

JOINT EVENT

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Sergey Suchkov

I M Sechenov First Moscow State Medical University, Russia

Principles of profiling as applicable to the infrastructure of continuous education system to impact for having drug design to suit an innovative model of translational pipeline

Personalized medicine (PM) as the healthcare of the future represents an innovative model for advanced healthcare and a robust platform for relevant industrial branches for diagnostics and pharmaceuticals. However, rapid market penetration of new technologies demands the implementation of reforms not only in biopharma, but also in education. Therefore, the problem of the updated education of specialists in bioengineering, drug design and affiliated fields is becoming particularly urgent, and it requires significant revision of newer programs and curricula to be updated. Modernization and integration of widely accepted standards require consolidation of both the natural and medical sciences that may become the conceptual basis for the biopharma education. The main goal of this training is to provide development of novel multifaceted approaches to build academic schools for future generations. So, a higher, secondary and primary education as a trio should be integrated into the circuit. Based on current trends and own experience, we have made the first steps towards reshuffling the canonical educational tandem "School-University" and restructuring of specialized groups (with targeted disciplines) to get the mentees to be involved into having the existing healthcare system advanced and stepped forward. Moreover, non-canonical approach has been used to create a team of young researchers and biopharma students which has been recognized as The International Research Team of Youngsters under the aegis of EPMA (Brussels, EU) and ISPM (Tokyo, Japan). The integration of the primary and secondary education provides: 1. development in the chosen direction; and 2. optimization of the jointly set activity of a student and the teacher within a pair or a tandem (mentor-mentee). The above-mentioned has pre-determining value, because under the disintegration of the world community expressed the competition in quality of the scientific intellect dramatically increases. The same occurs in the areas of quality of all of three segments of the educational process, i.e., pre-college (secondary school), university and graduate.

Biography

Sergey Suchkov graduated from Astrakhan State Medical University and awarded with MD. In 1985 he completed his Ph.D. at I M Sechenov Moscow Medical Academy and in 2001, maintained his Doctorship Degree at the Nat Inst of Immunology, Russia. From 1987 through 1989, he was a senior Researcher, Koltzov Inst of Developmental Biology. From 1989 through 1995, he was a Head of the Lab of Clinical Immunology, Helmholtz Eye Research Institute in Moscow. From 1995 through 2004, he was a Chair of the Dept. for Clinical Immunology, Moscow Clinical Research Institute. He has been trained at: NIH; Wills Eye Hospital, PA, USA; Univ. of Florida in Gainesville; UCSF, S-F, CA, USA; Johns Hopkins University, Baltimore, MD, USA. He was an Exe Secretary-in-Chief of the Editorial Board, Biomedical Science, an international journal published jointly by the USSR Academy of Sci-ences and the Royal Society of Chemistry, UK. At present, he is a Chair, Dept. for Personalized and Translational Medicine, I M Sechenov First Moscow State Medical University. He is a member of the New York Academy of Sciences, USA; American Chemical Society (ACS), USA; American Heart Association (AHA), USA; EPMA (European Association for Predictive, Preventive and Personalized Medicine), Brussels, EU; ARVO (American Association for Research in Vision and Ophthalmology); ISER (International Society for Eye Re-search); PMC (Personalized Medicine Coalition), Washington, USA.

ssuchkov57@gmail.com

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