Reviewer's report

Title: Preparing the Next-Generation of Genomicists: A Laboratory-Style Course in Medical Genomics

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Reviewer: Kevin Sweet

Reviewer's report:

This is a timely and well written manuscript of descriptive work on a hands-on laboratory genomics course designed to train medical students, medical genetic residents, and graduate students. This approach to teaching genomics is unique, and the report provides necessary detail and instruction in the Supplemental Material such as including preparatory coursework, discussion of, and approaches to optionally preparing students for exclusion of regions for variant data they do not wish to learn about; offering genetic counseling; and maintaining privacy. The Methods are sound. Limitations are clearly stated. This comprehensive approach will allow others to develop a similar teaching model for medical students, etc, even genetic counselors in training. There is also a section on Lessons Learned which is quite informative.

Might suggest the authors provide results from the 2013, 2014 cohorts as they allude to these results in the manuscript.

Level of interest: An article of importance in its field

Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:

'I declare that I have no competing interests'