

生物醫學暨環境生物學系108學年度第1學期四年級專題討論(Seminar)題目

學生姓名	篇名	第一作者	期刊名(刊登年代)
張筱君	Regulation of miR-34b/c-targeted gene expression program by SUMOylation	Yi-Jia Li	Nucleic Acids Research (2018)
	Topotecan is a potent inhibitor of SUMOylation in glioblastoma multiforme and alters both cellular replication and metabolic programming	Joshua D. Bernstock	Scientific Reports (2017)
楊凱翔	Metabolic cost of calcification in bivalve larvae under experimental ocean acidification	Christina A. Frieder	ICES Journal of Marine Science (2017)
	The effects of elevated CO2 on shell properties and susceptibility to predation in mussels <i>Mytilus edulis</i>	Daniel E. Sadler	Marine environmental research (2018)
陳以理	The EGFR T790M Mutation Is Acquired through AICDA-Mediated Deamination of 5-Methylcytosine following TKI Treatment in Lung Cancer	Najwa El Kadi1	Cancer research (2017)
	SFK FAK Signaling Attenuates Osimertinib Efficacy in Both Drug Sensitive and Drug Resistant Models of EGFR Mutant Lung Cancer	Eiki Ichihara1	Cancer research (2018)
洪子純	Edge, height and visibility effects on nest predation by birds and mammals in the Brazilian cerrado	Pavel Dodonov	Acta Oecologica (2017)
	Edge effect on bird nest predation in the fragmented calde'n ( <i>Prosopis caldenia</i> ) forest of central Argentina: an experimental analysis	Ramón Alberto Sosa	The Ecological Society of Japan (2017)
劉美含	Spatial memory is as important as weapon and body size for territorial ownership in a lekking hummingbird	Marcelo Araya-Salas	SCIENTIFIC REPORTS (2018)
	Environmental Influences on Neuromorphology in the Non-Native Starling <i>Sturnus vulgaris</i>	Adam P.A. Cardilini	Brain, Behavior and Evolution (2018)
卓晏廷	The Aβ protofibril selective antibody mAb158 prevents accumulation of Aβ in astrocytes and rescues neurons from Aβ-induced cell death	Sölvander, Sofia,	Journal of neuroinflammation (2018)
	Astrocytic LRP1 mediates brain Aβ clearance and impacts amyloid deposition.	Liu, Chia-Chen	Journal of Neuroscience (2017)
盧彥成	Ocean acidification increases cadmium accumulation in marine bivalves: a potential threat to seafood safety	Wei Shi	SCIENTIFIC REPORTS(2016)
	Seawater acidification aggravated cadmium toxicity in the oyster <i>Crassostrea gigas</i> : Metal bioaccumulation, subcellular distribution and multiple physiological responses	Ruiwen Cao	Science of the Environment(2018)
吳秉璵	PRL3-zumab as an immunotherapy to inhibit tumors expressing PRL3 oncoprotein	Thura, M	Nature Communications2019
	Chemotherapy induced PRL3 expression promotes cancer growth via plasma membrane remodeling and specific alterations of caveolae-associated signaling. Cell Commun Signal	J Csoboz, B	Cell Communication and Signaling2018
賴芷泠	SIRT3 deficiency promotes lung fibrosis by augmenting alveolar epithelial cell mitochondrial DNA damage and apoptosis	Renea P. Jablonski	The FASEB Journal (2017)
	SIRT3 blocks myofibroblast differentiation and pulmonary fibrosis by preventing mitochondrial DNA damage	Samik Bindu	American Journal of Physiology-Lung Cellular and Molecular Physiology (2016)
王佑寧	PERK induces resistance to cell death elicited by endoplasmic reticulum stress.	Iris C. Salaroglio	Molecular Cancer(2017)
	Regulation of PERK expression by FOXO3 a vulnerability of drug resistant cancer cells.	Glowi Alasiri	Oncogen (2019)
林泰言	Understanding the micro-elemental nutrition in the larval stage of marine fish: A multi-elemental stoichiometry approach	Wang J	Aquaculture
	Micro-elemental retention in rotifers and their trophic transfer to marine fish larvae: Influences of green algae enrichment	Wang J	Aquaculture
林宗穎	Kin selection and allocare in sperm whales	Christine M. Konrad	Behavioral Ecology (2018)
	Kinship and association do not explain vocal repertoire variation among individual sperm whales or social units	Christine M. Konrad	Animal Behaviour (2018)

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柯岱伶	Huddling is more important than rest site selection for thermoregulation in southern bamboo lemurs.	Timothy M. Eppley	Animal Behaviour(2017)
	Climatic, social and reproductive influences on behavioural thermoregulation in a female-dominated lemur	Timothy M. Eppley	Animal Behaviour(2017)
陳宇瑩	Helicobacter pylori infection promotes Aqp3 expression via the ROS-HIF-1 $\alpha$ -AQP3-ROS loop in stomach mucosa:a potential novel mechanism for cancer pathogenesis	Jianfei Wen	Oncogene (2018)
	Helicobacter pylori CagA promotes epithelial mesenchymal transition in gastric carcinogenesis via triggering oncogenic YAP pathway	Nianshuang Li	Journal of Experimental & Clinical Cancer Research (2018)
張碩真	Choice in a floral marketplace: the role of complexity in bumble bee decision-making	Matthew W	Behavioral Ecology(2018 )
	Influence of preexisting preference for color on sampling and tracking behavior in bumble bees	Gyanpriya Maharaj	Behavioral Ecology(2019 )
魏睿宇	Mithramycin A suppresses basal triple-negative breast cancer cell survival partially via downregulating Krüppel-like factor 5 transcription by Sp1	Rong Liu	SCIENTIFIC REPORTS (2018)
	Mithramycin A enhances tumor sensitivity to mitotic catastrophe resulting from DNA damage	Bradley T. Scroggins	Int J Radiat Oncol Biol Phy (2018)
魏秀軒	CHTM1, a novel metabolic marker deregulated in human malignancies.	Babbar M	Oncogene(2018)
	CHTM1 regulates cancer cell sensitivity to metabolic stress via p38-AIF1 pathway.	Babbar M	J Exp Clin Cancer Res (2019)
尤佳寧	Pollinator trapping in selfing carnivorous plants, Drosera makinoi and D. toyoakensis (Droseraceae)	Kazuki Tagawa	Ecological Research (2018)
	A sensitive flower: mechanical stimulation induces rapid flower closure in Drosera spp. (Droseraceae)	Kazuki Tagawa	Plant Species Biology(2018 )
蕭蕤君	BRASSINOSTEROID-SIGNALING KINASE 3, a plasma membrane-associated scaffold protein involved in early brassinosteroid signaling.	Hong Ren	PLoS genetics ( 2019 )
	Overexpression of the vascular brassinosteroid receptor BRL3 confers drought resistance without penalizing plant growth.	Norma Fàbregas	Nature Communications ( 2018 )
黃上哲	The influence of experience on contest assessment strategies	Irene Camerlink	SCIENTIFIC Reports (2017)
	Playful pigs: early life play-fighting experience influences later life contest dynamics	Jennifer E. Weller	Animal Behaviour(2019)
余家瑞	Exaggerated T Follicular Helper Cell Responses in LRBA Deficiency Due to Failure of CTLA4-Mediated Regulation	Fayhan J. Alroqi	J Allergy Clin Immunol(2019)
	Hijacking antibody-induced CTLA-4 lysosomal degradation for safer and more effective cancer immunotherapy	Yan Zhang	Cell Research(2019)
吳承宇	Genome-wide association study of an unusual dolphin mortality event reveals candidate genes for susceptibility and resistance to cetacean morbillivirus.	Kimberley C. Batley	Evolutionary Applications(2018)
	Applications of random forest feature selection for fine-scale genetic population assignment.	Emma V. A. Sylvester	Evolutionary Applications(2017)
張亭渝	High fat diet induces airway hyperresponsiveness in mice	Kathrin Fricke	Scientific Reports(2018)
	Caloric restriction prevents the development of airway hyperresponsiveness in mice on a hyperresponsiveness in mice on a high fat diet	Haris Younas	Scientific Reports(2019)
謝亦涵	Effect of commonly used pesticides in china on the mitochondria and ubiquitin-proteasome system in parkinson' s disease.	Tingting Chen	International Journal of Molecular Sciences(2017)
	The effects and rotenone on TH, BDNF and BDNF-related proteins in the brain and periphery: Relevance to early Parkinson' s disease.	Michaela E. Johnson	Journal of Chemical Neuroanatomy(2019)

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李若筠	Ipatasertib, a novel Akt inhibitor, induces transcription factor FoxO3a and NF-κB directly regulates PUMA-dependent apoptosis	Li Sun	Cell Death and Disease(2018)
	SIRT6, a novel direct transcriptional target of FoxO3a, mediates colon cancer therapy	Yingjie Zhang	Theranostics(2019)
李名謙	Radiosensitization by the ATR Inhibitor AZD6738 through Generation of Acentric Micronuclei	Magnus T. Dillon	American Association for Cancer Research (2017)
	Combined ATR and DNA-PK Inhibition Radiosensitizes Tumor Cells Independently of Their p53 Status	Hind Hafsi	Frontiers in Oncology (2018)
黃立淳	Mitosis perturbation by MASTL depletion impairs the viability of thyroid tumor cells	ElenaCetti	Cancer Letters (2019)
	MASTL overexpression promotes chromosome instability and metastasis in breast cancer	Samuel Rogers	Oncogene (2018)
陳緯綸	Metformin alters the gut microbiome of individuals with treatment-naive type 2 diabetes, contributing to the therapeutic effects of the drug	Hao Wu	nature medicine(2017)
	A purified membrane protein from Akkermansia muciniphila or the pasteurized bacterium improves metabolism in obese and diabetic mice	Hubert Plovier	nature medicine(2017)
陳柏安	Cancer stem cell self-renewal as a therapeutic target in human oral cancer	Jinwei Hu	Oncogene(2019)
	Enhancing the therapeutic effect via elimination of hepatocellular carcinoma stem cells using Bmi1 siRNA delivered by cationic cisplatin nanocapsules	Tan Yang	Nanomedicine: Nanotechnology, Biology, and Medicine(2018)
謝迅彥	Metabolic and neuroprotective effects of dapagliflozin and liraglutide in diabetic mice	Paul Millar	Journal of Endocrinology (2017)
	Role of liraglutide in brain repair promotion through Sirt1-mediated mitochondrial improvement in stroke	Weiliang He	J Cell Physiol (2019)
張瀚升	Combining 53BP1 with BRCA1 as a biomarker to predict the sensitivity of poly(ADP-ribose) polymerase(PARP) inhibitors	Zhong-min YANG	Acta Pharmacologica Sinica (2017)
	LMO2 Confers Synthetic Lethality to PARP Inhibition in DLBCL	Salma Parvin	Cancer Cell (2019)
高晟鈞	Biodegradation of the sulfonamide antibiotic sulfamethoxazole by sulfamethoxazole acclimatized cultures in microbial fuel cells	Waheed Miran	Science of the Total Environment (2018)
	Simultaneous electricity production and antibiotics removal by microbial fuel cells	Ying Zhou	Journal of Environmental Management (2017)
李子瑜	Sequential Blockade of PD-1 and PD-L1 Causes Fulminant Cardiotoxicity—From Case Report to Mouse Model Validation	Shin-Yi Liu	Cancers (2019)
	Overcoming resistance to anti-PD immunotherapy in a syngeneic mouse lung cancer model using locoregional virotherapy	Xiang Yan	ONCOIMMUNOLOGY (2018)
陳婷琇	Importance of a species' socioecology: Wolves outperform dogs in a conspecific cooperation task	Marshall-Pescini, S.	ONCOIMMUNOLOGY (2018)
	A task-experienced partner does not help dogs be as successful as wolves in a cooperative stringpulling task	Marshall-Pescini, S.	SCIENTIFIC REPORTS (2018)
陳品蕓	Proximal Tubule-Specific Deletion of the NHE3 (Na <sup>+</sup> /H <sup>+</sup> Exchanger 3) in the Kidney Attenuates Ang II (Angiotensin II)-Induced Hypertension in Mice	Xiao C. Li	Hypertension(2019)
	Proximal Tubule-Specific Deletion of the NHE3 (Na <sup>+</sup> /H <sup>+</sup> Exchanger 3) Promotes the Pressure-Natriuresis Response and Lowers Blood Pressure in Mice	Xiao C. Li	Hypertension(2018)
邱敬家	Curcumin protects against hypertension aggravated retinal ischemia/reperfusion in a rat stroke model	Saibin Wang	CLINICAL AND EXPERIMENTAL HYPERTENSION (2017)
	Curcumin prevents reperfusion injury following ischemic stroke in rats via inhibition of NF-κB, ICAM-1, MMP-9 and caspase-3 expression	Wei Li	MOLECULAR MEDICINE REPORTS (2017)

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黃玟淇	Risk assessment of methylmercury based on internal exposure and fish and seafood consumption estimates in Taiwanese children.	Shu Han You	International Journal of Hygiene and Environmental Health (2018)
	In vivo oral bioavailability of fish mercury and comparison with in vitro bioaccessibility.	Wanze Li	Science of the Total Environment (2019)
鄭雅婷	IL-25 blockade inhibits metastasis in breast cancer	Zhujun Jiang	Protein Cell(2018)
	Intestinal dysbacteriosis-induced IL-25 promotes development of HCC via alternative activation of macrophages in tumor microenvironment	Qiao li	Journal of Experimental & Clinical Cancer Research(2019)
陳品君	本學期末修		
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范桂慈	Pollinator mediated interactions between cultivated papaya and co-flowering plant species	Raúl Badillo-Montañ o	Ecology and Evolution(2018)
	Pollinator visitation to mass- flowering courgette and co-flowering wild flowers: Implications for pollination and bee conservation on farms	Jessica L. Knapp	Basic and Applied Ecology(2018)