

Weifeng Ding, Ph. D

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March 4, 2019

Dear Dr. Ding:

I am very excited at the opportunity to collaborate with and serve as a co-investigator on your National Natural Science Foundation application entitled “Molecular mechanism of colorectal cancer caused by the driving axis of KRAS mutation/ZNF229 DNA methylation and its methylation biomarker research”.

As you know, my current research focuses on genetic and epigenetic biomarker identification and interaction analysis between genetic variants and epigenetic variants. Recently, my research of cell-free DNA methylation research have been accepted by Nature Genetics and my new disease gene mapping genetic analysis method have been accepted by Blood. According to our previous close coloration, I’d like to give all my support from bioinformatics analysis and population genetics analysis and other idea and research strategy support on your project: “Molecular mechanism of colorectal cancer caused by the driving axis of KRAS mutation/ZNF229 DNA methylation and its methylation biomarker research”.

I believe our our collaboration on KRAS mutation and ZNF229 mutation will provide better pathogenesis understanding and precision medicine to colon cancer. In this project, I will collect the mutation and DNA methylation data from TCGA and FM project and conduct interaction between DNA methylation and somatic mutation in high-dimension level. I will also provide other related bioinformatics and statistics services related to the proposed studies in this application.

I am deeply committed to the success of this research project. I look forward to working with you and other investigators on this important study.

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