

# Transplantation Technology & Research: Fast-tracked Open Access Medical Science Communication Platform

Henkie P Tan\*

*University of Pittsburgh, Kidney, Pancreas, Liver Transplantation—UPMC/VAPHS Surgical Director, Kidney Transplantation—VAPHS, Starzl Transplantation Institute, Pittsburgh, USA*

Transplantation technology and associated research and development activities has great importance for safe and successful surgical treatment via organ transplantation including that of liver, heart, lungs, kidney and pancreas. Limitations posed by organ availability necessitate development of transplantation technology such as stem cell therapy, tissue engineering, cloning, immune suppression to minimize rejection, as well as xenotransplantation.

The Transplantation Technologies & Research Journal aims to provide novel insights on the current and emerging technologies in the field of transplantation. The journal tracks the progress made in robotic surgery, tissue engineering, and new innovations and covers a wider range of topics including transplantation surgery, nanotherapy, machine perfusion, mobile health technology, stem cell technology and organ restoration. The journal focuses on new technologies for successful organ transplantation including cellular therapy in transplantation, organ tolerance, organ preservation based on nanotherapy, ischemia reperfusion injury. Some of the specific topics that the journal covers include but not limited to mobile health technology in transplantation, cellular therapy in transplantation, solid organ transplantation, robotics and transplant surgery, minimally invasive transplant surgery, cellular therapy in tolerance, tissue bioengineering in transplantation, machine perfusion of organs, ex vivo organ repair, xenotransplantation, nanotherapy in organ preservation, nanotherapy ischemia reperfusion injury and composite

tissue allotransplantation. The articles published by the journal forms a reliable reference source for continuing education of physicians, surgeons, biomedical engineers, medical interns, transplant procurement technicians.

In the current volume, the Journal has published five articles contributed by fifteen authors on various topics including portable machine perfusion device, role of belatacept on organ transplantation, blood based biomarkers for liver transplant rejection, glomerulopathy in transplanted kidney. The journal has scheduled a series of special issues entitled "Transplantation reports" being edited by Muhammed Mubarak, Associate Professor, Department of Histopathology., Sindh Institute of Urology and Transplantation (SIUT), Pakistan; "Post transplantation disorders " edited by Shaoyan Hu, PhD, Professor, Department of Hematology & Oncology, The Children's Hospital, Suzhou, Soochow University, China; "Endothelial Keratoplasty" edited by Jodhbir S Mehta,

Clinician Scientist, Consultant Corneal and External Eye Disease and Refractive Service, Singapore National Eye Centre, Singapore Eye Research Institute (SERI), Singapore and ischemic reperfusion injury edited by Manuel Maglione, MD, Center of Operative Medicine, Department of Visceral, Transplant and Thoracic Surgery, Innsbruck Medical University, Austria. I extend my best wishes to the contributing authors, editors and the reviewers for the production of the upcoming regular and special issues of the Journal.

**\*Address for Correspondence:** Henkie P Tan, Associate Professor of Surgery, University of Pittsburgh, Kidney, Pancreas, Liver Transplantation—UPMC/VAPHS Surgical Director, Kidney Transplantation—VAPHS, Starzl Transplantation Institute, Pittsburgh, USA, Email: tanhp@upmc.edu

**Copyright:** © 2021 Henkie P Tan. This is an open-access article distributed under the terms of the Creative Commons Attribution License, which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited.

**Received** 26 March 2021; **Accepted** 27 March 2021; **Published** 28 March 2021

**How to cite this article:** Henkie P Tan . "Transplantation Technology & Research: Fast-tracked open access medical science communication platform." *J Transplant Technol Res* 11 (2021): e101.