*趙清貴教授

所有發表期刊論文

- 1. Chao, C.C.-K. and Rosenstein, B.S. Inhibition of the UV induction of sister-chromatid exchanges in ICR 2A frog cells by pretreatment with gamma-rays. *Mutat. Res.* 139: 35-39, 1984.
- 2. Chao, C.C.-K. and Rosenstein, B.S. Induction of sister-chromatid exchanges in ICR 2A frog cells exposed to 254 nm and solar wavelengths. *Photochem. Photobiol.* 41: 625-627, 1985.
- 3. Chao, C.C.-K., Rosenstein, R.B. and Rosenstein, B.S. Induction of sister-chromatid exchanges in ICR 2A frog cells exposed to 265-313 nm monochromatic ultraviolet wavelengths and photoreactivating light. *Mutat. Res.* 149: 443-450, 1985.
- 4. Rosenstein, B.S. and Chao, C.C.-K. Isolation of a mutant cell line derived from ICR 2A frog cells hypersensitive to the induction of nondimer DNA damage by solar ultraviolet radiation. *Somatic Cell Mol. Genet.* 11: 339-344, 1985.
- 5. Rosenstein, B.S., Chao, C.C.-K. and Ducore, J.M. Analysis of the excision repair of nondimer DNA damage induced by solar ultraviolet radiation in ICR 2A frog cells. *Radiat. Res.* 103: 286-292, 1985.
- 6. Rosenstein, B.S. and Chao, C.C.-K. Characterization of DNA repair in a mutant cell line derived from ICR 2A frog cells that is hypersensitive to non-dimer DNA damages induced by solar ultraviolet radiation. *Mutat. Res.* 146: 191-196, 1985.
- 7. Chao, C.C.-K. and Rosenstein, B.S. Use of metabolic inhibitors to investigate the excision repair of pyrimidine dimers and non-dimer DNA damages induced in human and ICR 2A frog cells by solar ultraviolet radiation. *Photochem. Photobiol.* 43: 165-170, 1986.
- 8. Rosenstein, B.S., Chao, C.C.-K. and Ducore, J.M. The use of metabolic inhibitors to compare the excision repair of pyrimidine dimers and nondimer DNA damages in human skin fibroblasts exposed to 254-nm and sunlamp-produced 310-nm ultraviolet radiation. *Environ. Mol. Mutagen.* 8: 335-343, 1986.
- 9. Mitchell, D.L., Clarkson, J.M., Chao, C.C.-K. and Rosenstein, B.S. Repair of cyclobutane dimers and (6-4) photoproducts in ICR 2A frog cells. *Photochem. Photobiol.* 43: 595-597, 1986.
- 10. Chao, C.C.-K. and Lin-Chao, S. Transient induction of photolyase activity in arrested frog cells in response to a short-wave ultraviolet segment of simulated "sunlight". *Biochem. Biophys. Res. Comm.* 145: 604-611, 1987.

- 11. Chao, C.C.-K. and Lin-Chao, S. Regulation of photorepair in growing and arrested frog cells in response to ultraviolet light. *Mutat. Res.* 192: 211-216, 1987.
- 12. Chao, C.C.-K. and Lin-Chao, S. Loss of inducible photorepair in a frog cell mutant hypersensitive to solar UV. *FEBS Lett.* 225: 133-138, 1987.
- 13. Chao, C.C.-K., Bird, P., Gething, M.-J. and Sambrook, J. Post-translational translocation of influenza virus hemagglutinin across microsomal membranes. *Mol. Cell. Biol.* 7: 3842-3845, 1987.
- 14. Chao, C.C.-K., Bird, P., Gething, M.-J. and Sambrook, J. Uncoupling of translocation across microsomal membranes from biosynthesis of influenza virus hemagglutinin. In: Molecular Biology of Intracellular Protein Sorting and Organelle Assembly, (*UCLA Symp. Molec. Cell. Biol.*) pp. 85-91, New York: Alan R. Liss, Inc., 1988.
- 15. Gething, M.-J., McCammon, K., Normington, K., Chao, C.C.-K. and Sambrook, J. Protein folding and intracellular transport. In: Molecular Biology of Intracellular Protein Sorting and Organelle Assembly, (*UCLA Symp. Molec. Cell. Biol.*), New York: Alan R. Liss, Inc., 1988.
- 16. Chao, C.C.-K. and Bird, P. Uncoupling of translocation across microsomal membranes from biosynthesis of influenza virus hemagglutinin. *J. Cell. Biochem.* 36: 289-295, 1988.
- 17. Chao, C.C.-K., Lee, Y.-L. and Lin-Chao, S. Phenotypic reversion of cisplatin resistance accompanies reduced host cell reactivation of damaged plasmid. *Biochem. Biophys. Res. Comm.* 170: 851-859, 1990.
- 18. Chao, C.C.-K., Yam, W.-C. and Lin-Chao, S. Coordinated induction of two unrelated glucose-regulated protein genes by a calcium ionophore: human BiP/GRP78 and GAPDH. *Biochem. Biophys. Res. Comm.* 171: 431-438, 1990.
- 19. Chao, C.C.-K., Ma, C.M., Cheng, P.-W. and Lin-Chao, S. Increased *mdr* gene expression and decreased drug accumulation in a human colonic cancer cell line resistant to hydrophobic drugs. *Biochem. Biophys. Res. Comm.* 172: 842-849, 1990.
- 20. Chao, C.C.-K., Lee, Y.-L., Cheng, P.-W. and Lin-Chao, S. Enhanced host cell reactivation of damaged plasmid DNA in HeLa cells resistant to *cis*-diamminedichloroplatinum(II). *Cancer Res.* 51: 601-605, 1991.
- 21. Chao, C.C.-K. Increase in damaged-DNA binding and repair in human UV resistance. In: *Trends in Photochemistry and Photobiology* 1: 341-351, ed. Council of Scientific Research Integration, India, India: Research Trends, 1991.
- 22. Chao, C.C.-K., Huang, S.-L., Huang, H. and Lin-Chao, S. Cross resistance to UV

- radiation of a cisplatin-resistant human cell line: Overexpression of cellular factors that recognize UV-modified DNA. *Mol. Cell. Biol.* 11: 2075-2080, 1991.
- 23. Chao, C.C.-K., Huang, S.-L., Lee, L.-Y. and Lin-Chao, S. Identification of inducible damage-recognition proteins that are overexpressed in HeLa cells resistant to *cis*-diamminedichloroplatinum(II). *Biochem. J.* 277: 875-878, 1991.
- 24. Chao, C.C.-K. Potential negative regulation of damage-recognition proteins in cisplatin resistant HeLa cells in response to DNA damage. *Mutat. Res.* 264: 59-66, 1991.
- 25. Chao, C.C.-K., Ma, C.M. and Lin-Chao, S. Co-amplification and over-expression of two mdr genes in a multidrug-resistant human colon carcinoma cell line. *FEBS Lett.* 291: 214-218, 1991.
- 26. Chao, C.C.-K., Huang, S.-L. and Lin-Chao, S. Ca²⁺-mediated inhibition of a nuclear protein that recognizes UV-damaged DNA and is constitutively overexpressed in resistant human cells: DNA-binding assay. *Nucleic Acids Res.* 19: 6413-6418, 1991
- 27. Chao, C.C.-K. Damage-recognition proteins as a potential indicator of DNA damage-mediated sensitivity or resistance of human cells to ultraviolet radiation. *Biochem. J.* 282: 203-207, 1992.
- 28. Chao, C.C.-K. A single amino acid deletion at the N-terminus of influenza virus hemagglutinin causes malfolding and prevents transport of the molecule from endoplasmic reticulum in mammalian cells. *J. Biol. Chem.* 267: 2142-2148, 1992.
- 29. Chao, C.C.-K., Huang, Y.-T., Ma, C.M., Chou, W.-Y. and Lin-Chao, S. Overexpression of glutathione S-transferase and elevated thiol pools in a multidrug-resistant human colon cancer cell line. *Mol. Pharmacol.* 41: 69-75, 1992.
- 30. Chao, C.C.-K. Characterization of a UV-damage recognition factor in vitro that is associated with UV resistance in HeLa cells. *Mutat. Res.* 281: 105-113, 1992
- 31. Chao, C.C.-K., Yam, W.-C., Chen, L.-K. and Lin-Chao, S. Cloning of a functional Burkitt's lymphoma polypeptide-binding protein/78 kDa glucose-regulated protein (BiP/GRP78) gene promoter by the polymerase chain reaction, and its interaction with inducible cellular factors. *Biochem. J.* 286: 555-559, 1992
- 32. Chao, C.C.-K. and Lin-Chao, S. A direct-repeat sequence of the human BiP gene is required for A23187-mediated inducibility and an inducible factor binding. *Nucleic Acids Res.* 20: 6481-6485, 1992
- 33. Chao, C.C.-K. Overproduction of damage recognition proteins in human cells resistant to cisplatin and ultraviolet radiation. In: Gene Amplification in Mammalian Cells: A comprehensive guide, pp. 131-139, ed. R.E. Kellems, USA:

- Marcel Dekker, Inc., 1993.
- 34. Chao, C.C.-K., Sun, N.-K. and Lin-Chao, S. Characterization of a DNA damage recognition protein from F9 teratocarcinoma cells, which is inducible by retinoic acid and cAMP. *Biochem. J.* 290: 129-134, 1993.
- 35. Song, E.-J., Chiang, C.-D., Chao, C.C.-K. and Cheng, V. The efflux of intracellular vincristine in drug-resistant human lung cancer cells is not mediated by P-glycoprotein. *J. Formosan Med. Assoc.* 92: S69-75, 1993
- 36. Chao, C.C.-K. and Sun, N.-K. Overproduction of a UV-modified DNA recognition protein in a UV-sensitive human colon cancer cell line that features MDR phenotype. *Biochem. Biophy. Res. Comm.* 191: 1252-1260, 1993
- 37. Chao, C.C.-K. and Huang, S.-L. Inhibition of UV-damaged DNA recognition activity in HeLa cells by calcium ionophore A23187: Potential involvement of cytosolic proteins. *Biochem. Biophys. Res. Comm.* 193: 764-770, 1993
- 38. Chao, C.C.-K. Constitutive over-production of DNA-damage recognition proteins and acquired UV resistance in prolonged culture of F9 teratocarcinoma stem cells. *FEBS Lett.* 329: 253-258, 1993
- 39. Chao, C.C.-K. and Huang, S.-L. Apparent alterations in the early stage of excision repair of UV-induced DNA damages in a HeLa mutant cell line that is resistant to genotoxic stresses. *Mutat. Res.* 303: 19-27, 1993
- 40. Chao, C.C.-K. Lack of DNA enzymatic photoreactivation in HeLa cell-free extracts. *FEBS Lett.* 336: 411-416, 1993
- 41. Lin-Chao, S. and Chao, C.C.-K. Reduced inhibition of DNA synthesis and G2 arrest in the cell cycle progression of resistant HeLa cells in response to *cis*-diamminedichloroplatinum(II). *J. Biomed. Sci.* 1: 131-138, 1994
- 42. Chiang, C.-D., Song, E.-J., Yang, V.C. and Chao, C.C.-K. Ascorbic acid increases drug accumulation and reverses vincristine resistance of human non-small cell lung cancer cells. *Biochem. J.* 301: 759-764, 1994
- 43. Chao, C.C.-K. Decreased accumulation as a mechanism of resistance to *cis*-diamminedichloroplatinum(II) in cervix carcinoma HeLa cells: Relation to DNA repair. *Mol. Pharmacol.* 45: 1137-1144, 1994
- 44. Chao, C.C.-K. Enhanced excision repair of DNA damage due to *cis*-diamminedichloroplatinum(II) in resistant cervix carcinoma HeLa cells. *Eur. J. Pharmacol.* 268: 347-355, 1994
- 45. Chao, C.C.-K., Shieh, T.-C. and Huang, H. Use of a monoclonal antibody to detect DNA damage caused by anticancer drug *cis*-diamminedichloroplatinum(II) in vivo and in vitro. *FEBS Lett.* 354: 103-109, 1994
- 46. Song, E.-J., Yang, V.C., Chiang, C.D. and Chao, C.C.-K. Potentiation of growth

- inhibition due to vincristine by ascorbic acid in a resistant human non-small cell lung cancer cell line. *Eur. J. Pharmacol.* 292: 119-125, 1995
- 47. Chao, C.C.-K., Yam, W.-C., Chung, K.-C. and Ho, Y.-S. Adriamycin-inducible proteins associated with drug sensitivity in resistant immunoblastic B lymphoma cells. *Mutat. Res.* 346: 33-41, 1995
- 48. Chao, C.C.-K. Lack of elevated drug efflux in adriamycin-resistant immunoblastic B lymphoma cells with MDR1 gene overexpression. *FEBS Lett.* 373: 285-290, 1995
- 49. Huang, H.S., Peng, J.T., She, J.Y., Zhang, L.P., Chao, C.C.-K., Liu, K.H., She, J.X. HLA-encoded susceptibility to insulin-dependent diabetes mellitus is determined by DR and DQ genes as well as their linkage disequilibria in a Chinese population. *Human Immunol.* 44: 210-219, 1995
- 50. Sun, N.-K., Huang, S.-L., Lin-Chao, S. and Chao, C.C.-K. Induction, not associated with host cell reactivation of damaged plasmid DNA, of DNA-damage recognition proteins by retinoic acid and cAMP in mammalian cells. *Biochem. J.* 313: 441-445, 1996
- 51. Chao, C.C.-K. Selective drug efflux in multidrug-resistant immunoblastic B lymphoma cells with overexpressed P-glycoprotein. *Eur. J. Pharmacol.*-Environ. Toxicol. Pharmacol. 1: 63-72, 1996
- 52. Chao, C.C.-K. Inhibition by arsenite of anticancer drug *cis*-diamminedichloroplatinum(II) induced DNA repair and drug resistance in HeLa cells. *Eur. J. Pharmacol.* Envron. Toxicol. Pharmacol. 1: 199-205, 1996
- 53. Chao, C.C.-K. Cross-resistance to *cis*-diamminedichloroplatinum(II) of an MDR lymphoma cell line associated with decreased drug accumulation and enhanced DNA repair. *Eur. J. Pharmacol.* Mol. Pharmacol. 305: 213-222, 1996
- 54. Chao, C.C.-K. Molecular basis of *cis*-diamminedichloroplatinum(II) resistance: a review. *J. Formosan Med. Assoc.* 95: 893-900, 1996
- 55. Ju, Y.T., Chang, A.C.Y., She, B.-R., Tsau, M.-L., Chao, C.C.-K., Hwang, H.-M., Cohen, S.N. and Lin-Chao, S. *Gas7*, a mouse novel gene expressed preferentially during growth arrest of fibroblasts and in terminally differentiated Purkinje neurons is required for neurite formation. *Proc. Natl. Acad. Sci. USA* 95: 11423-11428, 1998
- 56. Lo, Y.-F., Chen, T.-C., Chen, S.-C. and Chao, C.C.-K. Aberrant expression of TSG101 in Taiwan Chinese breast cancer. *Breast Cancer Res. Treat.* 60: 259-266, 2000 [IF: 4.67]
- 57. Kamarajan, P. and Chao, C.C.-K. UV-induced apoptosis in resistant HeLa cells.

- Bioscience Rep. 20: 99-108, 2000
- 58. Lee, M.-S., Ueng, S.W.-N., Shih, C.-H. and Chao, C.C.-K. Primary cultures of human chondrocytes are susceptible to low inocula of *Staphylococcus aureus* infection and undergo apoptosis. *Scand. J. Infect. Dis.* 33: 47-50, 2001
- 59. Lee, M.-S., Yen, C.-Y., Ueng, S.W.-N., Shih, C.-H. and Chao, C.C.-K. Signal transduction pathways and apotosis in bacteria-infected chondrocytes. *J. Orthop. Res.* 19: 696-702, 2001
- 60. Lee, M.S., Chao, E.K., Ueng, S.W.N., Chen, C.Y., Shih, C.H., and Chao, C.C.-K.. Effects of different mechanical stresses on nitric oxide release influence cartilage macromolecular genes expression in human osteoarthritic chondrocytes in vitro. *J Orthop Surg, R.O.C.* 18: 1-6, 2001
- 61. Kamarajan, P., Sun, N.-K., Sun, C.-L. and Chao, C.C.-K. Apaf1 overexpression partially overcomes acquired cisplatin resistance in a cisplatin-selected HeLa cell line. *FEBS Lett.* 505: 206-212, 2001
- 62. Sun, N.-K., Kamarajan, P., Huang, H. and Chao, C.C.-K. Restoration of UV sensitivity in UV-resistant HeLa cells by antisense-mediated depletion of damaged DNA-binding protein 2 (DDB2). *FEBS Lett.* 512: 168-172, 2002
- 63. Sun, N.-K., Lu, H.-P. and Chao, C.C.-K. Identification of rat DDB1, a putative DNA repair protein, and functional correlation with UV damaged-DNA recognition activity. *J. Biomed. Sci.* 9: 371-380, 2002
- 64. Sun, N.-K., Lu, H.-P. and Chao, C.C.-K. Overexpression of damaged DNA-binding protein 2 (DDB2) potentiates UV resistance in hamster V79 cells. *Chang Gung Med. J.* 25: 686-695, 2002
- 65. Chao, C.C.-K., Su, L.-J., Sun, N.-K., Ju, Y.-T., Lih, J.C.-J. and Lin-Chao, S. Involvement of Gas7 in NGF-independent and dependent cell processes in PC12 cell. *J. Neurosci. Res.* 74: 246-254, 2003
- 66. Kamarajan, P., Sun, N.-K. and Chao, C.C.-K. Upregulation of FLIP in cisplatin-selected HeLa cells causes cross-resistance to Fas death signaling. *Biochem J.* 376: 253-260, 2003
- 67. Fan, C.W., Chan, C.C., Chao, C.C.-K., Fan, H.A., Sheu, D.L. and Chan, E.-C. Expression patterns of cell cycle and apoptosis-related genes in a multidrug-resistant human colon carcinoma cell line. *Scand J Gastroenterol.* 39: 464-469, 2004
- 68. Lee, M.S., Tu, Y.K., Chao, C.C.-K., Chen, S.C., Chen, C.Y., Chan, Y.S., Yeh, W.L., Ueng, S.W.N. Inhibition of nitric oxide can ameliorate apoptosis and modulate matrix protein gene expression in bacteria infected chondrocyte in vitro. *J. Orthop. Res.* 23: 440-445, 2005
- 69. Sun, C.-L. and Chao, C.C.-K. Potential attenuation of p38 signaling by DDB2 as

- a factor in acquired TNF resistance. Int. J. Cancer 115: 383-389, 2005
- 70. Chang, P.-Y., Kuo, J.-T., Lin-Chao, S. and Chao, C.C.-K. Identification of rat Gas7 isoforms differentially expressed in brain and regulated after kainate-induced neuronal injury. *J. Neurosci. Res.* 79: 788-797, 2005
- 71. Sun, C.-L. and Chao, C.C.-K. Cross-resistance to death ligand-induced apoptosis, in cisplatin-selected HeLa cells, associated with overexpression of DDB2 and subsequent induction of cFLIP. *Mol. Pharmacol.* 67: 1307-1314, 2005
- 72. Chao, C.C.-K., Chang, P.-Y. and Lu, H.-P. Human Gas7 isoforms homologous to mouse transcripts differentially induce neurite outgrowth. *J. Neurosci. Res.* 81: 153-162, 2005
- 73. Sun, N.-K. and Chao, C.C.-K. The cytokine activity of HMGB1, extracellular escape of the nuclear protein (a review). *Chang Gung Med. J.* 28: 673-682, 2005
- 74. Chao, C.C.-K. Gas7. *AfCS-Nature Molecular Page*, 2006 (A000068, doi:00.0000/ mp.g000000.00)
- 75. Chao, C.C.-K. Hmg1. *AfCS-Nature Molecular Page*, 2006 (A001133, doi:00.0000/mp.h000000.00)
- 76. Tsai, S.-Y.*, Sun, N.-K.*, Lu, H.-P., Cheng, M.-L. and Chao, C.C.-K. Involvement of reactive oxygen species in multidrug resistance of a vincristine-selected lymphoblastoma. *Cancer Sci.* 98: 1206-1214, 2007 (*equal contribution)
- 77. Chang, E.Y.H., Ueng, S.W.N., Lin-Chao, S. and Chao, C.C.-K. Involvement of Gas7 along the ERK 1/2 MAP kinase pathway in chondrogenesis of human marrow derived mesenchymal stem cells. *Osteoarthritis Cartilage*, 16: 1403-1412, 2008
- 78. Chang, E.Y.H., Hsieh, P.-H. and Chao, C.C.-K. The efficiency of using density gradient medium to isolate human bone marrow stromal cells with multipotential differentiation. *Chang Gung Med. J.* 32: 264-275, 2009 [長庚醫 誌優秀論文獎]
- 79. Wu, Z.-Z., Lu, H.-P. and Chao, C.C.-K. Identification and functional analysis of genes which potentially confer resistance to cisplatin in tumor cells. *Biochem. Pharmacol.* 80: 262-276, 2010
- 80. Sun, N.-K.*, Sun, C.-L.*, Lin, C.-H., Pai, L.-M. and Chao, C.C.-K. Damaged DNA-binding protein 2 (DDB2) protects against UV irradiation in human cells and *Drosophila*. *J. Biomed. Sci.*, 2010 (*equal contribution)
- 81. Wu, Z.-Z. and Chao, C.C.-K. Knockdown of NAPA using short-hairpin RNA sensitizes cancer cells to cisplatin: implications to overcome chemoresistance. *Biochem. Pharmacol.* 80: 827-837, 2010

- 82. Kuo, T.-C. and Chao, C.C.-K. Hepatitis B virus X protein prevents apoptosis of hepatocellular carcinoma cells by upregulating SATB1 and HURP expression. *Biochem. Pharmacol.* 80: 1093-1102, 2010
- 83. Hung, F.-C. and Chao, C.C.-K. Knockdown of growth-arrest-specific 7b gene (gas7b) using short-hairpin RNA desensitizes neuroblastoma cells to cisplatin: implications to prevent apoptosis of neurons. *J. Neurosci. Res.* 88: 3578-3587, 2010
- 84. Wu, Z.-Z., Sun, N.-K. and Chao, C.C.-K. Knockdown of CITED2 using short-hairpin RNA sensitizes cancer cells to cisplatin through stabilization of p53 and enhancement of p53-dependent apoptosis. *J. Cell. Physiol.* 226: 2415-2428, 2011
- 85. Chao, C.C.-K. A Search for the genes involved in resistance to cisplatin chemotherapy: Review of the experimental evidence. *Curr. Top. Pharmacol.* 14: 47-54, 2011 January [invited review article]
- 86. Chao, C.C.-K. The role of DDB2 in regulating cell survival and apoptosis following DNA damage a mini-review. In *DNA Repair* (ed., Kruman, I.), InTech: 2011 July (ISBN 978-953-307-697-3) [invited review book chapter]
- 87. Hung, F.-C., Chang, Y.-H., Lin-Chao, S. and Chao, C.C.-K. Gas7 mediates the differentiation of human bone marrow-derived mesenchymal stem cells into functional osteoblasts by enhancing Runx2-dependent gene expression. *J. Orthop. Res.* 29: 1528-1535, 2011
- 88. Chao, C.C.-K. Chondrogenic differentiation of human mesenchymal stem cells: Role of human growth-arrest-specific protein, SOX9, and extracellular signal-regulated kinase. In *Stem Cells and Cancer Stem Cells: Therapeutic Applications in Disease and Injury* (ed., Hayat, E.), Springer: 2011 [invited book chapter] dis-connected??
- 89. Kuo, T.-C.*, Lu, H.-P.* and Chao, C.C.-K. The tyrosine kinase inhibitor sorafenib sensitizes hepatocellular carcinoma cells to taxol by suppressing the HURP protein. *Biochem. Pharmacol.* 82: 184-194, 2011 (*equal contribution)
- 90. Wu, Z.-Z., Sun, N.-K., Chien, K.-Y. and Chao, C.C.-K. Silencing of the SNARE protein NAPA sensitizes cancer cells to cisplatin by inducing ERK1/2 signaling, synoviolin ubiquitination and p53 accumulation. *Biochem Pharmacol.* 82: 1630-1640, 2011
- 91. Wu, Z.-Z.*, Chow, K.-P.N.*, Kuo, T.-C., Chang, Y.-S., Chao, C.C.-K. Latent membrane protein 1 of Epstein–Barr virus sensitizes cancer cells to cisplatin by enhancing NF- B p50 homodimer formation and downregulating NAPA expression. *Biochem. Pharmacol.* 82: 1860-1872, 2011 (*equal contribution)
- 92. Kuo, T.-C., Chang, P.-Y., Huang, S.-F., Chou, C.-K. and Chao, C.C.-K. Knockdown

- of HURP inhibits the proliferation of hepatocellular carcinoma cells via downregulation of gankyrin and accumulation of p53. *Biochem Pharmacol.* 83: 758- 768, 2012
- 93. Chao, C.C.-K. Adapting new ways to escape attacks by anti-cancer drugs: Epigenetic changes and alternative splicing. *Adaptive Medicine* 4: 64-68, 2012 [invited review]
- 94. Sun, N.-K., Huang, S.-L., Chien, K.-Y. and Chao, C.C.-K. Golgi-SNARE GS28 potentiates cisplatin-induced apoptosis by forming GS28/MDM2/p53 complexes and by preventing the ubiquitination and degradation of p53. *Biochem. J.* 444: 303-314, 2012
- 95. Huang, B.-T., Chang, P.-Y., Su, C.-H., Chao, C.C.-K. and Lin-Chao, S. Deficiency of Gas7 in mice reveals motor coordination defects due to abnormal motor neuron function and muscle fiber composition during aging. *PLoS ONE* 7(5): e37702, 2012 [doi:10.1371/journal.pone.0037702] IF=4.092
- 96. Lu, H.-P. and Chao, C.C.-K. Cancer cells acquire resistance to anticancer drugs: An update. *Biomed. J.* 35: 479-491, 2012 [invited review]
- 97. Hung, F.-C., Cheng, Y.-C., Sun, N.-K. and Chao, C.C.-K. Identification and characterization of zebrafish gas7 gene in early development. *J, Neurosci. Res.* 91:51-61, 2013 [doi: 10.1002/jnr.23145. Epub 2012 Oct 22]
- 98. Chao, C.C.-K, Hung, F.C. and Chao, J.J. Gas7 is required for mesenchymal stem cell-derived bone development. *Stem Cells Int.* vol. 2013, Article ID 137010, 6 pages, 2013. doi:10.1155/2013/137010 [invited review] [originally for cancelled special issue: "New insights into bone development and repair and mesenchymal stem cell differentiation" (eds., Gaël Y. Rochefort, Laoise Mcnamara, Bruno Péault)]
- 99. Sun, N.-K., Huang, S.-L., Chang, T.-C. and Chao, C.C.-K. Sorafenib induces apoptosis in endometrial carcinoma cells by inhibiting Elk-1-dependent Mcl-1 gene expression and by inducing Akt/GSK3β-dependent Mcl-1 protein degradation. *J. Cell. Biochem.* 114: 1819-1831, 2013
- 100. Chang, P.-Y.*, Wu, Z.-Z.*, Sun, N.-K. and Chao, C.C.-K. EBV-encoded LMP-1 sensitizes nasopharyngeal carcinoma cells to genotoxic drugs by down-regulating Cabin1 expression. *J. Cell. Physiol.* 229: 309-322, 2014 (first online: 22 Nov. 2013, DOI: 10.1002/jcp.24448) (*equal contribution)
- 101. Sun, N.-K.*, Huang, S.-L.*, Chang, P.-Y., Lu, H.-P. and Chao, C.C.-K.

 Transcriptomic profiling of taxol-resistant ovarian cancer cells identifies

 FKBP5 and the androgen receptor as critical markers of chemotherapeutic response. *Oncotarget* 5: 11939-11956, 2014 (*equal contribution)
- 102. Chao, C.C.-K. Mechanisms of p53 degradation. *Clinica Chimica Acta* 438: 139-147, 2015 (first online: 13 Aug. 2014, doi: 10.1016/j.cca.2014.08.015)

- [invited review] IF=2.764 Linking p53 degradation to cancer chemoresistance (a mini-review)
- 103. Lin, Y.-T., Lu, H.-P. and Chao, C.C.-K. Oncogenic c-Myc and prothymosin-alpha protect hepatocellular carcinoma cells against sorafenib-induced apoptosis. *Biochem. Pharmacol.* 93: 110-124, 2015 (first online: 3 Nov. 2014, DOI:10.1016/j.bcp.2014.10.012)