张宏权 教授

研究领域: 靶向肿瘤转移和肿瘤干细胞的抗肿瘤药物筛选

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个人简历

男，1963 年出生。北京大学教授、博士生导师。北京大学肿瘤研究中心副主任，北京大学基础医学院人体解剖与组织胚胎学系主任，分子细胞生物学与肿瘤生物学实验室主任，北京大学系统生物医学研究所肿瘤转移研究室主任，北京大学医药分析中心活细胞功能分析实验室主任。1991 年在北京军事医学科学院生物工程研究所暨解放军分子遗传学中心从事人尿激酶的基因工程研究，并在分子遗传学领域获博士学位。1994-1998 年在美国德克萨斯大学MD Anderson Cancer Center 和美国佛吉尼亚大学Cancer Center 做博士后。1998 - 2008 在瑞典卡罗琳斯卡医科大学(Karolinska Institutet)病理系做客座研究员(获瑞典Wenner Grenn 基金会资助)和助理教授、副教授。长期从事恶性肿瘤转移的分子细胞生物学机制和转化医学意义的研究。曾获军队科技进步一等奖、军事医学科学院优秀青年科技工作者称号、军事医学科学院立三等功一次。现任北京大学基础医学院、药学院、第三医院、肿瘤研究中心等学术委员会委员。中国抗癌协会肿瘤转移专业委员会副主任委员，中国抗癌协会肺癌专业委员会委员，中国生理学会基质生物学专业委员会侯任主任委员，中国解剖学会常务理事，北京解剖学会副理事长。《中国科学-英文版》，《解剖学报》，《北京大学学报-医学版》， Thorac. Cancer 编委，《中国组织化学与细胞化学杂志》副主编。

主要研究领域

1.跨膜受体整合素及其相互作用蛋白在胚胎发育和肿瘤发生发展中的作用和机理研究

2.肿瘤侵袭和转移的分子细胞生物学机制

3.肿瘤干细胞和EMT调控的分子机制

4.含FERM结构域蛋白质的结构和生物学功能研究

5.肿瘤侵袭和转移相关蛋白质的翻译后修饰与肿瘤的侵袭和转移

代表性论文

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2. Zhaoli Liu, Danyu Lu, Xiang Wang, Junhu Wan, Chang Liu, and Hongquan Zhang*. Kindlin-2 phosphorylation by Src at Y193 enhances Src activity and is involved in Migfilin recruitment to the focal adhesions. FEBS Lett. 589:2001-2010, 2015. IF:3.2

3. Chang Liu, Shuai Li, Xiaoyan Dai, Ji Ma, Junhu Wan, Hao Jiang, Peng Wang, Zhaoli Liu and Hongquan Zhang*. PRC2 regulates RNA polymerase III transcribed non-translated RNA gene transcription through EZH2 and SUZ12 interaction with TFIIIC complex. Nucleic Acids Research, 43:6270-6284,2015. IF:9.12

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11.Hu J, Niu M, Li X, Lu D, Cui J, Xu W, Li G, Zhan J, Zhang H*. FERM domain-containing protein FRMD5 regulates cell motility via binding to integrin β5 subunit and ROCK1. FEBS Lett. 2014 Nov 28;588(23):4348-56. doi: 10.1016/j.febslet.2014.10.012. Epub 2014 Oct 18.

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16. Wei X, Wang X, Xia Y, Tang Y, Li F, Fang W, Zhang H*. Kindlin-2 regulates renal tubular cell plasticity by activation of Ras and its downstream signaling. Am J Physiol Renal Physiol. 306: F271-F278, 2014. IF:4.2

科研项目