



Marc Leon (aka Hongliang Liang) MD, PhD

Clinical Assistant Professor, Cardiothoracic Surgery

Bio

BIO

Marc Leon (also known as Hongliang Liang), M.D., Ph.D., previously served as Chief Surgeon, Associate Professor of Cardiovascular Surgery, and Director of the Division of Coronary Artery Surgery at Xijing Hospital in Xi'an, China. Currently, he is a Clinical Assistant Professor in the Department of Cardiothoracic Surgery at Stanford Hospital. Dr. Leon is a surgeon member of the Society of Thoracic Surgeons (STS), the International Society of Heart and Lung Transplantation (ISHLT), and the Chinese American Academy of Cardiology (CAAC). His clinical and research expertise includes the surgical management of cardiopulmonary failure, heart valve disease, and ischemic heart disease, along with the application of stem cell therapy for myocardial infarction. Additionally, Dr. Leon is actively engaged in exploring the application of artificial intelligence in the field of cardiovascular diseases.

ACADEMIC APPOINTMENTS

- Clinical Assistant Professor, Cardiothoracic Surgery
- Member, Cardiovascular Institute

Publications

PUBLICATIONS

- **CRISPR-Cas9 screening reveals G2E3 as a novel ubiquitin-linked factor controlling autophagosome-lysosome fusion and cancer cell progression.** *Cell death discovery*
Gong, Y., Leon, M., Mo, H., Pengpaeng, P., Yang, H., Lu, Y., Yin, Z., Benard, A., Zhou, Y., Grützmann, R., Pilarsky, C.
2025; 11 (1): 455
- **Redefining Primary Graft Dysfunction: Toward a Consensus in the New Era of Heart Transplantation.** *Transplantation*
Leon, M., Shudo, Y.
2025
- **Harnessing the Power of ChatGPT in Cardiovascular Medicine: Innovations, Challenges, and Future Directions.** *Journal of clinical medicine*
Leon, M., Ruaengsri, C., Pelletier, G., Bethencourt, D., Shibata, M., Flores, M. Q., Shudo, Y.
2024; 13 (21)
- **Revolutionizing Donor Heart Procurement: Innovations and Future Directions for Enhanced Transplantation Outcomes.** *Journal of cardiovascular development and disease*
Leon, M.
2024; 11 (8)
- **Optimizing Donor Heart Utilization Amidst Organ Shortage: Feasibility of Using Hearts Post-Long CPR.** *The Annals of thoracic surgery*
Leon, M., Shudo, Y.
2024