

Assessment of Barriers to the Clinical Adoption of Cell-Based Therapeutics

Authors : David Pettitt, Benjamin Davies, Georg Holländer, David Brindley

Abstract : Cellular based therapies, whose origins can be traced from the intertwined concepts of tissue engineering and regenerative medicine, have the potential to transform the current medical landscape and offer an approach to managing what were once considered untreatable diseases. However, despite a large increase in basic science activity in the cell therapy arena alongside a growing portfolio of cell therapy trials, the number of industry products available for widespread clinical use correlates poorly with such a magnitude of activity, with the number of cell-based therapeutics in mainstream use remaining comparatively low. This research serves to quantitatively assess the barriers to the clinical adoption of cell-based therapeutics through identification of unique barriers, specific challenges and opportunities facing the development and adoption of such therapies.

Keywords : cell therapy, clinical adoption, commercialization, translation

Conference Title : ICCGT 2016 : International Conference on Cell and Gene Therapy

Conference Location : Singapore, Singapore

Conference Dates : March 03-04, 2016