

周平坤简历

周平坤，男，1963年9月出生，湖南衡山人，医学博士。军事医学科学院放射与辐射医学研究所研究员、博士生导师、研究所学术委员会主任，国家“973”项目首席科学家、国家杰出青年基金获得者。



1985年7月毕业于湖南医学院（现中南大学湘雅医学院）医学系，医学学士学位；1990年7月毕业于军事医学科学院生物化学专业，医学硕士学位；2004年7月毕业于军事医学科学院卫生毒理学专业，医学博士学位；1994-1995，英国曼彻斯特 Paterson 癌症研究所放射生物与实验肿瘤研究室访问学者；1998-2000，法国巴黎居里研究所基因毒理与染色质重构实验室客座研究员。

主要学术兼职有国际放射防护委员会（ICRP）第1委员会委员，中国毒理学会副理事长兼秘书长，中国核学会理事，中华医学会放射医学与防护学分会常委，Radiation & Environmental Biophysics(德国) 副主编，国内多家学术刊物编委。

学科专业：放射生物学与辐射防护；科研方向：细胞DNA辐射损伤修复、低剂量辐射效应与辐射致癌危害评价。承担了国际原子能机构协作项目、国家“973”项目（首席科学家）、国家重大科技专项、国家自然科学基金杰出青年基金等课题研究。发表科研论文150余篇，获军队科学技术进步奖二等奖3项、国家发明专利5项。

近年发表科研论文目录：

Zhang SM, Sun Y, Fan R, Xu QZ, Liu XD, Zhang X, Wang Y, Zhou PK. HIV-1 Tat regulates cyclin B1 by promoting both expression and degradation. *FASEB J*, 2009, Oct 13, Epub ahead of print.

Hu YC, Yang ZH, Zhong KJ, Niu LJ, Pan XJ, Wu DC, Sun XJ, Zhou PK, Zhu MX, Huo YY. Alteration of transcriptional profile in human bronchial epithelial cells induced by cigarette smoke condensate. *Toxicol Lett*, 2009, 190(1):23-31.

Zhou PK, Sun Y, An J. Interaction between viral proteins and hosts and its disturbance in the cellular responses to ionizing radiation. *Int J Radiat Biol*, 2009, 85(7): 587-597.

Ding KK, Shang ZF, Hao C, Xu QZ, Shen JJ, Yang CJ, Xie YH, Qiao C, Wang Y, Xu LL, Zhou PK. Induced expression of the IER5 genes by γ -ray irradiation and its involvement in cell cycle checkpoint control and survival. *Radiat Environ Biophys*, 2009, 48(2):205-213.

Ding K, Yang C, Shen J, Xu L, Li Y, Zhou P, Zeng Y. Gamma-ray Up-regulated Holocarboxylase Synthetase Gene. *Cell Mol Neurobiol*, 2009, 29(3):383-389.

Chen Y, Jin CZ, Zhang XQ, Ge SL, Zhang ZY, Xu H, Liu XL, Wu DC, Zhou PK. Seventeen-year follow-up study on chromosomal aberrations in five victims

- accidentally exposed to several Gy of ^{60}Co γ -rays. *Radiat Environ Biophys*, 2009, 48(1):57-65.
- Xu QZ, Ding KK, Chen Y, He XP, Long XH, Wang Y, Zhou PK. Distinct and Overlapping Transcriptional Profiles in Human Lymphoblastoid Cells Exposed to 0.5, 2.0 and 10 Gy of γ -rays irradiation. *The Proceedings of the China Association for Science and Technology*, Science Press / Science Press USA Inc, 2009; 5:26-35.
- An J, Yang DY, Xu QZ, Zhang SM, Huo YY, Shang ZF, Wang Y, Wu DC, Zhou PK. DNA-dependent protein kinase catalytic subunit modulates the stability of c-Myc oncoprotein. *Molecular Cancer*, 2008, 7:e32 (1-12).
- Huo YY, Li G, Duan RF, Gou Q, Fu CL, Hu YC, Song BQ, Yang ZH, Wu DC, Zhou PK. PTEN deletion leads to deregulation of antioxidants and increased oxidative damage in mouse embryonic fibroblasts. *Free Radical Biology Medicine*, 2008, 44:1578-1591.
- Zheng H, Chen ZW, Wang L, Wang SY, Yan YQ, Wu K, Xu QZ, Zhang SM, Zhou PK. Radioprotection of 4-hydroxy-3,5-dimethoxybenzaldehyde (VND3207) in culture cells is associated with minimizing DNA damage and activating Akt. *Eur J Pharmaceut Sci*, 2008, 33:52-59.
- Huo YY, Zhou PK, Wu DC. Increased Smad7 expression and its significance to proliferation and TGF- β mediated cell growth suppression in human bronchial epithelial carcinogenesis. In: *Tumorigenesis Research Advances*. Chief Editor: DK Wang. Nova Science Publishers, Inc. ISBN-13: 978-1-60021-817-1, ISBN-10: 1-60021-817-2, 2007, pp179-200.
- Yan YQ, Zhang B, Wang L, Xie YH, Peng T, Bai B and Zhou PK. Induction of apoptosis and autophagic cell death by the vanillin derivative 6-bromine-5-hydroxy-4-methoxybenzaldehyde is accompanied by the cleavage of DNA-PKcs and rapid destruction of c-Myc oncoprotein in HepG2 cells. *Cancer Letters*, 2007, 252: 280-289.
- Long XH, Zhao ZQ, He XP, Wang HP, Xu QZ, An Jing, Bai B, Sui JL, and Zhou PK. Dose-dependent expression changes of early response genes to ionizing radiation in human lymphoblastoid cells. *Int J Mol Med*, 2007, 19(4): 607-616.
- Huo YY., Hu YC, He XR, Wang Y, Song BQ, Zhou PK, Zhu MX, Li G and Wu DC. Activation of extracellular signal-regulated kinase by TGF- β 1 via T β RII and Smad7 dependent mechanisms in human bronchial epithelial BEP2D cells. *Cell Biology Toxicology*, 2007, 23(2): 113-128.
- Yan YQ, Xu QZ, Wang L, Sui JL, Bai B, Zhou PK. Vanillin derivative 6-bromine-5-hydroxy-4-methoxybenzaldehyde-elicited apoptosis and G2/M arrest of Jurkat cells proceeds concurrently with DNA-PKcs cleavage and Akt inactivation. *Int J Oncology*, 2006, 29:1167-1172.
- Ding XM, Duan YY, Peng CS, Feng HS, Zhou PK, Meng JG, Xue ZQ, XU QZ. Dexamethasone treatment attenuates early seawater instillation-induced acute lung injury rabbits. *Pharmacological Research*, 2006, 53:372-379.
- Sun Y, Huang YC, Xu QZ, Wang HP, Bai B, Sui JL, Zhou PK. HIV-1 Tat depresses DNA-PKcs expression and DNA repair, and sensitizes cells to ionizing radiation. *Int J Radiat Oncol Biol Physics*, 2006, 65(3): 842-850.
- Wang HP, Long XH, Sun ZZ, Rigaud O, Xu QZ, Huang YC, Sui JL, Bai B, Zhou PK. Identification of differentially transcribed genes in human lymphoblastoid cells irradiated with 0.5 Gy of γ -ray and the involvement of low dose radiation inducible CHD6 gene in cell

- proliferation and radiosensitivity. *Int J Radiat Biol*, 2006, 82(3): 181-190.
- Liu F, Yu ZJ, Sui JL, Bai B, Zhou PK. siRNA-mediated silencing of *CSB* potentiates radiation-induced apoptosis and antiproliferative effect in HeLa cells. *Chinese Med J*, 2006, 119(9):731-739.
- An J, Xu QZ, Sui JL, Bai B, Zhou PK. Down-regulation of c-myc protein by siRNA-mediated silencing of DNA-PKcs in HeLa cells. *Int J Cancer*, 2005, 117, 531-537.
- An J, Xu QZ, Sui JL, Bai B, Zhou PK. Silencing of DNA-PKcs alters the transcriptional profile of certain signal transduction genes related to proliferation and differentiation in HeLa cells. *Int J Mol Med*, 2005, 16(3): 455-462.