

Curriculum Vitae

Personal Information

Name: Muh-Hwa Yang (楊慕華)

Gender : male

Nationality : Taiwan

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Education

- M.D., Faculty of Medicine, National Yang-Ming College of Medicine, Taipei, Taiwan (1994)
- Ph.D., Institute of Clinical Medicine, National Yang-Ming University, Taipei, Taiwan (2006)

Current Positions

- Vice Superintendee, Taipei Veterans General Hospital (July 2026-present)
- Chair Professor and University-Appointed Vice President, Institute of Clinical Medicine, National Yang Ming Chiao Tung University, Taipei, Taiwan (July 2026-present)
- Adjunct Research Fellow, Genomic Research Center, Academia Sinica, Taipei, Taiwan (August 2014-present)

Academic Performance Index, Honors and Awards (selected)

a. Academic performance index:

- Scopus Scholar *h*-index: 62 (October 2026)
- Google Scholar *h*-index: 68 (October 2026)

b. Academic honors and awards (selected)

- Ta-Yu Wu Memorial Award, National Science Council, Taiwan (2008)
- Young Scientist Research Award, Tien-Te Lee Biomedical Foundation, Taiwan (2011)
- Early-Career Investigator Research Achievement Award, Academia Sinica, Taiwan (2011)
- Outstanding Research Award, National Science Council/ Ministry of Science and Technology, Taiwan (2013, 2016)
- Dr. Jiong-Lin Chen's Translational Medicine Chair Professor, The Joint Annual

Conference of Biomedical Science, Taiwan (2023)

- 22th Chair Professor Award, Y.Z. Hsu Scientific and Technology Memorial Foundation (2024)

Advisors of International Committee (selective)

- Scientific Advisory Board of EU-Funded Translational Cancer Research (2021-present)
- Scientific Committee of the Annual Meeting of European Society of Medical Oncology-Asia (ESMO-Asia) (December 2022, Singapore)
- Steering Committee and Track Chair of Head and Neck Cancer of the Annual Meeting of European Society of Medical Oncology (ESMO) (October 2025, Berlin, Germany)

Research Interests

My research focuses on epithelial plasticity and therapeutic resistance in cancer. Our work has contributed to epithelial–mesenchymal transition in metastasis, cancer stemness, tumor–immune communication, and collective migration (Nat Cell Biol 2008, 2010, 2012, 2014, 2019; Cancer Cell 2014; Cell Rep 2016; J Hematol Oncol 2019; Theranostics 2020). Recent translational studies have uncovered mechanisms of immune escape and therapy resistance, developed macrophage-directed immunotherapy, and identified actionable cancer vulnerabilities (Cell Rep Med 2023, 2025, 2026; Adv Sci 2023, 2025; Cancer Immunol Res 2024). Our current work investigates the molecular gatekeeping of hybrid epithelial/mesenchymal states and its impact on cancer progression and treatment response.

Selected Publications (*corresponding author)

1. Hang JF, Cheng HY, Tsai YS*, Lin SY, Song JH, Chung CH, and **Yang MH***. Out-of-frame *CBX3::ALK* fusion drives ALK activation and therapy response. *Cell Rep Med* 2026;7:102697.
2. Chiu PH, Lai KC, Wang HL, Chang YW, Wu WC, Chen TH, Tsai YS, Song JH, Sun NY, Chau GY, Fang WL, Chen JP, Wang HM, Huang HC, Hsieh MC, Hua CH, Lien MY, Chang YF, Wang HC, Chien CY, Huang TL, Wang CC, Liu YC, Chen JP, Lu WC, Yiu CY, Lin CL, Lou PJ, Chu PY, Wang SC, Hung MC, and **Yang MH***. Therapeutic stress triggers tumor STAT1 acetylation to disarm immunotherapy. *Cell Rep Med* 2025;6:102448.

3. Chang YW, Hsiao HW, Chen JP, Tzeng SF, Tsai CH, Wu YC, Hsieh HH, Carmona SJ, Andreatta M, Conza GD, Su MT, Koni PA, Ho PC, Chen HK*, and **Yang MH***. A CSF-1R-blocking antibody/IL-10 fusion protein increases anti-tumor immunity by effectuating tumor-resident CD8⁺ T cells. *Cell Rep Med* 2023; 4:101154.
4. Chung CH, Lin CY, Chen CY, Hsueh CW, Chang YW, Wang CC, Chu PY, Tai SK, **Yang MH***. Ferroptosis signatures shape the immune profiles to enhance the response to immune checkpoint inhibitors in head and neck cancer. *Adv Sci (Weinh)* 2023;10:e2204514.
5. Chen HY, Hsieh, CH, Lin PH, Chen YT, Hsu DS, Tai SK, Chu PY, **Yang MH***. Snail regulated microRNA-21 suppresses NLRP3 inflammasome activity to enhance cisplatin resistance. *J Immunother Cancer* 2022;10: e004832
6. Liao TT, Lin CC, Jiang JK, Yang SH, Teng HW, **Yang MH***. Harnessing stemness and PD-L1 expression by AT-rich interaction domain-containing protein 3 in colorectal cancer. *Theranostics* 2020; 10: 6095-6112.
7. Li CF, Chen JY, Ho YH, Hsu WH, Wu, LC, Lan HY, Hsu DS, Tai SK, Chang YC*, **Yang MH***. Snail-induced claudin-11 prompts collective migration for tumor progression. *Nat Cell Biol* 2019; 21: 251-262.
8. Hwang WL*, Lan HY, Cheng WY, Huang SC, **Yang MH***. Tumor stem-Like cells-derived exosomal RNAs prime neutrophils for facilitating tumorigenesis of colon cancer. *J Hematol Oncol* 2019;12:10.
9. Lee CC, Lin JC, Hwang WL, Kuo YJ, Chen HK, Tai SK, Lin CC, **Yang MH***. Macrophage-secreted interleukin-35 regulates cancer cell plasticity to facilitate metastatic colonization. *Nat Commun* 2018; 9:3763.
10. Pan YR, Chen CC, Chan YT, Wang SJ, Chien FT, Chen YL, Liu JL, **Yang MH***. STAT3-coordinated migration facilitates the dissemination of diffuse large B-cell lymphomas. *Nat Commun* 2018; 9:3696.
11. Liao TT, Hsu WH, Ho CH, Hwang WL, Lan HY, Lo T, Chang CC, Tai SK, **Yang MH***. let-7 modulates chromatin configuration and target gene repression through regulation of the ARID3B complex. *Cell Rep* 2016;14: 520-533.
12. Hsu DS, Wang SJ, Tai SK, Chou CH, Hsieh CH, Chiu PH, Chen NJ, **Yang MH***. Acetylation of Snail modulates the cytokinome of cancer cells to enhance the recruitment of macrophages. *Cancer Cell* 2014; 26: 534-548.
13. Hwang WL, Jiang JK, Yang SH, Huang TS, Lan HY, Teng HW, Yang CY, Tsai YP, Lin CH, Wang HW*, **Yang MH***. MicroRNA-146a directs the symmetrical division of Snail-dominant colorectal cancer stem cells. *Nat Cell Biol* 2014;16: 268-280.