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Personalized and precision medicine as a model of healthcare of the newest generation to get armed with innovative translational platforms, new knowledge and tools, upgraded education and mentality to secure the impact of the latter

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A new systems approach to diseased states and wellness result in a new branch in the healthcare services, namely, personalized medicine (PM). To achieve the implementation of PM concept, it is necessary to create a fundamentally new strategy based upon the subclinical recognition of biopredictors of hidden abnormalities long before the disease clinically manifests itself. Each decision-maker values the impact of their decision to use PM on their own budget and well-being, which may not necessarily be optimal for society. It would be extremely useful to integrate data harvesting from different databanks for applications such as prediction and personalization of further treatment to thus provide more tailored measures for the patients resulting

in improved patient outcomes, reduced adverse events and more cost-effective use of health care resources. A lack of medical guidelines has been identified by most responders as the predominant barrier for adoption, indicating a need for the development of best practices and guidelines to support the implementation of PM. Implementation of PM requires a lot before the current model “physician-patient” could be gradually displaced by a new model “medical advisor-healthy person-at-risk”. This is the reason for developing global scientific, clinical, social and educational projects in PM to elicit the content of the new branch.

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