May 23rd, 2020

Dear editor,

We would like to submit our original article entitled *‘****Identification of differentially expressed genes in Cushing's disease by integrated bioinformatics analysis****’* as a de novo submission, which we wish to be considered for publication in ***Journal of Translational Medicine***.

In this work, we downloaded data from the Gene Expression Microarray (GSE93825) from the Gene Expression Omnibus (GEO) Database. Differentially expressed genes of different tumor sizes and ages were obtained through GEO2R. Using the DAVID database, Cytoscape and String platforms to perform functional enrichment analysis and protein-protein interaction (PPI) network analysis on selected differential genes. Finally, we identified that different gene expression profiles of Cushing's disease are related to their clinical characteristics-tumor size and age, which may provide a theoretical basis for studying the molecular pathophysiology of Cushing's disease and the differential response of drug treatment between individuals, and may pave the way for targeted precision therapy. In addition, the hub genes found in the study may be used for accurate diagnosis and treatment of Cushing's disease. We hope this paper is suitable for ***Journal of Translational Medicine***.

The following is a list of possible reviewers for your consideration:

1) Shereen Ezzat E-mail: shereen.ezzat@utoronto.ca

2) Martin Reincke E-mail: martin.reincke@med.uni-muenchen.de

3) D. Yoshida E-mail: dyoshida@nms.ac.jp

We promise that all authors have read and approved the submission of the manuscript and manuscript has not been published and is not being considered for publication elsewhere, in whole or in part, in any language, except as an abstract. There’s no financial conflict or affiliation with any individuals and organization on this submitted manuscript. If accepted, it will not be published elsewhere including electronically in the same form, in English or in any other language, without the written consent of the copyright-holder. ***Journal of Translational Medicine*** has been one of our favorite journals. We hope we can have a chance to share our ideas with others in this journal.

Please contact me if you have any questions or need any additional information. Thank you very much for your consideration and looking forward to hearing from you at your earliest convenience.

Sincerely yours,

Lan Sun, M.D.

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