**Chaoliang Diao 刁朝良**

|  |  |
| --- | --- |
| Dalian Medical University | Phone: +86 18940999021 |
| Institute of Cancer Stem Cell | Email: <dior30102@gmail.com> |
| No.9 West Section Lvshun South Road, Dalian | Website: <https://cldiao.github.io> |

***Research interests***

1. Exploration of related molecular mechanisms, expression regulation, signal transduction and clinical significance of key tumor genes in tumorigenesis and development.
2. The mechanism of drug resistance and self-renewal of cancer stem cells in tumorigenesis and development.
3. Application of high-throughput sequencing and omics techniques to explore the occurrence and development of tumors

***Education***

|  |  |
| --- | --- |
| 2016-2019 | **Master of Science in Cell Biology;**  **Institute of Cancer Stem Cell;** Dalian Medical University |
|  | Advisor: Wei Guo; Wuguo Deng |
| 2012-2016 | **Bachelor of Science in Biological Sciences;**  **College of Life Sciences;** Henan University |

***Research experience***

|  |  |
| --- | --- |
| 2016- | The discovery and identification of synergizing regulatory factors of hTERT in colon cancer development (in research, supported by NSFC: 81572706)  BPTF modulates hTERT signaling and cancer stem cell traits in hepatocellular carcinoma development(partial participation)  Advisor: Wei Guo; Wuguo Deng;  **Institute of Cancer Stem Cell**; Dalian Medical University |
| 2015-2016 | Research on application of CRISPR/Cas9 Technology in Cotton Genome Function  Advisor: Wei Gao;  State Key Laboratory of Cotton Biology; Henan University |
| 2013-2016 | Verification and Analysis of Genetic Improvement of Stress Resistance in Transgenic Cotton  Advisor: Shouming Xu;  State Key Laboratory of Cotton Biology; Henan University |

***Skills***

Cell Biology: Immubohistochemistory, Immunofluorescence, Co-Immunoprecipitation, Pull Down, ChIP, Luciferase Assays, Flow Cytometry, Lentiviral Transduction, DNA/RNA Transfection, Gene Silencing, Mouse model

Cancer Research: Cell Signaling, Apoptosis, Cell Proliferation, Cell Imaging, Cell stemness, migration, invasion

Molecular Biology: PCR, Plasmid construction

R, CET6: 468.

***Publications***

1. Zhao, X., Zheng, F., Li, Y., Hao, J., Tang, Z., Tian, C., Yang, Q., Zhu, T., **Diao, C.**, and Zhang, C.J.R.B. (2018). [BPTF promotes hepatocellular carcinoma growth by modulating hTERT signaling and cancer stem cell traits](https://www.sciencedirect.com/science/article/pii/S2213231718306505).