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*Editor*

*JoVE*

**Manuscript “*Integration of bioinformatics approaches and experimental validations to understand the role of Notch signaling in ovarian cancer*”**

Dear Dr. Ronald Myers,

Thanks a lot for your invitation. We really appreciate your help and the great opportunity. Here, please find the attached manuscript entitled “Integration of bioinformatics approaches and experimental validations to understand the role of Notch signaling in ovarian cancer” for publication as a protocol article in *JoVE*.

Notch signaling is a highly conserved regulatory pathway involved in many cellular processes. Dysregulation of this signaling pathway often leads to interference with proper development and may even result in initiation or progression of cancers in certain cases. Bioinformatics is a useful way to extract smaller pieces of information from large-scale datasets. Through the implementation of various bioinformatics approaches, researchers can quickly, reliably, and efficiently interpret these large datasets, yielding insightful applications and scientific discoveries. Here, we present a protocol for integration of bioinformatics approaches to investigate the role of Notch signaling in ovarian cancer. Furthermore, we demonstrate validation of bioinformatics findings through experimentation.

We believe that this article will help scientists use bioinformatics approaches for their scientific designs and discoveries, it will attract profound interest from scientists and physicians working in the cancer research field and is therefore appropriate for inclusion in a professional protocol journal like *JoVE*.

We certify that none of the material has been published or is under consideration elsewhere.

The manuscript has been seen and approved by all listed authors. We would very much appreciate consideration of our paper for publication in *JoVE*. Thank you for your time and we look forward to your response.

Sincerely yours,

A handwritten signature in blue ink, appearing to read "Dongyu Jia".

Dongyu Jia