

EDITORIAL

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Can gene doping support humans in the confrontation with super humanoid AI?

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Russian Federation athletics has been plunged into one of the most explosive doping scandal in sporting history [6]. Bearing in mind the history of sport in USSR, it is no great surprise to the authors who detect and fight doping in sport. However, are we able to see a new context if, in thought experiment, we look at, for example, gene doping from the perspective of 2050?

Gene or cell doping is defined as the non-therapeutic use of genes, genetic elements and/or cells that have the capacity to enhance athletic performance [7]. It is forbidden since 2004 because it is clear it remains the concern for the health of athletes and the interest to avoid a situation in elite sport where athletes are taking unnecessary risks with their lives [2]. Gene doping may relate to numerous motoric abilities such as muscle growth and maximal power contraction [5], oxygen delivery [8], glucose metabolism [4], etc., but it may also be supported by nanotechnology as well as the use of artificial muscles and blood substitute.

Since Samantha West, the American telemarketing computer program who denies in 2013 she is a robot, it should be absolutely clear that the fast-learning neural networks use of chatbots within the field of health promotion has a large potential [1] and at a certain stage of complexity and development they may start to treat humans as their competition. Hawking points out that in the near future AI as well as chatbots may present real danger [3].

It could be hypothesized that in this case the transitional point will be a situation in which a robot will be able to make a decision to “switch off” the human life.

Undoubtedly, predictions made by the specialists at AI Robotic Researchers on Hawking’s initiative are very pessimistic in this respect. „In summary, we believe that AI has great potential to benefit humanity in many ways, and that the goal of the field should be to do so. Starting a military AI arms race is a bad idea, and should be prevented by a ban on offensive autonomous weapons beyond meaningful human” [3].

Some experts are of the opinion that it is now that the black scenario as well as whether or not gene doping could play some role in it should be analysed in detail. For example, in the far future it could be a chance in a possible confrontation with super humanoids AI, which, materially, for that matter, puts AI humanoids in a privileged position. Is this perspective absolutely unreasonable? An ignorer would say yes.

Being faithful to the idea of purity in sport, we suggest having a debate on the above subject, given the fact how dynamic the technological development with regard to work on AI is.

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