

## Wan Xing Hong

- Postdoctoral Medical Fellow, Oncology
- Resident in Surgery - General Surgery

### Publications

---

#### PUBLICATIONS

- **Wounds Inhibit Tumor Growth In Vivo.** *Annals of surgery*  
Hu, M. S., Maan, Z. N., Leavitt, T., Hong, W. X., Rennert, R. C., Marshall, C. D., Borrelli, M. R., Zhu, T. N., Esquivel, M., Zimmermann, A., McArdle, A., Chung, M. T., Foster, et al  
2019
- **Pathway Analysis of Gene Expression in Murine Fetal and Adult Wounds** *ADVANCES IN WOUND CARE*  
Hu, M. S., Hong, W., Januszyk, M., Walmsley, G. G., Luan, A., Maan, Z. N., Moshrefi, S., Tevlin, R., Wan, D. C., Gurtner, G. C., Longaker, M. T., Lorenz, H.  
2018
- **Embryonic skin development and repair.** *Organogenesis*  
Hu, M. S., Borrelli, M. R., Hong, W. X., Malhotra, S., Cheung, A. T., Ransom, R. C., Rennert, R. C., Morrison, S. D., Lorenz, H. P., Longaker, M. T.  
2018: 1–18
- **Prolonged survival of transplanted stem cells after ischaemic injury via the slow release of pro-survival peptides from a collagen matrix** *Nature Biomedical Engineering*  
Lee, A. S., Inayathullah, ., Lijkwan, . A., Zhao, X., Sun, W., Park, S., Hong, W. X., Parekh, M. B., Malkovskiy, A. V., Lau, E., Qin, X., Pothineni, . R., et al  
2018; 2 (2): 104–13
- **Pathway Analysis of Gene Expression of E14 Versus E18 Fetal Fibroblasts** *ADVANCES IN WOUND CARE*  
Hu, M. S., Borrelli, M. R., Januszyk, M., Luan, A., Malhotra, S., Walmsley, G. G., Hong, W., Tevlin, R., Gurtner, G. C., Longaker, M. T., Lorenz, H. P.  
2018; 7 (1): 1–10
- **An Improved Humanized Mouse Model for Excisional Wound Healing Using Double Transgenic Mice** *ADVANCES IN WOUND CARE*  
Hu, M. S., Cheng, J., Borrelli, M. R., Leavitt, T., Walmsley, G. G., Zielins, E. R., Hong, W., Cheung, A. M., Duscher, D., Maan, Z. N., Irizarry, D. M., Stephan, B., Parsa, et al  
2018; 7 (1): 11–17
- **Delivery of monocyte lineage cells in a biomimetic scaffold enhances tissue repair.** *JCI insight*  
Hu, M. S., Walmsley, G. G., Barnes, L. A., Weiskopf, K. n., Rennert, R. C., Duscher, D. n., Januszyk, M. n., Maan, Z. N., Hong, W. X., Cheung, A. T., Leavitt, T. n., Marshall, C. D., Ransom, et al  
2017; 2 (19)
- **External Beam Radiation Therapy for the Treatment of Human Pluripotent Stem Cell-Derived Teratomas.** *Stem cells (Dayton, Ohio)*  
Lee, A. S., Tang, C. n., Hong, W. X., Park, S. n., Bazalova, M. n., Nelson, G. n., Sanchez-Freire, V. n., Bakerman, I. n., Zhang, W. n., Neofytou, E. n., Connolly, A. J., Chan, C. K., Graves, et al  
2017
- **Wounds outcompete tumors for neovascularization**  
Hu, M. S., Maan, Z. N., Hong, W., Walmsley, G. G., Rennert, R. C., Atashroo, D., Gurtner, G. C., Giaccia, A. J., Lorenz, H., Longaker, M. T.  
ELSEVIER SCIENCE INC.2015: E124
- **Adipose-Derived Stem Cells Improve Engraftment of Full-Thickness Skin Grafts by Increasing Angiogenesis**  
Hu, M. S., Hong, W., Maan, Z. N., Hu, M., Zimmermann, A. S., Walmsley, G. G., Chung, M., Lorenz, H., Longaker, M. T.  
ELSEVIER SCIENCE INC.2015: S112

- **Assessment of the Radiation Effects of Cardiac CT Angiography Using Protein and Genetic Biomarkers** *JACC-CARDIOVASCULAR IMAGING*  
Nguyen, P. K., Lee, W. H., Li, Y. F., Hong, W. X., Hu, S., Chan, C., Liang, G., Nguyen, I., Ong, S., Churko, J., Wang, J., Altman, R. B., Fleischmann, et al  
2015; 8 (8): 873-884
- **A mouse fetal skin model of scarless wound repair.** *Journal of visualized experiments : JoVE*  
Walmsley, G. G., Hu, M. S., Hong, W. X., Maan, Z. N., Lorenz, H. P., Longaker, M. T.  
2015: 52297-?
- **Effect of human donor cell source on differentiation and function of cardiac induced pluripotent stem cells.** *Journal of the American College of Cardiology*  
Sanchez-Freire, V., Lee, A. S., Hu, S., Abilez, O. J., Liang, P., Lan, F., Huber, B. C., Ong, S., Hong, W. X., Huang, M., Wu, J. C.  
2014; 64 (5): 436-448
- **Gene expression in fetal murine keratinocytes and fibroblasts** *JOURNAL OF SURGICAL RESEARCH*  
Hu, M. S., Januszyk, M., Hong, W. X., Walmsley, G. G., Zielins, E. R., Atashroo, D. A., Maan, Z. N., McArdle, A., Takanishi, D. M., Gurtner, G. C., Longaker, M. T., Lorenz, H. P.  
2014; 190 (1): 344-357
- **Tissue engineering and regenerative repair in wound healing.** *Annals of biomedical engineering*  
Hu, M. S., Maan, Z. N., Wu, J., Rennert, R. C., Hong, W. X., Lai, T. S., Cheung, A. T., Walmsley, G. G., Chung, M. T., McArdle, A., Longaker, M. T., Lorenz, H. P.  
2014; 42 (7): 1494-1507
- **The Role of Hypoxia-Inducible Factor in Wound Healing** *ADVANCES IN WOUND CARE*  
Hong, W., Hu, M. S., Esquivel, M., Liang, G. Y., Rennert, R. C., McArdle, A., Paik, K. J., Duscher, D., Gurtner, G. C., Lorenz, H., Longaker, M. T.  
2014; 3 (5): 390-99
- **LOW DOSE RADIATION FROM CARDIAC COMPUTED TOMOGRAPHY IS ASSOCIATED WITH DNA DAMAGE AND CELLULAR DEATH**  
Hong, W., Lee, W., Liang, G., Chan, C., Sanchez-Freire, V., Hu, S., Longaker, M. T., Wu, J., Nguyen, P.  
ELSEVIER SCIENCE INC.2014: A1047
- **Abstract 151: short hairpin RNA interference therapy for diabetic murine wound closure and hindlimb ischemia.** *Plastic and reconstructive surgery*  
Paik, K. J., Rennert, R., Chung, M. T., Sorkin, M., Duscher, D., Atashroo, D., Chen, H., Morrison, S. D., Zimmermann, A., Nauta, A., Ko, S., Tevlin, R., Zielins, et al  
2014; 133 (3): 167-168
- **Abstract 135: improved engraftment of autologous skin grafts in diabetic mice with adipose-derived stem cells.** *Plastic and reconstructive surgery*  
Hu, M., Hong, W. X., Senarath-Yapa, K., Zimmermann, A., Chung, M., Esquivel, M., McArdle, A., Walmsley, G., Maan, Z., Garza, R., Lorenz, H. P., Longaker, M.  
2014; 133 (3): 151-?
- **Abstract 165: Enhanced Adipose-Derived Stromal Cell Osteogenesis through Surface Marker Enrichment and BMP Modulation using Magnet-assisted Transfection.** *Plastic and reconstructive surgery*  
Chung, M. T., Morrison, S. D., Paik, K. J., McArdle, A., Walmsley, G., Senarath-Yapa, K., Hu, M. S., Tevlin, R., Zielins, E., Atashroo, D., Hong, W. X., Duldulao, C., Wearda, et al  
2014; 133 (3): 181-182
- **Wound healing: an update** *REGENERATIVE MEDICINE*  
Zielins, E. R., Atashroo, D. A., Maan, Z. N., Duscher, D., Walmsley, G. G., Marecic, O., Hu, M., Senarath-Yapa, K., McArdle, A., Tevlin, R., Wearda, T., Paik, K. J., Duldulao, et al  
2014; 9 (6): 817-830
- **PDGF mediates derivation of human embryonic germ cells** *DIFFERENTIATION*  
Li, Y., Hong, W. X., Lan, B., Xu, X., Liu, Y., Kong, L., Li, Y., Zhou, S., Liu, Y., Feng, R., Jiang, S., He, Q., Tan, et al  
2013; 86 (4-5): 141-148