

論文發表：

1. "A clamp-like orientation of basic residues set in a parallelogram is essential for heparin binding." Cheng YY, Cheng CS, Lee TR, Chang WW, Lyu PC*. FEBS Lett. 2016 doi: 10.1002/1873-3468.12361.
2. "Role of the RAD51-SWI5-SFR1 Ensemble in homologous recombination." Su GC, Yeh HY, Lin SW, Chung CI, Huang YS, Liu YC, Lyu PC, Chi P. Nucleic Acids Res. 2016 Jul 27;44(13):6242-51.
3. "Pyrazolylamine Derivatives Reveal the Conformational Switching between Type I and Type II Binding Modes of Anaplastic Lymphoma Kinase (ALK)." Tu CH, Lin WH, Peng YH, Hsu T, Wu JS, Chang CY, Lu CT, Lyu PC, Shih C, Jiaang WT, Wu SY. J Med Chem. 2016 Apr 28;59(8):3906-19.
4. "1H, 15N and 13C resonance assignments of light organ-associated fatty acid-binding protein of Taiwanese fireflies." Tseng KL, Lee YZ, Chen YR, Lyu PC. Biomol NMR Assign. 2016 Apr;10(1):71-4.
5. "Complete Genome Sequence of *Xanthomonas campestris* pv. *campestris* Strain 17 from Taiwan." Liu YC, Wang SC, Yu YJ, Fung KM, Yang MT, Tseng YH, Tsai SF, Sun HS, Lyu PC, Chou SH. Genome Announc. 2015 Dec 17;3(6). pii: e01466-15.
6. "Comparative analysis of the folding dynamics and kinetics of an engineered knotted protein and its variants derived from HP0242 of *Helicobacter pylori*." Wang LW, Liu YN, Lyu PC, Jackson SE, Hsu ST. J Phys Condens Matter. 2015 Sep 9;27(35):354106.
7. "NMR assignments of a hypothetical pseudo-knotted protein HP0242 from *Helicobacter pylori*." Chien CT, Wang LW, Liu YN, Hsu BD, Lyu PC, Hsu ST. Biomol NMR Assign. 2014 Oct;8(2):287-9.
8. "Biomarker discovery for neuroendocrine cervical cancer." Lin LH, Chang SJ, Hu RY, Lin MW, Lin ST, Huang SH, Lyu PC, Chou HC, Lai ZY, Chuang YJ, Chan HL. Electrophoresis. 2014 Jul;35(14):2039-45.
9. "Protein kinase inhibitor design by targeting the Asp-Phe-Gly (DFG) motif: the role of the DFG motif in the design of epidermal growth factor receptor inhibitors." Peng YH, Shiao HY, Tu CH, Liu PM, Hsu JT, Amancha PK, Wu JS, Coumar MS, Chen CH, Wang SY, Lin WH, Sun HY, Chao YS, Lyu PC, Hsieh HP, Wu SY. Med Chem. 2013 May 23;56(10):3889-903.
10. "Redox-proteomic analysis of doxorubicin resistance-induced altered thiol activity in uterine carcinoma." Lin ST, Lo YW, Chang SJ, Wang WC, Chang MD, Lyu PC, Chen YW, Chou HC, Chan HL*. J Pharm Biomed Anal. 2013 May 5; 78-79.
11. "Residue-specific annotation of disorder-to-order transition and cathepsin inhibition of a propeptide-like crammer from *D. melanogaster*." Tseng TS, Cheng CS, Hsu ST, Shih MF, He PL, Lyu PC*. PLoS One 2013; 8(1):e54187.
12. "GI-POP: a combinational annotation and genomic island prediction pipeline for ongoing microbial genome projects." Lee CC, Chen YP, Yao TJ, Ma CY, Lo WC, Lyu PC*, Tang CY*. Gene 2013 Apr 10; 518(1):114-23.
13. "Crystal structure of circular permuted RoCBM21 (CP90): dimerisation and proximity of binding sites." Stephen P, Cheng KC, Lyu PC*. PLoS One 2012; 7(11):e50488.

14. "Feature Identification of Compensatory Gene Pairs without Sequence Homology in Yeast." Peng CH, Lin SH, Peng SC, Lyu PC, Aruta M, Tang CY*. *Comp Funct Genomics*. 2012; 2012:653174.
15. "Circular permutation prediction reveals a viable backbone disconnection for split proteins: an approach in identifying a new functional split intein." Lee YT, Su TH, Lo WC, Lyu PC, Sue SC*. *PLoS One* 2012; **7**(8):e43820.
16. "Proteomic analysis of proteins responsible for the development of doxorubicin resistance in human uterine cancer cells." Lin ST, Chou HC, Chang SJ, Chen YW, Lyu PC, Wang WC, Chang MD, Chan HL*. *J Proteomics*. 2012 Oct 22; **75**(18):5822-47.
17. "Phylogenomic and domain analysis of iterative polyketide synthases in *Aspergillus* species." Lin SH, Yoshimoto M, Lyu PC, Tang CY*, Arita M. *Evol Bioinform Online* 2012; **8**:373-87.
18. "Photofrin binds to procaspase-3 and mediates photodynamic treatment-triggered methionine oxidation and inactivation of procaspase-3." Hsieh YJ, Chien KY, Lin SY, Sabu S, Hsu RM, Chi LM, Lyu PC, Yu JS*. *Cell Death Dis*. 2012 Jul 12; **3**:e347.
19. "Placenta proteome analysis from Down syndrome pregnancies for biomarker discovery." Chen CP, Chen YH, Chern SR, Chang SJ, Tsai TL, Li SH, Chou HC, Lo YW, Lyu PC, Chan HL. *Mol Biosyst*. 2012 Sep; **8**(9):2360-72.
20. "Crystal structure of the dopamine N-acetyltransferase-acetyl-CoA complex provides insights into the catalytic mechanism." Cheng KC, Liso JN, Lyu PC*. *Biochem J*. 2012 Sep 15; **446**(3):395-404.
21. "CPred: a web server for predicting viable circular permutations in proteins." Lo WC, Wang LF, Liu YY, Dai T, Hwang JK, Lyu PC*. *Nucleic Acids Res*. 2012 Jul; **40**:W232-7.
22. "Proteome reference map of *Drosophila melanogaster* head." Lee TR, Huang SH, Lee CC, Lee HY, Chan HT, Lin KS, Chan HL, Lyu PC*. *Proteomics*. 2012 Jun; **12**(11):1875-8.
23. "Metabolic classification of microbial genomes using functional probes." Lee CC, Lo WC, Lai SM, Chen YP, Tang CY*, Lyu PC*. *BMC Genomics*. 2012 Apr 27; **13**(1):157.
24. "Proteomic and redox-proteomic analysis of berberine-induced cytotoxicity in breast cancer cells." Chou HC, Lu YC, Cheng CS, Chen YW, Lyu PC, Lin CW, Timms JF, Chan HL. *J Proteomics*. 2012 Mar 21. [Epub ahead of print]
25. "Proteomic analysis of a *Drosophila* IBMPFD model reveals potential pathogenic mechanisms." Chan HT, Lee TR, Huang SH, Lee HY, Sang TK, Chan HL*, Lyu PC*. *Mol Biosyst*. 2012 Apr 5. [Epub ahead of print].
26. "A Molten Globule-to-Ordered Structure Transition of *Drosophila melanogaster* Crammer Is Required for its Ability to Inhibit Cathepsin." Tseng TS, Cheng CS, Chen DJ, Shih MF, Liu YN, Hsu ST*, Lyu PC*. *Biochem J*. 2012 Mar 15; **442**(3):563-72.
27. "Circular permutation of the starch-binding domain: inversion of ligand selectivity with increased affinity." Stephen P, Tseng KL, Liu YN, Lyu PC*. *Chem Commun (Camb)*. 2012 Mar 7; **48**(20):2612-4.
28. "Identification of putative miRNAs from the deep-branching unicellular flagellates." Huang PJ, Lin WC, Chen SC, Lin YH, Sun CH, Lyu PC*, Tang P*. *Genomics*. 2012 Feb; **99**(2):101-7.

29. "Construction and analysis of a plant non-specific lipid transfer protein database (nsLTPDB)." Wang NJ, Lee CC, Cheng CS, Lo WC, Yang YF, Chen MN, Lyu PC*. *BMC Genomics*. 2012;**13** Suppl 1:S9.
30. "Deciphering the preference and predicting the viability of circular permutations in proteins." Lo WC, Dau T, Liu YN, Wang LF, Hwang JK*, Lyu PC*. *PLoS One*. 2012;**7**(2):e31791. Epub 2012 Feb 16.
31. "Cytoskeleton Network and Cellular Migration Modulated by Nuclear-localized Receptor Tyrosine Kinase ROR1." Tseng HC, Kao HW, Ho MR, Chen YR, Lin TW, Lyu PC, Lin WC. *Anticancer Res*. 2011 Dec;**31**(12):4239-49.
32. "Proteomic analysis of gemcitabine-induced drug resistance in pancreatic cancer cells." Chen YW, Liu JY, Lin ST, Li JM, Huang SH, Chen JY, Wu JY, Kuo CC, Wu CL, Lu YC, Chen YH, Fan CY, Huang PC, Law CH, Lyu PC, Chou HC, Chan HL. *Mol Biosyst*. 2011 Nov;**7**(11):3065-74.
33. "Comparative analysis of receptor binding by chicken and human interleukin-1beta." Cheng CS, Lu WS, Tu IF, Lyu PC, Yin HS. *J Mol Model*. 2011 Jun;**17**(6):1283-94.
34. "Mitochondrial proteomics analysis of tumorigenic and metastatic breast cancer markers." Chen YW, Chou HC, Lyu PC, Yin HS, Huang FL, Chang WS, Fan CY, Tu IF, Lai TC, Lin ST, Lu YC, Wu CL, Huang SH, Chan HL. *Funct Integr Genomics*. 2011 Jun;**11**(2):225-39.
35. "Plasma proteomic analysis of the critical limb ischemia markers in diabetic patients with hemodialysis." Hung PH, Chen YW, Cheng KC, Chou HC, Lyu PC, Lu YC, Lee YR, Wu CT, Chan HL. *Mol Biosyst*. 2011 Jun;**7**(6):1990-8.
36. "Crystal structure and biophysical characterisation of Helicobacter pylori phosphopantetheine adenylyltransferase." Cheng CS, Chen CH, Luo YC, Chen WT, Chang SY, Lyu PC, Kao MC, Yin HS. *Biochem Biophys Res Commun*. 2011 May 6;**408**(2):356-61.
37. "Structural and functional comparison of cytokine interleukin-1 beta from chicken and human." Cheng CS, Chen WT, Lee LH, Chen YW, Chang SY, Lyu PC, Yin HS. *Mol Immunol*. 2011 Mar; **48**(6-7):947-55.
38. "Reconstructing phylogeny from metabolic substrate-product relationships." Chang CW, Lyu PC, Arita M. *BMC Bioinformatics*. 2011 Feb 15;**12** Suppl 1:S27.
39. "Characterization of photodynamic therapy responses elicited in A431 cells containing intracellular organelle-localized photofrin." Hsieh YJ, Yu JS*, Lyu PC*. *J Cell Biochem*. 2010 Nov 1;**111**(4):821-33.
40. "Detection and alignment of 3D domain swapping proteins using angle-distance image-based secondary structural matching techniques." Chu CH, Lo WC, Wang HW, Hsu YC, Hwang JK, Lyu PC, Pai TW, Tang CY. *PLoS One*. 2010 Oct 14;**5**(10):e13361.
41. "Structural basis for the improved potency of peroxisome proliferator-activated receptor (PPAR) agonists." Peng YH, Coumar MS, Leou JS, Wu JS, Shiao HY, Lin CH, Lin WH, Lien TW, Chen X, Hsu JT, Chao YS, Huang CF, Lyu PC, Hsieh HP, Wu SY. *ChemMedChem*. 2010 Oct 4;**5**(10):1707-16.

42. "Human RegIV protein adopts a typical C-type lectin fold but binds mannan with two calcium-independent sites." Ho MR, Lou YC, Wei SY, Luo SC, Lin WC, Lyu PC, Chen C. *J Mol Biol.* 2010 Oct 1;**402**(4):682-95.
43. "Anti-atherogenic effect of berberine on LXRA α -ABCA1-dependent cholesterol efflux in macrophages." Lee TS, Pan CC, Peng CC, Kou YR, Chen CY, Ching LC, Tsai TH, Chen SF, Lyu PC, Shyue SK. *J Cell Biochem.* 2010 Sep 1;**111**(1):104-10.
44. "Thermodynamic and Kinetic Studies of a Stable Imperfect DNA Triplex by Spectroscopic and Calorimetric Methods." Wey MT, Lyu PC, Kan LS. *J Chin Chem Soc.* 2010 Jul;**57**(3B):496-504.
45. "Proteomics study of oxidative stress and Src kinase inhibition in H9C2 cardiomyocytes: a cell model of heart ischemia-reperfusion injury and treatment." Chou HC, Chen YW, Lee TR, Wu FS, Chan HT, Lyu PC, Timms JF, Chan HL. *Free Radic Biol Med.* 2010 Jul 1;**49**(1):96-108.
46. "DSAP: deep-sequencing small RNA analysis pipeline." Huang PJ, Liu YC, Lee CC, Lin WC, Gan RR, Lyu PC*, Tang P*. *Nucleic Acids Res.* Jul;**38**(Web Server issue):W385-91.
47. "Nuclear localization of orphan receptor protein kinase (Ror1) is mediated through the juxtamembrane domain." Tseng HC, Lyu PC, Lin WC. *BMC Cell Biol.* 2010 Jun 30;**11**:48.
48. "Design and Synthesis of alpha-Ketoamides as Cathepsin S Inhibitors with Potential Applications against Tumor Invasion and Angiogenesis." Chen JC, Uang BJ, Lyu PC, Chang JY, Liu KJ, Kuo CC, Hsieh HP, Wang HC, Cheng CS, Chang YH, Chang MD, Chang WS, Lin CC. *J Med Chem.* 2010 Jun 10;**53**(11):4545-9.
49. "Trypsin-induced proteome alteration during cell subculture in mammalian cells." Huang HL, Hsing HW, Lai TC, Chen YW, Lee TR, Chan HT, Lyu PC, Wu CL, Lu YC, Lin ST, Lin CW, Lai CH, Chang HT, Chou HC, Chan HL. *J Biomed Sci.* 2010 May 11;**17**:36.
50. "Functional proteomic and structural insights into molecular targets related to the growth inhibitory effect of tanshinone IIA on HeLa cells." Pan TL, Hung YC, Wang PW, Chen ST, Hsu TK, Sintupisut N, Cheng CS, Lyu PC. *Proteomics.* 2010 Mar;**10** (5):914-29.
51. "Identification of MYO18A as a novel interacting partner of the PAK2/betaPIX/GIT1 complex and its potential function in modulating epithelial cell migration." Hsu RM, Tsai MH, Hsieh YJ, Lyu PC, Yu JS. *Mol Biol Cell.* 2010 Jan;**21**(2):287-301.