



Name: Ming Tan

Current Positions: Professor
Institute of Biomedical Sciences
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Education

1. West China University of Medical Sciences, China, M.D., 1985, Medicine
2. University of Texas M.D. Anderson Cancer Center and Health Science Center at Houston, USA, Ph.D., 2000, Cancer Biology
3. Postdoctoral Fellow, University of Texas M.D. Anderson Cancer Center, Houston, USA, 05/2000-02/2002

Expertise

Molecular and Cellular Oncology
Cancer Cell Metabolism
Cell Stress Responsive Signaling
Cancer Stem Cells

Research Interests

Dr. Tan's lab is studying tumor promoting genes and tumor suppressing genes in mediating cancer metabolism, signal transduction, apoptosis, metastasis, and resistance to therapeutic agents. Another emphasis of his study is on the deregulation of microRNA in cancer progression and therapeutic resistance. The ultimate goal of Dr. Tan's research is to translate the knowledge acquired in the laboratory into future novel therapeutics.

Selected Grants:

China Medical University Talent Recruiting Fund, 10651L6*, 2020/10/01-2025/07/31

Selected Publications

1. Liu Z, Zhang W, Phillips JB, Arora R, McClellan S, Li J, Kim JH, Sobol RW, **Tan M.** [Immunoregulatory protein B7-H3 regulates cancer stem cell enrichment and drug resistance through MVP-mediated MEK activation.](#) *Oncogene*. 2019 Jan;38(1):88-102. doi: 10.1038/s41388-018-0407-9. **IF= 7.971**
2. Lim S, Phillips JB, Madeira da Silva L, Zhou M, Fodstad O, Owen LB, **Tan M.** [Interplay between Immune Checkpoint Proteins and Cellular Metabolism.](#) *Cancer Research* 2017 Mar 15;77(6):1245-1249. doi: 10.1158/0008-5472.CAN-16-1647. **IF= 9.727**
3. Lim S, Liu H, Madeira da Silva L, Arora R, Liu Z, Phillips JB, Schmitt DC, Vu T, McClellan S, Lin Y, Lin W, Piazza GA, Fodstad O, **Tan M.** [Immunoregulatory Protein B7-H3 Reprograms Glucose Metabolism in Cancer Cells by ROS-Mediated Stabilization of HIF1 \$\alpha\$.](#) *Cancer Research* 2016 Apr 15;76(8):2231-42. doi: 10.1158/0008-5472.CAN-15-1538. **IF= 9.727**

4. Butler EB, Zhao Y, Muñoz-Pinedo C, Lu J, **Tan M.** [Stalling the engine of resistance: targeting cancer metabolism to overcome therapeutic resistance.](#) *Cancer Research*. 2013 May 1;73(9):2709-17. doi: 10.1158/0008-5472.CAN-12-3009. **IF= 9.727**
5. Zhao Y, Liu H, Liu Z, Ding Y, Ledoux SP, Wilson GL, Voellmy R, Lin Y, Lin W, Nahta R, Liu B, Fodstad O, Chen J, Wu Y, Price JE, **Tan M.** [Overcoming trastuzumab resistance in breast cancer by targeting dysregulated glucose metabolism.](#) *Cancer Research*. 2011 Jul 1;71(13):4585-97. doi: 10.1158/0008-5472.CAN-11-0127. **IF= 9.727**