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Personalized and Precision Medicine (PPM) as a healthcare model of the newest generation based on fundamental ideas and translational applications


A new systems approach to diseased states and wellness result in a new branch in the healthcare services, namely, personalized & precision medicine (PPM). To achieve the implementation of PPM 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 completed his Graduation and MD from Astrakhan State Medical University. He completed his PhD at I.M. Sechenov Moscow Medical Academy and Institute of Medical Enzymology and Doctor Degree at National Institute of Immunology, Russia. From 1989 to 1995, he was a Head of Lab of Clinical Immunology and Immuno-biotechnology at Helmholtz Eye Research Institute in Moscow. From 1995 to 2004, he was a Chair in Department for Clinical Immunology, Moscow Clinical Research Institute (MONIKI). From 1993-1996, he was a Secretary-in-Chief of the Editorial Board, Biomedical Science, an international journal published jointly by the USSR Academy of Sciences and the Royal Society of Chemistry, UK. Presently, he is a Professor in Department of Pathology, I.M. Sechenov First Moscow State Medical University and Department of Clinical Immunology; Secretary General at United Cultural Convention(UCC), Cambridge, UK. He is an author of more than 500 publications including 10 patents and more than 10 monographs, handbooks and textbooks published in Russia and USA. He is a member of New York Academy of Sciences, USA; American Chemical Society (ACS), USA; American Heart Association (AHA), USA and European Association for Medical Education (AMEE), Dundee, UK.

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