



Jeremy Tzu-Huai Chang, MD, PhD

- Affiliate, Department Funds
- Resident in Medicine

Bio

CLINICAL FOCUS

- Residency
- Translational Investigator Program (TIP)

PROFESSIONAL EDUCATION

- BS, University of Chicago (2018)
- PhD, Rockefeller University (2024)
- MD, Weill Cornell Medicine (2026)
- Alumnus, Tri-Institutional Weill Cornell/Rockefeller/Sloan Kettering MD-PhD Program

Publications

PUBLICATIONS

- **Molecular determinants of Smc5/6 association with DNA junctions.** *Nature communications*
Chang, J. T., Miller-Browne, V., Chua, G. N., Zheng, J., Beckwitt, E. C., Li, S., Katch, B. J., O'Donnell, M. E., Liu, S., Zhao, X.
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- **Signaling induced biophysical disruption of repressed chromatin domains drives immune cell fate.** *bioRxiv : the preprint server for biology*
de Paz, A. M., Chin, C. R., Ketavarapu, M., Sun, Y., Marunde, M. R., Chang, J. T., Khan, L., Cohen, J., Yang, R., Bale, M. J., Daman, A. W., Kumar, V. E., Jiang, et al
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- **Smc5/6's multifaceted DNA binding capacities stabilize branched DNA structures.** *Nature communications*
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2022; 13 (1): 7179
- **Chromatin sequesters pioneer transcription factor Sox2 from exerting force on DNA.** *Nature communications*
Nguyen, T., Li, S., Chang, J. T., Watters, J. W., Ng, H., Osunsade, A., David, Y., Liu, S.
2022; 13 (1): 3988
- **iMIRAGE: an R package to impute microRNA expression using protein-coding genes.** *Bioinformatics (Oxford, England)*
Nath, A., Chang, J., Huang, R. S.
2020; 36 (8): 2608-2610
- **Low Referral Rate for Genetic Testing in Racially and Ethnically Diverse Patients Despite Universal Colorectal Cancer Screening.** *Clinical gastroenterology and hepatology : the official clinical practice journal of the American Gastroenterological Association*
Muller, C., Lee, S. M., Barge, W., Siddique, S. M., Berera, S., Wideroff, G., Tondon, R., Chang, J., Peterson, M., Stoll, J., Katona, B. W., Sussman, D. A., Melson, et al

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- **Discovering drugs to overcome chemoresistance in ovarian cancers based on the cancer genome atlas tumor transcriptome profile.** *Oncotarget*

Wang, F., Chang, J. T., Zhang, Z., Morrison, G., Nath, A., Bhutra, S., Huang, R. S.

2017; 8 (70): 115102-115113

- **Identification of MicroRNAs as Breast Cancer Prognosis Markers through the Cancer Genome Atlas.** *PloS one*

Chang, J. T., Wang, F., Chapin, W., Huang, R. S.

2016; 11 (12): e0168284

- **High Expression of miR-532-5p, a Tumor Suppressor, Leads to Better Prognosis in Ovarian Cancer Both In Vivo and In Vitro.** *Molecular cancer therapeutics*

Wang, F., Chang, J. T., Kao, C. J., Huang, R. S.

2016; 15 (5): 1123-31

- **The impact of the Cancer Genome Atlas on lung cancer.** *Translational research : the journal of laboratory and clinical medicine*

Chang, J. T., Lee, Y. M., Huang, R. S.

2015; 166 (6): 568-85