Genorrism - the danger that is closer each day.

genorrism [*]:

action based on genetic information aimed at causing a damage to other living beings (like a person, group of people, animals, plants); word created as a derivation from term bioterrorism [https://en.wikipedia.org/wiki/Bioterrorism] and is its subset.

* - please contact me so we can work together to make term's description more accurate, then we can promote it to Wikipedia

Rapidly dropping cost of genome sequencing with a combination of methods like CRISPR-Cas9 [http://scalaakka.blogspot.com/2015/12/jennifer-doudna-we-can-now-edit-our-dna.html] can bring into life new dangers that for now we are not aware of.

Just to enlist some of dangers:

- blackmail genetic information can be used to blackmail someone, as genome carries a lot of our intimacy [http://scalaakka.blogspot.com/2016/04/genome-new-intimacy.html] blackmailing can be very precise and painful,
- stealing of personality on the place of crime 'bad guy' can left biologic traces that will point to completely different person; sequenced (and stolen) genomic information can be used to re-produce biological parts that can by used by the police as traces,
- stealing/cloning of body parts you may be not aware of all those points written with a small font while sending
 your saliva for sequencing or genome file for analysis, you may be not aware that part of the process is to move your
 genomic information to some country that does not respect international laws; that leaves open door for some
 company to keeps your genome forever ... and by accident, while visiting some exotic country, you may meet some
 person with eyes very similar to yours, or with same liver, things are getting worst when you will meet clone of your
 child only because you have got very good genes (so good that worth to copy),
- causing disease and/or death produced virus or bacteria, left on your street, can very precisely cause you to catch
 disease that will destroy your chances to get a job (that you are currently in recruitment process), you or whole your
 ethnic group may be also eliminated (killed) in the same way.

Market evolution that I can predict:

- 1. [very important place, just continue to read]
- 2. dropping a cost of sequencing will make it very popular,

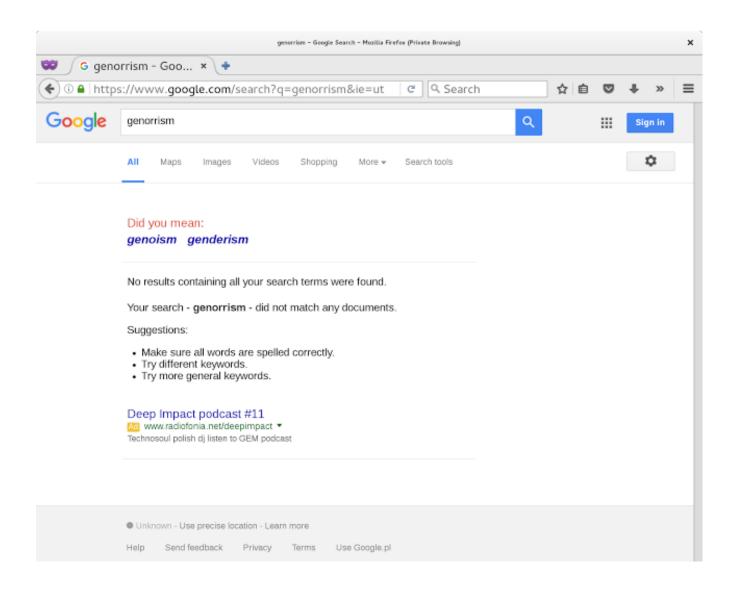
- 3. genome analysis market will growth (or simply, it will blow),
- 4. harvested genomic/genetic information can be used in a good or bad way (genorrism is about a bad way),
- 5. inverse market will blow: putting edited genomes back into cells will become easy; again, that can be used in a good or a bad way.

When should we act? Exactly now, that is at point [1] of above list. The time for establishing right processes, procedures and tools is now (I am no mentioning here about laws and countries because lack of consistency here opens doors for all bad behaviours we can ever imagine - I can't wait when we, as a humanity, will speak with one voice).

Also the great work on human's awareness needs to be done as something that once leaked to the Internet can not be removed from there.

If you care please check other posts tagged with SafeGenome [http://scalaakka.blogspot.com/search/label/SafeGenome] where I describe tools to deal with the problem.

PS 1: before writing this post, while I was checking at Google I discovered that I am the creator of this infamous term "genorrism". Let's hope it will stay like that for a long time.



[https://1.bp.blogspot.com/-fvONs-6HYRg/VytE_FzkxgI/AAAAAAAB-Js/nAU0TX9nU4ExUSEen42QPpJUSiChkbJQQCLcB/s1600/2016-05-01_term_genorrism_in_Google_Artur_Stanek.png]

PS 2: don't be surprise when VIPs will start to use restaurants with "genome safety" certificate; that means that after leaving no genome information will stay, all possible traces (like finger print on the cup, saliva on the spoon or a hair accidentally left on the chair) will be cleaned before next client(s)

Posted 5th December 2015 by Artur Stanek (kermitas)

Labels: bioinformatics, bioterrorism, genomics, genorrism, ideas-for-genomics-project, non web find, prediction, SafeGenome

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