

105 學年度第 2 學期大學部書報討論 A 組名單

指導教授：應靜雯教授(主持人)、黃顯宗教授、林俊銘教授、楊鉅文教授

上課地點：H211 教室

報告日期	微生物領域	學號	姓名	指導教授	報告文章
106.03.07		02134004	趙育群	楊鉅文	Miaomiao Shi, Fen Wan, Yinting Mao&Haichun Gao, 2015, Unraveling the Mechanism for the Viability Deficiency of <i>Shewanella oneidensis</i> oxyR Null Mutant, American Society for Microbiology, 197, 2179-2189
106.03.07		02134008	林璟衡	應靜雯	Fei Yan, Jiuxia Pang, Yong Peng, Julian R. Molina, Ping Yang, Shujun Liu, September 9, 2016, Elevated Cellular PD1/PD-L1 Expression Confers Acquired Resistance to Cisplatin in Small Cell Lung Cancer Cells, PLoS ONE 11(9):e0162925. doi:10.1371/journal.pone.0162925
106.03.14	Y	02134014	張維哲	楊鉅文	Li Ma, a Yongjun Gao, b Anthony W. Maressoa, December 2015, Escherichia coli Free Radical-Based Killing Mechanism Driven by a Unique Combination of Iron Restriction and Certain Antibiotics Volume 197 Number 23 American Society for Microbiology 3708-3719
106.03.14		02134017	陳蓉安	林俊銘	Mengjiao Guo, Guanggen Hao, Baohua Wang, Ning Li, Rong Li, Liangmeng Wei, and Tongjie Chai, 2016 Dec 8, Dietary Administration of Bacillus subtilis Enhances Growth Performance, Immune Response and Disease Resistance in Cherry Valley Ducks, Front Microbiol, doi: 10.3389/fmicb.2016.01975
106.03.21		02134049	陳美均	楊鉅文	Yimin Xiao, Xiaofei Zhang, Shihao Fan, Guanghao Cui, Zhenya Shen, December 16, 2016, MicroRNA-497 Inhibits Cardiac Hypertrophy by Targeting Sirt4, PLoS ONE 11(12):e0168078. doi:10.1371/journal.pone.0168078
106.03.21	Y	02134049	喬立綱	黃顯宗	<i>Pseudomonas putida</i> mt-2 tolerates reactive oxygen species generated during matrix stress by inducing a major oxidative defense response Svenningsen et al. BMC Microbiology (2015) 15:202 DOI 10.1186/s12866-015-0542-1
106.03.28		02134018	鍾宜霖 預講及報告錄影	林俊銘	Hossain GS, Yuan H, Li J, Shin H, Wang M, Du G, Chen J, Liu L. 2017. Metabolic engineering of <i>Raoultella ornithinolytica</i> BF60 for production of 2,5-furandicarboxylic acid from 5-hydroxymethylfurfural. Appl Environ Microbiol 83:e02312-16.
106.03.28	Y	02134045	王珣	應靜雯	Mario Juhas*, Christine Wong, James W. Ajioka*, October 31, 2016, Combining Genes from Multiple Phages for Improved Cell Lysis and DNA Transfer from <i>Escherichia coli</i> to <i>Bacillus subtilis</i> , PLoS ONE 11(10): e0165778. doi:10.1371/journal.pone.0165778, p.1~p.15"
106.04.11	Y	01134046	陳品儒	林俊銘	Manalee Vishnu Surve, Anjali Anil, Kshama Ganesh Kamath, Smita Bhutda, Lakshmi Kavitha Sthanam, Arpan Pradhan, Rohit Srivastava, Bhakti Basu, Suryendu Dutta, Shamik Sen, Deepak Modi, Anirban Banerjee, September 1, 2016, Membrane Vesicles of Group B Streptococcus Disrupt Feto-Maternal Barrier Leading to Preterm Birth, PLoS Pathog 12(9): e1005816. doi: 10.1371/journal.ppat. 1005816
106.04.11	Y	02134071	余耀恆	黃顯宗	Goeser L, Fan T-J, Tchaptchet S, Stasulli N, Goldman WE, Sartor RB, March 23, 2015, Small Heat-Shock Proteins, IbpAB, Protect Non-pathogenic <i>Escherichia coli</i> from Killing by Macrophage-Derived Reactive Oxygen Species, PLoS ONE 10(3): e0120249. doi:10.1371/journal.pone.0120249, P.11-P.13
106.04.18		02134072	顏昭邦	黃顯宗	The roles of peroxide protective regulons in protecting <i>Xanthomonas campestris</i> pv. <i>Campestris</i> from sodium

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					hypochlorite stress, Canadian Journal of Microbiology, 2015, 61(5): 343-350
106.04.18		02134056	涂千文	應靜雯	Chen Qiong Xie, Ping Zhou, Jian Zuo, Xiang Li, Yong Chen, and Jian Wei Chen, 2016 Nov, Triptolide exerts pro-apoptotic and cell cycle arrest activity on drug-resistant human lung cancer A549/Taxol cells via modulation of MAPK and PI3K/Akt signaling pathways, ONCOLOGY LETTERS, 12(5): 3586 - 3590.
106.04.25	Y	02134022	李丹心	林俊銘	Mara Baldry, Martin S. Bojer, Yu Zhao, Cathrine Friberg, Dan Ifrah, Nina Glasser Heede, Thomas O. Larsen, Hanne Froiaer, Dorte Frees, Lixin Zhang, Huamqin Dai, Hanne Ingmer, December 22, 2016, Norlichexanthone Reduces Virulence Gene Expression and Biofilm Formation in Staptlococcus aureus. PLoS One /DOI:10.1371/journal.pone.0168305
106.04.25		02134001	杜秉勳	楊鉅文	Xin-Lei Gao, Ming-Fei Shao, Yi-Sheng Xu, Yi Luo, Kai Zhang, Feng Ouyang, Ji Li, December 01, 2016, Non-selective Separation of Bacterial Cell with Magnetic Nanoparticles Facilitated by Varying Surface Charge, frontiers in Microbiology, 7, 1-10
106.05.02		02134082	楊惠雯	應靜雯	Patrick M. Schaefer, Bjoern von Einem, Paul Walther, Enri Calzia, Christine A. F. von Arnim, December 22, 2016, Metabolic Characterization of Intact Cells Reveals Intracellular Amyloid Beta but Not Its Precursor Protein to Reduce Mitochondrial Respiration, PLOS ONE, DOI:10.1371/journal.pone.0168157
106.05.02	Y	02134084	簡廷宇	黃顯宗	Genfu Wu, Fen Wan, Huihui Fu, Ning Li, Haichun Gao, August 25 2015, A Matter of Timing: Contrasting Effects of Hydrogen Sulfide on Oxidative Stress Response in Shewanella oneidensis, Journal of Bacteriology 197:3563-3572. doi:10.1128/JB.00603-15.

1. 請隨時注意學術演講或活動公告，各次學術演講或指定活動皆列入出席次數計算。
2. 摘要及投影片檔案請於上台報告當天交給鍾宜霖同學。
3. 106.05.02 上課前發出課後問卷，請同學於休息時間填寫，第二堂下課時交回。(鍾宜霖同學)

105-2 學年度大學部論文競賽時程表 (修讀論文三同學)

日期	時間	說明
106.02.21	9:00	M308 助教辦公室抽籤，決定報告組別及順序。
106.05.16	12:00	繳交論文摘要一份
106.05.23	08:10~10:00 13:30~15:20	論文口頭報告
106.05.31	12:00	繳交裝訂成冊之畢業論文
106.05.31	12:00	指導教授提交論文成績
106.06.13	08:10~10:00	大學部論文競賽第二階段壁報發表

105 學年度第 2 學期大學部書報討論 B 組名單

指導教授：曾惠中教授(主持人)、趙維良教授、劉佩珊教授、李重義副教授

上課地點：H110 教室

報告日期	微生物領域	學號	姓名	指導教授	報告文章
106.03.07		02134030	何慧璇	劉佩珊	Renyuan Chang,Ru Zhou,Xue Qi,Jing Wang,Fan Wu,Wenli Yang,Wannian Zhang,Tao Sun,Yuaxiang Li,Jianqiang Yu,6 January 2016,Protective effects of aloin on oxygen and glucose deprivation-induced injury in PC12 cells,ELSEVIER,Brain Research Bulletin 121(2016)75-83
106.03.07		02134006	蘇紹傑	李重義	Hui Luo1, Dafeng Zhou1, Xiaohui Liu1, Zhihua Nie, Diego Leandro Quiroga-Sánchez1, Yanhong Chang,May 26, 2016,Production of 3-Hydroxypropionic Acid via the Propionyl-CoA Pathway Using Recombinant Escherichia coli Strains,PLoS ONE 11(5): e0156286. doi:10.1371/journal.pone.0156286
106.03.14		02134033	簡韻婕	劉佩珊	Huang X1, Tang G, Liao Y, Zhuang X, Dong X, Liu H, Huang XJ, Ye WC, Wang Y, Shi L.7-(4-Hydroxyphenyl)-1-phenyl-4E-hepten-3-one, a Diarylheptanoid from Alpinia officinarum, Protects Neurons against Amyloid- β Induced Toxicity.Biol Pharm Bull. 2016 Dec 1;39(12):1961-1967. Epub 2016 Sep 8.
106.03.14		02134039	何佳澤	曾惠中	Liangyou Zhao,Xueli Gao,Chaonan Liu,Xiaoping Lv,Nan Jiang,Shimin Zheng;14 December,2016 ; Deletion of the vacJ gene affects the biology and virulence in Haemophilus parasuis serovar 5 ; Gene 603 (2017) 42-53
106.03.21	Y	02134012	蔡學宗	李重義	Kentaro Oyama,Miki Kawada-Mastsuo,Yuichi Oogai,Tetsuya Hayashi,Norifumi Nakamura,Hitoshi Komatsuzawa ; November 07,2016 ; Antibacterial Effects of Glycyrrhetic Acid and Its Derivatives on Staphylococcus aureus ; PLoS ONE11(11):e0165831.doi:10.1371/journal.
106.03.21	Y	02134035	陳欣妤 預講及報告錄影	趙維良	Biodegradation of Polycyclic Aromatic Hydrocarbons in Mangrove Sediments Under Different Strategies: Natural Attenuation, Biostimulation, and Bioaugmentation with Rhodococcus erythropolis T902.1 ,Firmin Semboung Lang & Jacqueline Destain & Frank Delvigne & Philippe Druart & Marc Ongena & Philippe Thonart ,Water Air Soil Pollut (2016) 227: 297 DOI 10.1007/s11270-016-2999-4
106.03.28	Y	02134027	黃鴻鈞	曾惠中	Zhijia Fang, Zhongxiang Chen, Song Wang, Ping Shi, Yuhu Shen, Youshang Zhang, Junhua Xiao, Zhiwei Huang; 28 October, 2016 ;Overexpression of OLE1 Enhances Cytoplasmic Membrane Stability and Confers Resistance to Cadmium in Saccharomyces cerevisiae.Applied and Environmental Microbiology , doi: 10.1128/AEM.02319-16
106.03.28	Y	02134051	林凱一	趙維良	Sonali Chaturvedi 1, Jang-KyunSeo 2, A.L.N.Raon.1 April 2016. Functionality of hostproteins in Cucumber mosaicvirus replication: GAPDH is obligatory to promote interaction between replication-associated proteins. Virology 494(2016)47 – 55
106.04.11	Y	01123015	許汶而	李重義	Iria Villar, David Alves, Josefina Garrido, Salustiano Mato ; 25 May 2016 ; Evolution of microbial dynamics during the maturation phase of the composting of different types of waste ; Waste Management 54 (2016)83-92
106.04.11		02134023	曹駿宏	劉佩珊	Junrong Zhang , Shengshu An , Wenji Hu, Meiyu Teng, Xue Wang, Yidi Qu, Yang Liu, Ye Yuan and Di Wang,20 October 2016,The Neuroprotective Properties of Hericium erinaceus in Glutamate-Damaged Differentiated PC12 Cells and an

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					Alzheimer' s Disease Mouse Model,20 August 2016; Accepted: 20 October 2016; Published: 1 November 2016LWT-Food Sci. Technol. 2016, 65, 1100 – 1108.
106.04.18		02134034	陳品臻	李重義	Yanping Yin, Youyun Yang, Xuwu Xiang, Qian Wang, Zhang-Nv Yang, Jon Blevins, Yongliang Lou, X. Frank Yanga,May 2016,Insight into the Dual Functions of Bacterial Enhancer-Binding Protein Rrp2 of Borrelia burgdorferi, Journal of Bacteriology, 198:1543-1552
106.04.18		02134046	陳相伶	曾惠中	Susanne Muller,Sarah N. Strack,Sarah E. Ryan,Mary Shawgo,Abigail Walling,Susanna Harris,Chris Chambers,Jennifer Boddicker,John R. Kirby ; 2016 ; Identification of Functions Affecting Predator-Prey Interactions between Myxococcus xanthus and Bacillus subtilis ; Journal of Bacteriology 198:3335-3344. doi:10.1128
106.04.25	Y	02134053	張芸瑄	曾惠中	Sean O, David W, Mervyn B. 2016. A novel mechanism of immunity controls the onset of cinnamycin biosynthesis in Streptomyces cinnamoneus DSM 40646. Journal of Industrial Microbiology & Biotechnology 2016:1-10
106.04.25	Y	02134052	蔡尚穎	趙維良	Feld L, Nielsen TK, Hansen LH, Aamand J, Albers CN ,2016, Establishment of bacterial herbicide degraders in a rapid sand filter for bioremediation of phenoxypropionate-polluted groundwater,Appl Environ Microbiol 82:878 – 887. doi:10.1128/AEM.02600-15.
106.05.02	Y	02134087	李苡瑄	趙維良	Christina J.Adler,Richard Malik,Gina V.Browne and Jacqueline M.Norris , June09 , 2016 , Diet may influence the oral microbiome compotion in cats , Microbiome 4:23. doi:10.1186/s40168-016-0169-y

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3. 106.05.02 第二堂進行期末課後問卷施測。(陳欣妤同學)

105-2 學年度大學部論文競賽時程表 (修讀論文三同學)

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106.02.21	9:00	M308 助教辦公室抽籤，決定報告組別及順序。
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106.05.31	12:00	指導教授提交論文成績
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105 學年度第 2 學期大學部書報討論 C 組名單

指導教授：宋宏紅教授(主持人)、張怡塘教授、路光予副教授

上課地點：H212 教室

報告日期	微生物領域	學號	姓名	指導教授	報告文章
106.03.07	Y	02134009	黃依如	宋宏紅	Hwai-Jeng Lin, Fang-Yu Hsu, Wei-Wei Chen, Che-Hsin Lee, Ying-Ju Lin, Yi-Ywan M. Chen, Chih-Jung Chen, Mei-Zi Huang, Min-Chuan Kao, Yu-An Chen, Hsin-Chih Lai and Chih-Ho Lai, 09 September 2016, Helicobacter pylori activates hMgB1 expression and recruits rage into lipid rafts to Promote inflammation in gastric epithelial cells, Front. Immunol. 7:341. doi: 10.3389/fimmu.2016.00341, P1~P11
106.03.07	Y	02134011	林冠志	張怡塘	Dehua Ma, Lujun Chen, Cong Liu, Chenjun Bao, Rui Liu. 2015. Biological removal of antiandrogenic activity in gray wastewater and coking wastewater by membrane reactor process Journal of Environmental(33), 195-202
106.03.14	Y	02134029	許榕珊	張怡塘	Fisseha Andualem Bezza & Evans M. Nkhalambayausi Chirwa, 2015, Production and applications of lipopeptide biosurfactant for bioremediation and oil recovery by Bacillus subtilis CN2, biochemical engineering journal, 101, 168-178
106.03.14	Y	02134003	何思樂	宋宏紅	Prasant Kumar JENA, Bhumika prajapati, pradyumna Kumar Mishra and Sriram Seshadri March 22, 2016 Influence of gut Microbiota on inflammation and pathogenesis of sugar rich diet induced diabetes Immunome Research immunome Res 2016, 12:1
106.03.21	Y	02134058	羅逸溶	張怡塘	Nurul Asyifah Mustapha ¹ & Kenji Sakai ² & Yoshihito Shirai ¹ & Toshinari Maeda ^{1,3} 2016 Impact of different antibiotics on methane production using waste-activated sludge: mechanisms and microbial community dynamics Appl Microbiol Biotechnol Appl Microbiol Biotechnol. 2016 Nov; 100(21):9355-9364
106.03.21	Y	02134059	趙紘侖	宋宏紅	Bart Cortjens, René Lutter, Louis Boon, Reinout A. Bem, Job B. van woensel, December 22, 2016, Pneumovirus-Induced Lung Disease in Mice Is Independent of Neutrophil-Driven Inflammation, PLOS ONE 11(12)
106.03.28	Y	02134057	莊仲薇	宋宏紅	Shirish Dongare, Suresh K. Gupta, Rajani Mathur, Rohit Saxena, Sandeep Mathur, Renu Agarwal, Tapas C. Nag, Sushma Srivastava, Pankaj Kumar, June 2016, Zingiber officinale attenuates retinal microvascular changes in diabetic rats via anti-inflammatory and antiangiogenic mechanisms, Molecular Vision, 22:599-609.
106.03.28		02134040	魏君軒	路光予	Nathaniel M. Butler ¹ , Paul A. Atkins ² , Daniel F. Voytas ² , David S. Douches ¹ , December 14, 2015, Generation and Inheritance of Targeted Mutations in Potato (Solanum tuberosum L.) Using the CRISPR/Cas System, PLOS ONE
106.04.11	Y	02134010	張庭瑄	張怡塘	Ciara Keating, Jason P. Chin, Dermot Hughes, Panagiotis Manesiotis, Denise Cysneiros, Therese Mahony, Cindy J. Smith, John W. McGrath, and Vincent O'Flaherty, Biological Phosphorus Removal During High-Rate, Low-Temperature, Anaerobic Digestion of Wastewater, Front Microbiol(2016), 7:226, doi: 10.3389/fmicb.2016.00226
106.04.11		02134041	羅方好 預講及報告錄影	路光予	Zhi-Qiang Ning ^{1,*} , Hai-lin Lu ^{1,*} , Chao Chen ^{1,*} , Lin Wang ^{2,*} , Wei Cai ¹ , Yan Li ¹ , Ting-hua Cao ¹ , Jing Zhu ¹ , Yong-Qian Shu ^{3,4} , Hua Shen ^{3,4} / December 15, 2016/MicroRNA-30e reduces cell growth and enhances drug sensitivity to gefitinib in lung carcinoma/Oncotarget, Advance

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					Publications 2016
106.04.18		02134002	賴怡廷	路光予	Shichuan Zhang ^{1,2,6,7} , Shinji Matsunaga ^{1,3,6} , Yu-Fen Lin ¹ , Brock Sishc ¹ , Zengfu Shang ¹ , Jiangdong Sui ¹ , Hung-Ying Shih ¹ , Yong Zhao ⁴ , Oded Foreman ⁵ , Michael D. Story ¹ , David J. Chen ¹ , and Benjamin PC. Chen ¹ , 7/1/2016 July 28/Spontaneous Tumor Development in Bone Marrow Rescued DNA-PKcs3A/3A Mice Due to Dysfunction of Telomere Leading Strand Deprotection/Oncogene./35(30): 3909–3918. doi:10.1038/onc.2015.459./
106.04.18		02134015	施亞彤	路光予	Lisa A. Hawver, Jennifer M. Giuliatti, James D. Baleja, Wai-Leung Ng/6 December 2016/Quorum Sensing Coordinates Cooperative Expression of Pyruvate Metabolism Genes To Maintain a Sustainable Environment for Population Stability/mBio/Volum 7 Issue 6 e01863-16/1-11

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3. 106.04.18 上課前發出課後問卷，請同學於休息時間填寫，第二堂下課時交回。(羅逸溶同學)

105-2 學年度大學部論文競賽時程表 (修讀論文三同學)

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106.02.21	9:00	M308 助教辦公室抽籤，決定報告組別及順序。
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106.05.23	08:10~10:00 13:30~15:20	論文口頭報告
106.05.31	12:00	繳交裝訂成冊之畢業論文
106.05.31	12:00	指導教授提交論文成績
106.06.13	08:10~10:00	大學部論文競賽第二階段壁報發表