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Personalized and precision medicine as a unique healthcare model to secure the National and International Biosafety

A new systems approach to diseased states and wellness result in a new branch in the healthcare services, namely, personalized and precision medicine (PPM). To achieve the implementation of PM concept, it is necessary to create a fundamentally new strategy based upon the subclinical recognition of bio predictors of hidden abnormalities long before the disease clinically manifests itself.


Each decision-maker values the impact of their decision to use PPM on their own budget and well-being, which may not necessarily be optimal for society as a whole. 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 the majority of responders as the predominant barrier for adoption, indicating a need for the development of best practices and guidelines to support the implementation of PPM!

Implementation of PPM 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 the area of PPM to elicit the content of the new branch.

Speaker Biography

Sergey Suchkov is currently the Professor, Director of Center for Personalized Medicine, Sechenov University and Dept of Clinical Immunology, A.I.Evdokimov Moscow State Medical and Dental University; Professor, Chair, Dept for Translational Medicine, Moscow Engineering Physical Institute, Russia; Secretary General, United Cultural Convention, Cambridge, UK. Also he is a member of the New York Academy of Sciences, USA; American Chemical Society, USA; American Heart Association, USA; European Association for Medical Education, Dundee, UK; European Association for Predictive, Preventive and Personalized Medicine, Brussels, EU; American Association for Research in Vision and Ophthalmology; International Society for Eye Research; Personalized Medicine Coalition, Washington, USA. Finally Dr Suchkov is a member of the Editorial Boards of “Open Journal of Immunology”, EPMA J., American J. of Cardiovascular Research and “Personalized Medicine Universe”.

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