Genomic Medicine

PhD block course for the PhD Program Molecular and Translational Biomedicine
November 27 – December 1 2017 in Zurich

Student Exercise 2

Kalia, S.S., Adelman, K., Bale, S.J., Chung, W.K., Eng, C., Evans, J.P., Herman, G.E., Hufnagel, S.B., Klein, T.E., Korf, B.R., McKelvey, K.D., Ormond, K.E., Richards, C.S., Vlangos, C.N., Watson, M., Martin, C.L. and Miller, D.T. 2017. Recommendations for reporting of secondary findings in clinical exome and genome sequencing, 2016 update (ACMG SF v2.0): a policy statement of the American College of Medical Genetics and Genomics. *Genetics in Medicine* 19(2), pp. 249–255.

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Assignment:

1. Read the paper and discuss it in your group.
2. Prepare a 10 min presentation of the paper w.r.t. the decision process of adding / removing genes.
3. Before the presentation of the paper explain the problem of incidental findings and present it in 5 min:
    a. Why are incidental findings problematic? Make at least one concrete example.
    b. Discuss the potential of incidental findings outside the domain of human genetics – where could a similar situation arise?
    c. What are pharmacogenomics (PGx) variants which could fall under the same umbrella? Explain briefly.

After your presentation, there will be a discussion of 10-15 min.

Note: All time limits are sharp – we will interrupt you.