

The Modern Pharmacological Advances in 2019 and Beyond

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In the Modern world, the field of Pharmacology has become an important aspect of science in order to understand the nature and mechanisms via which the diseases work and drugs act. This is very important basic in order to find new drugs which would help in giving tools in hands of mankind to deal with the disorders and their wide variety of nature of damaging the normal physiology of the body [1]. Pharmacology as a science is still in its nascent stage, and we need great enthusiastic pharmacologist to boost the very science which has the potential to contribute so much to medical science [2]. Academicians and scientists have to find new ways and the complete thought process needs 360-degree change in perspective to be highly result oriented in terms of industry demands.

Gone are the days where historical factsheets and monographs are used in order to progress at snails speed. We need a complete flush of thinking abilities in order to create the new phase of Pharmacological and toxicological science [3]. Regenerative Pharmacology is in publication history since 2007, but the enthusiasm for this field seems lesser attractive to the world as of now. Artificial Intelligence and Block-chain technology can help both ways in creating the better and advanced techniques with a change in eyeglasses we wear upon how we see this specific science and with the perception with which we see and act in the field of Pharmacological science [4]. Block-chain technology mentioned here is for a reason as it would help in understanding the commercial advantages the field of Pharmacological science can deliver to the research center and the technological tools to even find 'n' number of a cure for specific targeted diseases. Pharmacology relies on the simple equation of finding bullets to hit a target resulting in the cure of disease or treatment.

Pathophysiology helps us in finding how and where the disease occurs. Pharmacology can help in dealing with disease at the very first step of disease occurrence that is cell injury. Let's focus on developing pharmacological science in making our bodies ready for future diseases and take preventive measures. As known, "Prevention is better than cure".

Why not transform pharmacological science as preventive drug therapy science?

Pharmacological science can be transformed to a newer drug discoverable science as the drug targets can be influenced via new chemical entities or Phytochemicals derived from plants. Recent publications at least in India is focused on finding plant medicines as drug leads in order to cure the disease via experimenting on Animal models. However, change in group moieties and change in chemical bonds helps in developing newer lead compounds which can be used in experimentation. Drug discovery is a specialized skill and in order to boost this very skill, the requirement of better tools and techniques is needed so that right approach can be followed upon and result oriented experiments can be done across the world. Drug discovery needs patience and requires persistence of efforts without losing hope in order to find better and newer techniques and drugs which would contribute highly to mankind [5].

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