

Special Issue

Lung Transplantation: Current Progress and Future Directions

Message from the Guest Editor

The Special Issue "Lung Transplantation: Current Progress and Future Directions" offers a comprehensive overview of recent advancements and emerging trends in lung transplantation. It highlights significant progress in surgical techniques, immunosuppressive therapies, and patient management strategies that have enhanced outcomes and improved survival rates. Key topics include innovations in organ preservation, personalized medicine, and novel biomarkers for the effective monitoring and prediction of transplant success. This Special Issue also addresses ongoing challenges such as managing transplant rejection and chronic lung allograft dysfunction. Notably, it discusses the integration of artificial intelligence (AI) and machine learning for enhancing clinical decision-making, optimizing donor–recipient matching, and improving post-transplant care. Future directions highlighted include potential breakthroughs in regenerative medicine, technological advancements in transplantation, the development of new technologies to optimize donor–recipient matching, and post-transplant care.

Guest Editor

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