of galaxy cluster(s) via gravitational lensing	Dr Jeremy J L Lim, Department of Physics	Studying the UV luminosity functions of galaxies at high redshifts	Dr Jeremy J L Lim, Department of Physics
Liu Yangdongling	BSc(4)	4	Design, Synthesis and Photophysical Study of Luminescent Metal Complexes	Prof Vivian W W Yam, Department of Chemistry		

Luo Di	BSc(4)	4	New Time Evolution Methods for Matrix Product States	Prof Guanhua Chen, Department of	Investigation on Tensor Network Renormalization	Prof Garnet Kin-Lic Chan, Department of
			of Tensor Network in Quantum Calculation	Chemistry & Dr Shizhong Zhang,	Group	Chemistry, the Chan Group, Princeton
				Department of Physics	- · · · I	University
Sun Chenyue*	BSc(4)	4	Visible-light mediated synthesis of dihydrofuran	Prof Chi Ming Che, Department of	Red-light induced carbon disulfide release from a	Prof Peter C Ford, Department of
			derivatives with ruthenium photoredox catalysts	Chemistry	cobalt complex	Chemistry and Biochemistry, University
					•	of California, Santa Barbara, USA
Wen Boya*	BSc(4)	4	Fermat-type functional equations and binary form	Prof Tuen Wai Ng, Department of		
				Mathematics		
Wu Teng	BSc(3)	4	Exploring properties of Bayesian & Frequentist hybrid	Prof Stephen M S Lee, Department		
			confidence interval	of Statistics & Actuarial Science		
Xiong Lingyun*	BSc(4)	4	Funtional Role of hnRNP A1 on FOXM1 alternative	Dr Kin Hang Kok, School of Biomedical		
			splicing	Sciences		
Zhang Yongquan	BSc(4)	4	Complex Manifolds	Prof Ngaiming Mok, Department of	From Holomorphic Functions to Complex	Prof Ngaiming Mok, Department of
				Mathematics	Manifolds	Mathematics

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				Studies Course		
Cai Weixin*	BSc(3)	3	Buffered Autoregressive Model with Exogenous Variables	Dr Philip L H Yu, Department of Statistics	Semiparametric Heteroscedastic Modeling for	Dr Prabir Burman, University of
				& Actuarial Science	Seasonal Time Series	California, Davis
Chan Ho Wang*	BSc(3)	3	Anammox Bacteria in Animal System	Dr Jidong Gu, School of Biological	Molecular Diagnosis of Anammox Bacteria	Dr Jidong Gu, School of Biological
				Sciences		Sciences
Chan Hok Fung	BSc(3)	5	Physiologically - relevant doses of UVA exposure alters	Dr Jetty C Y Lee, School of Biological		
			human skin keratinocytes growth	Sciences		
Cheng Tsz Fung	BSc(3)	3	Roles of BART microRNAs in Epstein-Barr virus-induced	Prof Dong-Yan Jin, Department of	Roles of BART microRNAs in Epstein-Barr virus-	Prof Dong-Yan Jin, Department of
			epithelial transformation	Biochemistry	induced epithelial transformation	Biochemistry

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Li Yu	BSc(3)	2	Complex Differential Geometry	Prof N Mok, Department of Mathematics		
Pan Wenqi	BSc(3)	2	The role of Suppressor of fused in mouse hindbrain development		The role of Suppressor of fused in the formation of mouse cranial facial skeleton and outflow tract of embryonic heart	Prof C C Hui, University of Toronto
Sun Lianyi	BSc(ActuarSc)(3)	3	Analysis of large data sets: new tools from random matrix theory	Dr J F Yao, Department of Statistics & Actuarial Science		
Wong Mo Dick	BSc(ActuarSc)(3)	2	Markov chains on a continuous state space	Dr J F Yao, Department of Statistics & Actuarial Science	T. I.	Dr P Del Moral, INRIA-Bordeaux-Sud- Ouest Research Centre
Yang Shihao*	BSc(ActuarSc)(3)	2	Valuing contingent options: A discounted density approach	Dr H L Yang, Department of Statistics & Actuarial Science		

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				Studies Course		
Chai Wai Yeeng	BSc(3)	2	Do endocrine discrupting chemicals affect cancer?	Dr A S T Wong, School of Biological		
				Sciences		
Choi Chek Hin	BSc(ActuarSc)(3)	3	Introduction to the gerber-shiu function in ruin theory	Dr E K C Cheung, Department of Statistics	Optimal portfolio with correlation constraints	Dr C Bernard, University of Waterloo
				& Actuarial Science		
Chow Tai Cheong*	BSc(3)	2	Pax6 and neurodegeneration of Parkinson's disease	Dr Y Q Song, Department of Biochemistry	Neurodegeneration of parkinson's disease: the role	Dr Y Q Song, Department of
					of Pax6 in MPP+-induced apoptosis Parkinson's	Biochemistry
					disease in vitro model	

Lai Cheuk Hei	BSc(3)	1	Pathogenesis of influenza viruses	Dr Chan Wan Yi, Department of Pathology Dr Chan Chi Wai, School of Public Health		
Lam Chun Ming	BSc(3)	2	Light controllable kinesin		Meiotic spo11 recombination initiation complex in zea mays analysis using yeast two-hybrid system – cloning of spo11-1A, spo11-1B, and prd2	Dr Arnard Ronceret, University of California, Berkeley
Lau Wing Yan	BSc(3)	2	Molecular characterization of puerarin-protein interactions by proteomics and domain mapping	Dr J Rong, School of Chinese Medicine	Isolation of puerain binding protein by biotin- streptavidin system	Dr J Rong, School of Chinese Medicine
Li Yu Ting Stephen	BSc(3)	2	The role of cell-cell junction proteins and actin regulatory proteins on germ cell migration and development during spermatogenesis	Prof W W M Lee, School of Biological Sciences	Unraveling the role of actin regulatory proteins on cytoskeleton during spermatogenesis	Dr C Y Cheng, Rockefeller University
Lin Tsen-yuan	BSc(3)	2	Analysing Fermi's data	Prof K S Cheng, Department of Physics		
Ng Ngai Fung*	BSc(3)	2	Riemann surfaces and complex manifolds	Prof N Mok, Department of Mathematics	Studies on kahler manifolds	Prof N Mok, Department of Mathematics
Peng Jun	BSc(3)	1	Calculus of variation	Prof W S Cheung, Department of Mathematics		
Shen Keren	BSc(3)	2	The generalization of Gibbard-Satterthwaite theorem	Dr T W Ng, Department of Mathematics	One candidate voting with a quorum	Dr T W Ng, Department of Mathematics
Song Yifan	BSc(3)	2	Data analysis for Fermi Satellite	Prof K S Cheng, Department of Physics		
Tang Yunfan	BSc(ActuarSc)(3)	2	Option pricing under regime switching models	Prof H L Yang, Department of Statistics & Actuarial Science		
Tse Man Nok	BSc(3)	2	The roles of Lmxla gene in regulating Irx3/5 genes during inner ear development	Dr M H Sham, Department of Biochemistry	The roles of Lmx1a in regulating Irx3 and Irx5 genes in inner ear development	Dr M H Sham, Department of Biochemistry
Wan Ho Chi	BSc(ActuarSc)(3)	2	Dependance structures in multiple life insurances and annuities	Dr K C Cheung, Department of Statistics & Actuarial Science	A study in optimal reinsurance	Dr K C Cheung, Department of Statistics & Actuarial Science
Wong Kin Lam	BSc(3)	2	Modulation of secretin and secretin receptor gene regulations by NFAT5 in mouse hypothalamic cells	Prof K C Chow, School of Biological Sciences	The modulation of secretin receptor expression by hyperosmotic stress in mouse hypothalamic cells	Prof K C Chow, School of Biological Sciences
Wu Qihang*	BSc(3)	2	Tectonic evolution of the Chinese Altai	Prof M Sun, Department of Earth Sciences	A detailed structral study of Qiongkuer Region, China Altai: multiphase deformation and modification for terrane subdivision proposed	Prof M Sun, Department of Earth Sciences
Zheng Yao*	BSc(ActuarSc)(3)	3	Applications of nonlinear time series models	Prof W K Li, Department of Statistics & Actuarial Science	Applications of nonlinear time series models: fitting threshold models to veilleux's predator series	Prof W K Li, Department of Statistics & Actuarial Science

^{*}Excellence in Poster Presentation

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