



Next generation sequencing in diagnosis

prince or pest?

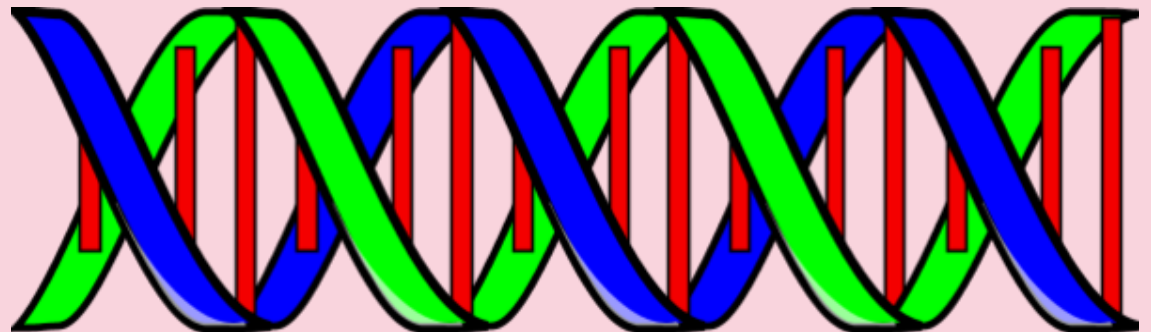
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NGS

from fiction to fact

- HUGO took 15 years and \$ 2.7 billion
- Sequencing of gene panels, exome or genome today in fraction of time and costs
- NGS is fact in Dutch medical genetics services





NGS

points of special interest

- Quality of sequencing and interpretation
- Data access
- Consent
- Incidental findings
- Blurring boundaries diagnosis–screening–research
- Level of knowledge public and professionals





NGS

Dutch political and societal context



- Free market system in health care vs budget cuts
- Right to information vs right not to know
- Prevention, civil responsibility for health vs right to open future



NGS

recommendations

- Public debate on advisability expanding use of NGS in diagnosis and screening
- Expansion of knowlegde on genetics
- Multidisciplinary approach of promise and problems





NGS

prince or pest?

