

Haiyu Zhang

Basic Life Res Scientist, Pathology Sponsored Projects

Publications

PUBLICATIONS

- **The highs and lows of cyclic thrombocytopenia.** *British journal of haematology*
Zhang, H., Villar-Prados, A., Bussel, J. B., Zehnder, J. L.
2023
- **The role of CD8+ T cell clones in immune thrombocytopenia.** *Blood*
Malik, A., Sayed, A. A., Han, P., Tan, M. M., Watt, E., Constantinescu-Bercu, A., Cocker, A. T., Khoder, A., Saputit, R. C., Thorley, E. V., Teklemichael, A., Ding, Y., Hart, et al
2023
- **SARS-CoV-2 Brain Regional Detection, Histopathology, Gene Expression, and Immunomodulatory Changes in Decedents with COVID-19.** *Journal of neuropathology and experimental neurology*
Serrano, G. E., Walker, J. E., Tremblay, C., Piras, I. S., Huentelman, M. J., Belden, C. M., Goldfarb, D., Shprecher, D., Atri, A., Adler, C. H., Shill, H. A., Driver-Dunkley, E., Mehta, et al
2022
- **Longitudinal study of 2 patients with cyclic thrombocytopenia, STAT3, and MPL mutations.** *Blood advances*
Zhang, H., Chien, M., Hou, Y., Shomali, W., Brar, R., Ho, C., Han, P., Xu, D., Zhang, B. M., Guo, X., Tolentino, L., Wu, N. C., Tsai, et al
2022
- **A Blueprint for Identifying Phenotypes and Drug Targets in Complex Disorders with Empirical Dynamics.** *Patterns (New York, N.Y.)*
Krieger, M. S., Moreau, J. M., Zhang, H., Chien, M., Zehnder, J. L., Craig, M.
2020; 1 (9): 100138
- **Investigating circulating tumor cells and distant metastases in patient-derived orthotopic xenograft models of triple-negative breast cancer** *Breast Cancer Research*
Ramani, V., Lemaire, C., Triboulet, M., Casey, K., Heirich, K., Renier, C., Vilches-Moure, J., Gupta, R., Razmara, A., Zhang, H., Sledge, G., Sollier, E., Jeffrey, et al
2019; 21
- **Blood transcriptome and clonal T cell correlates of response and nonresponse to eltrombopag therapy in a cohort of patients with chronic immune thrombocytopenia.** *Haematologica*
Zhang, H., Zhang, B., Guo, X., Xu, L., You, X., West, R., Bussel, J., Zehnder, J.
2019
- **Identification of a Novel MPL Loss of Function Mutation in a Patient with Cyclic Thrombocytopenia and Characterization of This Syndrome**
Zhang, H., Hou, Y., Brar, R. S., Zhang, B., Chen, Z., Abidi, P., Jin, J., Gotlib, J. R., Zehnder, J. L.
AMER SOC HEMATOLOGY.2016
- **Gender and duration of disease differentiate responses to rituximab-dexamethasone therapy in adults with immune thrombocytopenia** *AMERICAN JOURNAL OF HEMATOLOGY*
Chapin, J., Lee, C. S., Zhang, H., Zehnder, J. L., Bussel, J. B.
2016; 91 (9): 907–11
- **Germ line variants predispose to both JAK2 V617F clonal hematopoiesis and myeloproliferative neoplasms.** *Blood*
Hinds, D. A., Barnholt, K. E., Mesa, R. A., Kiefer, A. K., Do, C. B., Eriksson, N., Mountain, J. L., Francke, U., Tung, J. Y., Nguyen, H. M., Zhang, H., Gojenola, L., Zehnder, et al

2016; 128 (8): 1121-1128

- **Effects of Thrombopoietin Mimetics on Patients with Chronic ITP: Perspectives from Blood Transcriptome Profiling Analysis**
Zhang, H., Zhang, B., Guo, X., Haq, N., West, R. B., Bussel, J. B., Zehnder, J. L.
AMER SOC HEMATOLOGY.2014
- **Single cell mutational analysis of PIK3CA in circulating tumor cells and metastases in breast cancer reveals heterogeneity, discordance, and mutation persistence in cultured disseminated tumor cells from bone marrow** *BMC CANCER*
Deng, G., Krishnakumar, S., Powell, A. A., Zhang, H., Mindrinos, M. N., Telli, M. L., Davis, R. W., Jeffrey, S. S.
2014; 14
- **Patient-derived xenografts of triple-negative breast cancer reproduce molecular features of patient tumors and respond to mTOR inhibition** *BREAST CANCER RESEARCH*
Zhang, H., Cohen, A. L., Krishnakumar, S., Wapnir, I. L., Veeriah, S., Deng, G., Coram, M. A., Piskun, C. M., Longacre, T. A., Herrler, M., Frimannsson, D. O., Telli, M. L., Dirbas, et al
2014; 16 (2)
- **CD137 Ligand Is Expressed in Primary and Secondary Lymphoid Follicles and in B-cell Lymphomas Diagnostic and Therapeutic Implications** *AMERICAN JOURNAL OF SURGICAL PATHOLOGY*
Zhao, S., Zhang, H., Xing, Y., Natkunam, Y.
2013; 37 (2): 250-258
- **Single Cell Profiling of Circulating Tumor Cells: Transcriptional Heterogeneity and Diversity from Breast Cancer Cell Lines** *PLOS ONE*
Powell, A. A., Talasz, A. H., Zhang, H., Coram, M. A., Reddy, A., Deng, G., Telli, M. L., Advani, R. H., Carlson, R. W., Mollick, J. A., Sheth, S., Kurian, A. W., Ford, et al
2012; 7 (5)
- **A pharmacogenomic method for individualized prediction of drug sensitivity** *MOLECULAR SYSTEMS BIOLOGY*
Cohen, A. L., Soldi, R., Zhang, H., Gustafson, A. M., Wilcox, R., Welm, B. E., Chang, J. T., Johnson, E., Spira, A., Jeffrey, S. S., Bild, A. H.
2011; 7
- **Circulating tumour cells demonstrate an altered response to hypoxia and an aggressive phenotype** *BRITISH JOURNAL OF CANCER*
Ameri, K., Luong, R., Zhang, H., Powell, A. A., Montgomery, K. D., Espinosa, I., Bouley, D. M., Harris, A. L., Jeffrey, S. S.
2010; 102 (3): 561-569
- **RNA extraction from ten year old formalin-fixed paraffin-embedded breast cancer samples: a comparison of column purification and magnetic bead-based technologies** *BMC MOLECULAR BIOLOGY*
Ribeiro-Silva, A., Zhang, H., Jeffrey, S. S.
2007; 8
- **Polyphosphate kinase 1, a conserved bacterial enzyme, in a eukaryote, Dictyostelium discoideum with a role in cytokinesis** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Zhang, H., Gomez-Garcia, M. R., Shi, X., Rao, N. N., Kornberg, A.
2007; 104 (42): 16486-16491
- **Inorganic polyphosphate in the social life of Myxococcus xanthus: Motility, development, and predation** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Zhang, H. Y., Rao, N. N., Shiba, T., Kornberg, A.
2005; 102 (38): 13416-13420
- **Inorganic polyphosphate in Dictyostelium discoideum: Influence on development, sporulation, and predation** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Zhang, H. Y., Gomez-Garcia, M. R., Brown, M. R., Kornberg, A.
2005; 102 (8): 2731-2735
- **Polyphosphate is essential for Pseudomonas aeruginosa functions.** *International Pseudomonas Meeting*
Zhang, H., Ishige, K., Rashid, M., Kornberg, A.
2003
- **A polyphosphate kinase (PPK2) widely conserved in bacteria** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Zhang, H. Y., Ishige, K., Kornberg, A.

2002; 99 (26): 16678-16683

- **Polyphosphate kinase (PPK2), a potent, polyphosphate-driven generator of GTP** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*

Ishige, K., Zhang, H. Y., Arthur, K.

2002; 99 (26): 16684-16688

- **The cloning and functional analysis of *Sinorhizobium fredii* 042BS regulatory nodulation genes.** *Acta Microbiologica Sinica*

Zhang, H., Zhang, H., Li, X., Wen, S., Yang, S.

2002; 42: 33-39

- ***Sinorhizobium fredii* strain that effectively nodulate *Medicago sativa*.** *Acta Microbiologica Sinica*

Zhang, H., Zhang, H., Li, X., Yang, S.

2001; 41: 127-132

- **Cloning of DNA fragment related to salt tolerance in *Sinorhizobium meliloti* 042B** *Acta Microbiologica sinica*

Chen , X., Zhang, H., Gao, W., Zhu, K., Kan, F., Yang, S.

1999; 39: 14-19

- **The cloning and physical mapping of *Sinorhizobium meliloti* 042B DNA fragment related to common nodulation genes nodABC** *J. Agricultural Biotechnology*

Yang , X., Zhang, H., Yang, S.

1998; 6: 319-326