



中山大學 医学院  
SUN YAT-SEN UNIVERSITY SCHOOL OF MEDICINE

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## 周忠卫

副教授



周忠卫博士，现任中山大学医学院副教授，硕士生导师。2002年和2005年先后于兰州大学生命科学学院获本科和硕士学位；于2013年取得德国耶拿大学博士学位，师从欧洲科学院院士Zhao-Qi Wang教授。2005年至2008年，在中国科学院遗传与发育生物研究所从事研究实习员工作；博士毕业后，在德国莱布尼兹研究院衰老研究所从事博士后工作。2017年获聘中山大学“百人计划”引进人才，医学院独立课题组组长（PI）、学术带头人。

细胞内DNA时刻面临由内源和外部因素引发的损伤。DNA损伤激活DNA损伤应答信号通路 (DNA damage response pathway, DDR)。DDR通路调控包括细胞周期、损伤修复、基因转录、凋亡或自噬等过程,以维持基因组稳定性、组织稳态并防止疾病如癌症的发生。DDR通路的缺陷或关键分子的突变,引发各种染色体不稳定性综合症。肿瘤易感、免疫缺陷、神经缺陷(包括小头症和神经退行性病变)及早衰是这些综合症的主要症状。目前主要研究DNA损伤应答分子在调控神经发育及关联疾病的作用机理。相关研究成果已发表在*Nature Cell Biology*, *Cell Stem Cell*, *Cell Research*, *Molecular Cell*, *Nature Communications*, *EMBO J*, *Cell Report*, *PLoS Genetics*, *DNA Repair*等多种国际学术杂志和期刊上。发表的科研论文影响因子累计超过130分。

研究的主要内容包括: 1) 神经干细胞命运决定与小头症(Microcephaly)的致病机理; 2) DNA损伤修复缺陷与神经退行性病变; 3) DNA损伤累积在癌症发生和衰老中的作用机制。

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## 著作

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## 研究方向

DNA损伤修复缺陷与疾病

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