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Usage of P4 medicine

Medicine can move from a reactive to a proactive discipline over future decade—a discipline that's predictive, personalized, preventive and participatory (P4). P4 medicine is fueled by systems approaches to sickness, rising technologies and analytical tools. Recent advances in genetics have led to the fast and comparatively cheap assortment of patient molecular information as well as multiple kinds of omics information. The combination of this information with clinical measurements has the potential to impact on our understanding of the molecular basis of illness and on disease management.

- a) The use of combined data (genetics, or otherwise) about a person to predict treatment response and thereby to help improve his health.
- b) The use of combined information (genetics, or otherwise) about a person to predict illness prognosis or treatment response and thereby improve that person's health.
- c) The use of combined data (genetics, or otherwise) about a person to predict illness condition, illness prognosis or treatment response and thereby improve that person's health. Some of the foremost vital advantages include: 1) Higher medication choice. 2) Safer dosing choices. 3) Enhancements in drug development. Systems medicine is an approach to understand illness through an integration of huge patient datasets. It offers the chance for personalized ways for healthcare through the improvement of a brand new taxonomy of illness. The application of P4 medicine will be discussed in this study.

Biography

Seyed Massoud Houshmand has completed his PhD in Medical Molecular Genetic from Gothenburg University, Gothenburg, Sweden. He is the Head of the Genetic Diagnostic Laboratory, Faculty Member of National Institute for Genetic Engineering and Biotechnology and Responsible Director of *Personalized Medicine* journal. He has organized about 22 workshops and seminars and has published more than 220 papers and 17 books. He is the Winner of Best Iranian Researcher in Medical Genetic 2010, Winner of ISESCO prizes in Science & Technology 2014 and winner of Best Iranian Researcher 2015.

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