

# 第 36 屆生化學會生醫年會線上壁報論文分組

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1		BC01	鄭宜欣	TAF2, a Subunit of General Transcription Factor II D, Controls Cell Proliferation Specifically Through Activating the Ribosomal Protein Genes
		BC02	楊雯婷	Centrosomal Glutamylation Recruits NEDD1- $\gamma$ -tubulin Complex to Ensure Its Functions
		BC03	范嘉榕	Nuclear Deformation is Driven by AKT2-mediated Lamin A Phosphorylation during Cancer Epithelial-to-mesenchymal Transition
		BC04	李啟恆	Crosstalk between CST and RPA regulates RAD51 activity during replication stress
		BC05	黃譯蔓	Rigidity-activated kinesin-1 promotes muscle regeneration
		BC06	丁歡愉	Characterize the Role of Phosphorylated- Apoptotic Proteins in Cellular Senescence
		BC07	張芊惠	Investigation of the Mechanisms for Novel SHQ1 Mutations in the Pathogenesis of Brain Developmental Disorder

	BC08	蘇家瑩	Mechanism and Modeling of Human Disease-Associated Intronic Variants that Perturb RNA Splicing
	BC09	邱雅貞 CHIU, YA- JEN	Neuroprotection of Flavone Compounds Quercetin and Apigenin Against A $\beta$ Toxicity via Inhibition of A $\beta$ Aggregation and Activation of TRKB Signaling in A $\beta$ -GFP SH-SY5Y Cells
	BC10	劉婕妤	Investigating neratinib-induced cholesterol biosynthesis as a resistance pathway for combinatorial therapy in breast cancer
	BC11	楊永泓	The Effects of Chinese Herbal Medicine, Guiluer-Xianjiao, on Cartilage Induced by Mesenchymal Stem Cells
	BC12	林顏修淇	A mitochondria-plasma membrane fusion machinery regulates mitochondrial ATP synthase translocation to the cell surface
	BC13	林心滢	Matriptase-2/NR4A3 axis switches TGF- $\beta$ action toward suppression on prostate cancer cell invasion, tumor growth and metastasis
	BC14	李明倫	ABRACL is Regulated by miR-145-5p and has a Role in Modulating Focal Adhesions in Lung Adenocarcinoma Cells
2	BC15	黃昭維	Effects of the Transcription Elongation Factor Spt4 on RNAP II Stalling and Genome Instability in Lengthy Tri-nucleotide Repeats
	BC16	洪振育	Adhesion-mediated nuclear deformability promotes cancer metastasis
	BC17	王奕勛	MAPK Hog1 regulates Arl1 activation at the late-Golgi via phosphorylation of Arf-GEF Syt1
	BC18	劉東璋	The crystal structures of APE1 binding with end-dsDNA complex reveals the mechanism of substrate selection
	BC19	何沛萱	Plasma Gelsolin Deficiency Promotes Cancer Progression and Fosters a Fibrotic Tumor Microenvironment

		BC20	郭靖	Ankyrin domain-containing protein 13A is a Mitophagy Factor for Parkin-mediated Mitophagy
		BC21	顧家綸	Investigate the Biochemical Activities of RAD51 Paralogs in Reversed Fork Dynamics
		BC22	馮香菩	Post Translational Modifications Regulates the Nucleocytoplasmic Distribution and Oncogenic Function of KPNA2 in Non-Small Cell Lung Cancer
		BC23	鍾佳宸	Investigating the regulatory mechanism of mitochondrial dynamics by serpinB2/TGM2 during senescence
		BC24	Rakesh Kulkarni	FAM21 is critical for TLR2/CLEC4E-mediated Dendritic cell function against Candida albicans Infection
		BC25	林采諭	Molecular mechanism of novel FOXP1 variants in causing cortical malformations
		BC26	王瑞嘉	The role of TET2-mediated m5C RNA demethylation in iPSCs-derived cardiomyocytes after SARS-CoV-2 infection
		BC27	潘致愷	ICAM2 Mediate the Specificity of Leptomeningeal Carcinomatosis in Triple-Negative Breast Cancer (TNBC)
		BC28	劉易姍	IL6/JAK2 signal promotes PD-1 phosphorylation and protein stability to drive T cell exhaustion and immunosuppressive tumor microenvironment
3	取消	BC29	林昕儀 Xin-Yi Lin	A specific HDAC8 inhibitor combines with temozolomide: novel promising therapeutics for targeting human colon colorectal cancer
		BC30	邱婉筠	Glucose Starvation-Induced Arf-GAP Gcs1 Phosphorylation Attenuates The Effect on GTP-hydrolysis by Arl1 Small GTPase
		BC31	Maria Angelina Sitorus	Artemisia argyi promotes Tid1 expression and mitochondrial stability in Warthon's jelly derived mesenchymal stem cells against hypoxia induced cardiac hypertrophy and apoptosis in H9c2
		BC32	Hema Sri	Inhibition of CTDSPL by Mir-100-5p enhances cell cycle-mediated chemoresistance in oxaliplatin-

		Devi	resistant in colorectal cancer
	BC33	林均澧	PCTK1 Regulates Secretory Pathway in NSCLC Cell Lines
	BC34	黃翊雯	Influences of NS2 on Influenza A Viral Production via Its Ubiquitination
	BC35	蔡翔勝	NS protects degradation of nascent DNA at stalled forks
	BC36	林志信	Virtual Screening and Testing of GSK-3 Kinase Inhibitors Using Human SH-SY5Y Neuronal Cells Expressing Tau Folding Reporter and Mouse Hippocampal Primary Neuron Culture Under Tau Cytotoxicity
	BC37	賴俊霖	Transcriptional Activation of Keratin 14 in Metastatic Head and Neck Cancer Cell
	BC38	許少凡 SHAO-FAN HSU	Study of Small Molecules That Induce Autophagic Degradation of Expanded PolyQ Protein Through Interaction with Both Mutant ATXN3 and LC3
	BC39	張羽萱	The protective effect of probiotics on semi-transected spinal cord injury in rats
	BC40	翁鈺達	Using Neuroblastoma SH-SY5Y Cells Expressing Pro-aggregant $\Delta$ K280 TauRD-DsRed Folding Reporter to Screen TRKB Agonists as Alzheimer's Disease Treatment Strategy
	BC41	蔡佩娟	Functional characterization of yeast golgin Imh1 in vesicle trafficking
	BC42	林德嫻	Virtual Screening and Molecular Modeling to Develop Potential Small Molecule TRKB Agonists and Testing in Tau/Ab Folding Reporter Cells
4	BC43	陳瀚翔	Identification of Antiviral Carbon Quantum Dots Targeting the Japanese Encephalitis Virus Envelope Protein
	BC44	王茜淳	Tunneling Nanotube-mediated Intercellular Transfer Rescues Neuroblastoma Cells from Hypoxic Stress
	BC45	蔣宛諭	Characterization of N-cadherin in 3D-microenvironment during cancer metastasis
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			Uncoupling Protein 1 (UCP1) that Increase Energy Expenditure
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	BC50	黃冠偉	Allosteric Inhibition mechanism of PCMPS and PCMB on Lassa Fever Virus NP exonuclease
	BC51	陳奕廷 Yi-Ting Chen	A group of plasma protein biomarkers display great sensitivity in detection of early-stage colorectal carcinoma
	BC52	張惠宣	SIRT6 tagSNP rs352493 variant show differential protection effects on cardiomyocyte apoptosis upon doxorubicin treatment.
	BC53	陳隆彰	The function of Fragile X-related proteins in mitochondrial quality control
	BC54	王博文	The Role of TRIM37 in Mitosis Regulation
	BC55	林頁彤 yeh-tung lin	Investigation on the Molecular Interaction of TDP-43 and Amyloid- $\beta$ in Alzheimer's disease
	BC56	陳昭翰	Explore the mechanism of dapagliflozin to ameliorate the damage of cardiomyocytes under high concentration of Glucose.
5	BC57	王鳳雍 Feng-Yung Wang	The role of autophagy genes in the regulation of lipid homeostasis in <i>C. elegans</i>
	BC58	邱紹喻	The Role of Aromatic Residues in the Substrate Binding of 4-hydroxyphenylpyruvate dioxygenase
	BC59	蕭靜宜	Functional Dissection of Human DCP1 in mRNA Decapping Process
	BC60	楊冊妮	To investigate the influence on matriptase and prostasin in chronic diabetic foot ulcers under the treatment of ON101

		BC61	王裕先	Characterizing the interaction between ALG-2-interacting protein X and galectin-3 in promoting HIV-1 budding
		BC62	關瑩	Studying the inhibition mechanism of disulfiram against coronavirus main protease
		BC63	陳昱綦	Roles of The Conserved Traits in Proteins' Intrinsically Disordered Regions: Using Galectin-3 As an Example
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		BC66	周運浩	Characterizing the pH-Dependent Stability of 3 $\alpha$ -Hydroxysteroid Dehydrogenase/Carbonyl Reductase from <i>Comamonas testosteroni</i>
		BC67	簡郁心	Effect of Angiotensin II and Niclosamide on Human Lung Cancer Cells
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		BC69	何玟霖	Characterizing the Intrinsically Disordered Regions in RNA-binding Proteins by Evolutionary Analysis and Machine Learning
		BC70	邱詩惠	Characterizing the Biophysical Properties of Intrinsically Disordered Regions of Musashi Family Proteins
6		BC71	陳葆光	The Role of Slm Proteins in TORC2 Signaling in <i>Saccharomyces cerevisiae</i>
		BC72	黃曾絃宇	Identification of the novel EHD1/4-binding motif of Phostensin
		BC73	邱鈺庭	Characterization of NMIIA in pancreatic cancer
		BC74	曾敏	Phase separation-mediated clustering controls the self-organization of non-muscle myosin IIA
		BC75	黃唯峻	Glycosylated fibronectin promotes wound healing in mice

	BC76	林佳儀 Chia-I Lin	Using the N-terminal domain of Galectin-3 as a model system to study the liquid-liquid phase separation mechanism
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	BC79	陳隆傑	Improving the Reproducibility, Accuracy, and Stability of an Electrochemical Biosensor Platform for Point-of-care Use
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	BC81	吳羽佳	Gene set correlation enrichment analysis for interpreting and annotating gene expression profiles
	BC82	曾靖棻	Salt-inducible Kinase 3 (SIK3) May Acts as A Potential Biomarker in Preeclampsia
	BC83	黃靜柔	The synergetic liquid-liquid phase separation between TDP-43 and Galectin-3
	BC84	張凱傑	Targeting afatinib-induced transcriptional responses to inform combination therapies for lung cancer
7	BC85	劉采蓉	Functional Characterization of Small GTPase Arl4D and Its Interacting Protein Rab GTPase Activating Protein TBC1D15 at the Mitochondria
	BC86	林晉宇	Molecular mechanism of Gboxin for the improvement in drug resistance of human gliomas
	BC87	莊郁婷	Licochalcone A Regulates IRES Activity To Inhibit Enteroviruses Replication
	BC88	林育賢	TNF- $\alpha$ Regulates Transcriptional and Posttranslational Expressions of EZH2 in Human Dermal Fibroblasts
	BC89	黃振育	Identification of host protein changes in HCoV-229E-infected cells for the development of cross-genus anti-coronavirus therapies
	BC90	DI NGOC	Investigating The Impacts of Epstein-Barr Virus Tegument Proteins on Human Host Cells

		KHA VO, HA PHAN THANH HO	
	BC91	陳鈺璇	Lipase Immobilized PTFE Membrane in MBR System for Wastewater Treatment
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	BC93	Md. Nazmul Islam	Extraction of Artemisia argyi improves cardiac function alleviating drp1 mediated mitochondrial dysfunction in H9c2 cells with doxorubicin induced cardiomyopathy through IGF-IIR signaling pathways.
	BC94	陳昱璇	Study on the effect of statins on head and neck carcinoma cells and its mechanism
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	BC96	王思婷	Honokiol targeting AhR/CXCR7 axis blocked epithelial-mesenchymal plasticity and metastatic dissemination in gastric cancer
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8	BC99	孫永宸	Characterizing Self-association and Liquid-liquid Phase Separation Mechanism of Galectin-3
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	BC101	林佳葉 Chia-Yeh	Chromatin state transition underlies the temporal changes in gene expression during cardiomyocyte maturation

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	BC102	蔡佩親	Investigation of the relationship between Glycated Albumin and Glutamic-pyruvic transaminase
	BC103	林綺意	Investigation the Levels of Uric Acid in Patients with Hepatitis
	BC104	徐文通 WEN- TUNG HSU	Differential Levels of Glycated Hemoglobin A1c in Patients with Viral and non-Viral Hepatitis
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	BC108	黃俐璇	Exogenous hydrogen peroxide attenuates drought stress by alleviating cellular oxidative damage in mung bean
	BC109	易祐萱	Hydrogen peroxide repeated treatment induces stress memory and alleviates injury of mung bean seedling upon cold
	BC110	關政平	Identification of Three Tospoviruses using hybridization probes
	BC111	黃聖傑	Impute SNP Data using Generative Adversarial Network
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9	BC113	杜詩雯	Mitogen Activated protein kinase dependent signal pathways augmenting myokines production in TNF-alpha and IFN-gamma induced inflamed skeletal muscle cells
	BC114	賴宗聖	Decrease in Nitric oxide and metabolic alteration result in activation of tissue transglutaminase during uremic toxin induced endothelial injury

		BC115	廖庭緯	Investigating the Mechanism of Social Learning and Isolation-induced Depressive-like Behaviors
		BC116	蔡帛蓉 Po- Jung Tsai	Wild Bitter Melon Leaf Extract Ameliorates Dextran Sulfate Sodium-Induced Chronic Colitis in Mice via Intestinal Barrier Improvement and Inflammatory Cytokine Reduction
		BC117	周王漢	The ORF8 Protein of SARS-CoV-2 Modulates the Spike Protein and Its Implications in Viral Transmission and Revolution
		BC118	吳景韻	Exploring the synergistic triple-negative breast cancer therapy by dual inhibition of HDAC and tyrosine kinase
		BC119	黃惠蘭	Antiproliferation Activity by Essential Oil from Functional Food Turmeric in Human Leukemia
		BC120	曾翠華 Tsui-Hwa Tseng	Antitumor Progression Potential of Moniliformediquinone, a Dendrobium Phenanthrenequinone, in MDA-MB-231 breast cancer cells
		BC121	張雲菁	Cam B Suppresses Growth and Migration of Human Hepatocellular Carcinoma Cells by Regulation of miR-101
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		BC124	張妣韡	Novel Anticancer Peptides Induce Necroptosis of Gastric Cancer Cell Line AGS through Membranolytic Effects and Their Therapeutic Efficacy in Combination with Chemotherapeutic Drugs
		BC125	林怡安	Investigation of the clinical significance, biological functional and underlying molecular mechanisms of ESM1 expression in human cervical carcinoma.
		BC126	樊琳	From lab bench to commercial products
10 不到		BC127	賴駿琦	A SNARE-Like Protein Sft2 Acts as a Downstream of Golgin Imh1 to Mediate SNAREs Recycling Transport upon ER Stress

場	BC128	黃筠珈	Investigation of the Interaction Mechanism Between CEP164 and TTBK2
	BC129	林怡璇 Yi-Hsuan Lin	PCMI-mediated GABARAP degradation is necessary for ER stress-induced autophagy.
	BC130	王薪雅	Exploring The Role of TMEM65 in Cilia Formation and Tumorigenesis
	BC131	陳佑德	Investigation of pericyte recruitment induced by SIRT 1 activation in different sex hormones
	BC132	蘇素宜	Improvement of wound healing by capsaicin and its correlation to senescence
	BC133	鄭若涵	To investigate the effects of matriptase, prostaticin and their inhibitory proteins on gastric cancer progression from clinical specimens and culture cells.
	BC134	張方馨	Repeated hydrogen peroxide treatment could elevate the chilling tolerance and induce stress memory in mung bean seedling
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	BC138	陳佳穎	The novel piperazine thiourea derivative with DNA binding affinity induces MAPK mediated mitochondrial apoptosis in colorectal cancer cells.
	BC139	林秀芳	Determine the Bacillus subtilis and Bacillus licheniformis thermophilic lipase-induced ability to destroy Enterococcus faecalis biofilm
	BC140	賴昱涵	The Molecular Epidemiology of Invasive Salmonella enterica at Chang Gung Memorial Hospital, Jan to Dec 2020
	BC141	楊曉媛	Multilocus Sequence Typing (MLST) of Clinical CRAB/MDRAB Isolates from CGMH, 2018-2020
BC142	賴運迪	A Novel Function of Centrosomal CEP89 in Promoting Cancer Proliferation	

	BC143	鄭宇雯	TTBK2 Promotes the Formation of SHH-type Medulloblastoma
	BC144	伊金泉 Chin-Chuan Yi	Application of agricultural waste rice straw isolation of lovastatin
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	BC146	楊聿荃	Investigating Molecular Mechanisms of GLP-1 RA Liraglutide Protects against Glucolipototoxicity-Induced Diabetic Retinopathy
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	BC149	陳晴雲	Synthesis of Momordicin 1-Glycosides as Potential Inhibitors of SARS-CoV-2 Main Protease (Mpro)
	BC150	高思芸	Bioflavonoid Rutin Delays Drought-Induced leaf Senescence via Modulation of signal component generation, antioxidant activity level and senescence-associated gene expression in Sweet Potato
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		BC157	蔡孟庭	Novel nanocarriers combined with radioimmunotherapy for brain cancer treatment
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