

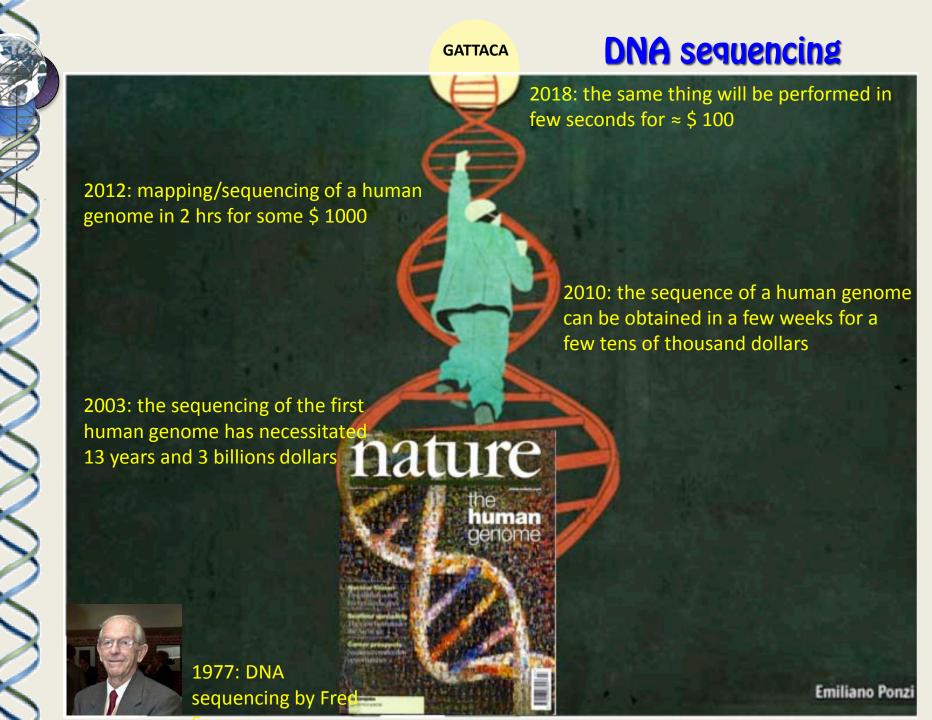
Genomics and predictive medicine





The road to genomic medicine is paved with challenges and uncertainty

MacArthur DG, Lek M. (*Trends Genet.* 2012; **28**: 303-305)





DNA sequence: a challenge to our understanding

Mardis Genome Medicine 2010, 2:84 http://genomemedicine.com/content/2/11/84

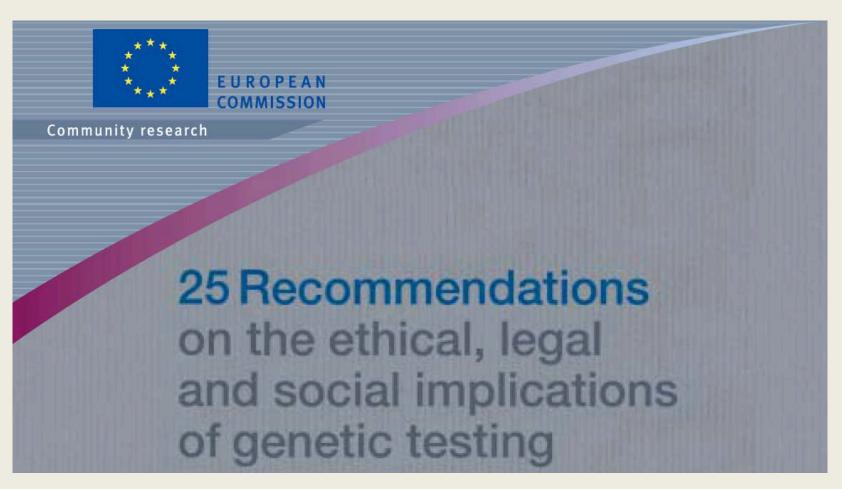


MUSINGS

The \$1,000 genome, the \$100,000 analysis?

Elaine R Mardis*







Medical profiling and online medicine:

the ethics of 'personalised healthcare' in a consumer age

NUFFIELD COUNCIL™ BIOETHICS



2011



Increasing options, informing choice: A report on preconception genetic testing and screening.

by the Human Genetics Commission. April 2011



Deutscher Ethikrat

Berlin, 7 May 2012

Is genetic testing helpful in combating common severe diseases?

On 3 May 2012 the German Ethics Council held a public hearing in which experts were consulted on the possibilities and limits of genetic testing for the prediction and diagnosis of widespread severe diseases. The results will be incorporated in the Opinion on the future of genetic diagnosis which the Ethics Council is currently compiling in response to a request from the Federal Government.





Ethical issues raised by high throughput techniques of human genome analysis in their medical and social uses





Temporality of the ethical debate in the fast-moving field of knowledge of our genetic heritage: a major ethical issue in itself

Limits of the information obtained from global sequencing of the human genome

"Today": uncertainty should not be overlooked, and it is a major determinant of ethical questioning.

Ethical issues linked to actual information provided by DNA sequencing

"Tomorrow": a proven knowledge of our genome will confront us with considerable choices both for our personal lives and for our society.

The issue of "what kind of world we want to live in?" is a ground floor of ethics.



Thank you for your attention



DNA crystal ball: customers, beware!