

### **Editorial**

# In Line with the Worldwide Consensus about Genetic Tests for Sporting Talent Identification

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Easily, we can find on the internet companies providing services related to athletes "genetics panels", promising selection of sports talent, to individualize physical training and to improve athletes performance.

As the Professor Claude Bouchard has already predicted, we are fully convinced of the importance of genetics in Physical performance. Besides that, it is undeniable that there are already important evidences showing that some genetic polymorphisms can be favorable to advantageous physiological responses to certain sports disciplines, based in observational and experimental studies. However, there is not enough experimental evidences to support a previous genetic test approach to help on selection of young talents or improving sports performance through a personalized training based in genotypes [1–3].

Besides that, the commercial feature that those tests assumed became them absurdly superiors as they are now. Companies consider their tests as lends of physical capacity, minimizing all the serious scientific work accomplished or physiologists over the last years. Because of this important commercial problem created, the most important researches in Genetic of Physical performance published some consensus [4–6] in the last years.

In line with this ethical effort, we at Austin Sports medicine, alert the professionals related on sports performance that the inter individual variability measured by limited genetic tests must be more deeply studied before to be applied on talents selection, with the risk of injuring ethical principles as well cause irreparable psychologies damages to a subject considered in eligible.

We know that the genomics tools came to improve but NEVER REPLACE, the knowledge, experience and the sensibility of the coaches about physical development.

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