Stanford

Bing Melody Zhang

Clinical Professor, Pathology

CLINICAL OFFICE (PRIMARY)

- **Pathology**

  300 Pasteur Dr Rm L235

  MC 5324

  Palo Alto, CA 94304

  Tel (650) 498-4126 **Fax** (650) 725-7224

ACADEMIC CONTACT INFORMATION

- **Administrative Contact**

  Kaia Pham - Administrative Associate

  Email kaiap@stanford.edu

  Tel (650)-724-9741

Bio

BIO

Dr. Bing Melody Zhang is board-certified by American Board of Pathology in Clinical Pathology and Molecular Genetic Pathology. She is also a certified and fully credentialed HLA laboratory director by American Society for Histocompatibility & Immunogenetics (ASHI) for the following areas--Solid Organ Transplantation: Deceased Donor; Solid Organ Transplantation: Live Donor; HSC/BM Transplantation: Related Donor; HSC/BM Transplantation: Unrelated Donor; Histocompatibility Testing for Other Clinical Purposes; Transfusion Support. Dr. Zhang completed Clinical Pathology residency, Molecular Genetic Pathology and Clinical Genomics fellowships, as well as Histocompatibility/Immunogenetics Director training at Stanford. She is currently the Associate Chair for Molecular and Genomic Testing in the Department of Pathology and Director of the HLA lab (Stanford Blood Center). She also serves as the Chair of Molecular Pathology and Genomics Cluster (including CAP/ACMG Biochemical and Molecular Genetics Committee, CAP/ACMG Cytogenetics Committee, Molecular Oncology Committee, and Personalized Health Care Committee) of College of American Pathologists (CAP), Chair of CAP/ACMG Biochemical and Molecular Genetics Committee, and Chair of ASHI Science and Technology Initiatives Committee. Her main research interests include HLA testing for BMT/solid organ transplantation/cellular therapy/oncology, comprehensive cancer genomics testing, NGS-based TCR/Ig clonality/MRD testing, and HLA-related disease association/drug hypersensitivity testing.

CLINICAL FOCUS

- Molecular Genetic Pathology
- Histocompatibility and Immunogenetics
- Anatomic and Clinical Pathology

ACADEMIC APPOINTMENTS

- Clinical Professor, Pathology
- Member, Maternal & Child Health Research Institute (MCHRI)

ADMINISTRATIVE APPOINTMENTS

- Associate Chair for Molecular and Genomic Testing, Department of Pathology, Stanford University School of Medicine, (2026- present)

- Co-Director, EMERALD (Diagnostic Research) Program, (2025- present)
- Director of Histocompatibility and Immunogenetics Laboratory, Stanford Blood Center, (2024- present)
- Associate Section Director of Molecular Pathology Lab, Stanford Health Care and Stanford Children's Health, (2022-2026)
- Attending molecular pathologist, Stanford Health Care and Stanford Children's Health, (2017- present)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Chair of the Molecular Pathology and Genomics Cluster, College of American Pathologists (CAP) (2026 - present)
- Chair, ASHI Science and Technology Initiatives Committee (2025 - present)
- Lead, American Society for Histocompatibility and Immunogenetics Immunotherapy subcommittee (2025 - present)
- Member, American Society for Histocompatibility and Immunogenetics HLA Disease Association subcommittee (2025 - present)
- AMP representative, BLOODPAC-led MRD Analytical Validation Working Group (2024 - present)
- Chair, CAP/ACMG Biochemical and Molecular Genetics Committee (2024 - present)
- Member, American Society for Histocompatibility and Immunogenetics Basic and Translational Research subcommittee (2023 - present)
- Steering Committee Member, Immunogenetics and Donor Selection Special Interest Group of the American Society of Transplantation and Cellular Therapy (2023 - present)
- Member, ClinGen--Platelet Disorders Variant Curation Expert Panel (2018 - present)

PROFESSIONAL EDUCATION

- ASHI Certified HLA Lab Director, American Society for Histocompatibility and Immunogenetics , HLA
- Board Certification, American Board of Pathology , Clinical Pathology (2017)
- Board Certification, American Board of Pathology and American Board of Medical Genetics and Genomics , Molecular Genetic Pathology (2017)
- Residency, Stanford University Department of Pathology , Clinical Pathology (2017)
- Fellowship, Stanford University Department of Pathology , Clinical Genomics (2017)
- Fellowship, Stanford University Department of Pathology , Molecular Genetic Pathology (2016)
- Medical education, Shandong University School of Medicine , Medicine
- MS, Shandong University School of Medicine , Medical Genetics

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

My main research interests lie in the following areas:

1) HLA testing for BMT/solid organ transplantation/cellular therapy/oncology

2) Comprehensive cancer genomics testing

3) NGS-based TCR/Ig clonality/MRD testing

4) HLA-related disease association/drug hypersensitivity testing

Teaching

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Molecular and Genetic Medicine (Fellowship Program)

Publications

PUBLICATIONS

- **Performance Evaluation of a Next-Generation Sequencing-Based T-Cell Receptor Gene Rearrangement Assay.** *The Journal of molecular diagnostics : JMD*
  Wiredja, D., Libert, D., Jangam, D., Ho, C., Tung, J., Zhang, B. M.
  2025

- **Human Leukocyte Antigen Biology and Genetics** *Manual of Molecular and Clinical Laboratory Immunology*
  Zhang, B. M., Fernandez-Vina, M.
  ASM Press.2024; 9th: 1229

- **Minimal/measurable residual disease (MRD) monitoring in patients with lymphoid neoplasms by high-throughput sequencing of the T-cell receptor.** *The Journal of molecular diagnostics : JMD*
  Tung, J. K., Jangam, D., Ho, C. C., Fung, E., Khodadoust, M. S., Kim, Y. H., Zehnder, J. L., Stehr, H., Zhang, B. M.
  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., Saputil, R. C., Thorley, E. V., Teklemichael, A., Ding, Y., Hart, et al
  2023

- **An Overview of Characteristics of Clinical Next-Generation Sequencing-Based Testing for Hematologic Malignancies.** *Archives of pathology & laboratory medicine*
  Zhang, B. M., Keegan, A. n., Li, P. n., Lindeman, N. I., Nagarajan, R. n., Routbort, M. J., Vasalos, P. n., Kim, A. S., Merker, J. D.
  2021

- **Validation of a Next-Generation Sequencing-based T-Cell Receptor Gamma Gene Rearrangement Diagnostic Assay: Transitioning from Capillary Electrophoresis to Next-Generation Sequencing.** *The Journal of molecular diagnostics : JMD*
  Ho, C. C., Tung, J. K., Zehnder, J. L., Zhang, B. M.
  2021

- **Identification of a pathogenic TUBB1 variant in a Chinese family with congenital macrothrombocytopenia through whole genome sequencing.** *Platelets*
  Hou, Y. n., Shao, L. n., Zhou, H. n., Liu, Y. n., Fisk, D. G., Spiteri, E. n., Zehnder, J. L., Peng, J. n., Zhang, B. M., Hou, M. n.
  2021: 1–5

- **Specifications of the variant curation guidelines for ITGA2B/ITGB3: ClinGen Platelet Disorder Variant Curation Panel.** *Blood advances*
  Ross, J. E., Zhang, B. M., Lee, K. n., Mohan, S. n., Branchford, B. R., Bray, P. n., Dugan, S. N., Freson, K. n., Heller, P. G., Kahr, W. H., Lambert, M. P., Luchtman-Jones, L. n., Luo, et al
  2021; 5 (2): 414–31

- **HLA-haplotype loss after TCRalphabeta/CD19-depleted haploidentical HSCT.** *Bone marrow transplantation*
  Shyr, D. C., Zhang, B. M., Saini, G., Madani, N. D., Schultz, L. M., Patel, S., Kristovich, K., Fernandez-Vina, M., Bertaina, A.
  2020

- **IDH2 Mutation in a Patient with Metastatic Colon Cancer** *NEW ENGLAND JOURNAL OF MEDICINE*
  Zhang, B. M., Zehnder, J. L., Suarez, C. J.
  2017; 376 (20): 1991-1992

- **A novel splice donor mutation in the thrombopoietin gene leads to exon 2 skipping in a Filipino family with hereditary thrombocythemia.** *Blood*
  Zhang, B., Ng, D., Jones, C., Oh, S. T., Nolan, G. P., Salehi, S., Wong, W., Zehnder, J. L., Gotlib, J.
  2011; 118 (26): 6988-6990

- **The role of vanin-1 and oxidative stress-related pathways in distinguishing acute and chronic pediatric ITP** *BLOOD*
  Zhang, B., Lo, C., Shen, L., Sood, R., Jones, C., Cusmano-Ozog, K., Park-Snyder, S., Wong, W., Jeng, M., Cowan, T., Engleman, E. G., Zehnder, J. L.
  2011; 117 (17): 4569-4579

- **Pilot Study of Daratumumab for Reduction of Circulating Antibodies in Patients With High Allosensitization Awaiting Heart Transplantation.** *Journal of cardiac failure*
  Witteles, R. M., Zhang, B. M., Cheng, P., Liedtke, M., Teuteberg, J., Kobayashi, S., Chu, A., Alexander, K. M.
  2026; 32 (9): 1660-1664

- **Novel single cell and bulk NGS assays for improved assessment of MRD (measurable residual disease) and clonal dynamics in acute myeloid leukemia (AML).**
  Zhou, C., Gunaratne, R., Yang, E., Agoglia, R., Jangam, D., Tiwari, C., Tanaka, K., Chiang, T., Ho, C., Lu, S., Zehnder, J. L., Zhang, B., Stehr, et al
  AMER ASSOC CANCER RESEARCH.2026

- **Clonally Distinct FLT3-TKD Mutations in Host and Donor-Derived AML After Double Cord Blood Transplant: A Case Report.** *EJHaem*
  Rojansky, R. B., Law, L. Y., Zhang, B. M., Kennedy, V. E.
  2026; 7: e70292

- **Intraoperative Therapeutic Plasma Exchange for Sensitized Heart Transplant Candidates.** *Journal of clinical apheresis*
  Yigitbilek, F., Kim, J. S., Henricksen, E. J., Teuteberg, J. J., Khush, K. K., Narula, N., Zhang, B. M., Yunce, M.
  2026; 41 (2): e70115

- **Impact of Pre-HCT Transfusion on HLA Sensitization and Clinical Implications in HCT**
  Jamal, Y., Yamamoto, F., Pham, T., Arai, S., Zhang, B.
  ELSEVIER SCIENCE INC.2026

- **Pharmacogenomic Testing.** *Archives of pathology & laboratory medicine*
  Ji, Y., Brunk, L., Bove, B., Danyal, K., Langman, L. J., Mot, N., Mroz, P., Natowicz, M., Reddi, H., Shirts, B., Smock, K., Wool, G. D., Zhang, et al
  2025

- **T-cell clones of uncertain significance are prevalent in cutaneous T-cell lymphomas**
  Najidh, S., Cleveland, J., Burke, R., Torres, A., Kwang, A., Duran, G., Cooper, Y., Kirsch, I., Zhang, B., Kim, Y., Khodadoust, M.
  ELSEVIER.2025: 5431-5432

- **Patients with TP53-mutated AML/MDS without complex or monosomal karyotype can achieve durable survival benefits with allogeneic HCT**
  Jeyakumar, N., Torres, N., Godbole, S., Yamamoto, F., Zhang, B., Arai, S., Bharadwaj, S., Dahiya, S., Elmariah, H., Frank, M., Hosoya, H., Johnston, L., Meyer, et al
  ELSEVIER.2025: 2525-2526

- **HLA-DQ: THE DOMINANT DRIVER OF DE NOVO DONOR-SPECIFIC ANTIBODY-MEDIATED GRAFT FAILURE IN PEDIATRIC KIDNEY TRANSPLANTATION**
  Turudic, D., Sigurjonsdottir, V., Tambur, A., Grimm, P., Zhang, B.
  WILEY.2025

- **IMPACT OF SPECIFIC HLA-DR MISMATCHES ON DE NOVO DONOR-SPECIFIC ANTIBODY FORMATION IN PEDIATRIC KIDNEY TRANSPLANTATION**
  Shah, A., Sigurjonsdottir, V., Turudic, D., Grimm, P., Zhang, B.
  WILEY.2025

- **Immune repertoire profiling uncovers pervasive T-cell clonal expansions in benign prostatic hyperplasia.** *The Journal of clinical investigation*
  Pollack, A. S., Kunder, C. A., Ho, C. C., Chou, J., Pollack, A. J., Geisick, R. L., Zhang, B. M., West, R. B., Brooks, J. D., Pollack, J. R.
  2025

- **T Cell Clonality in Paediatric Immune Thrombocytopenia**
  Tan, M. M. H., Malik, A., Wang, J., Lo, C., Hart, A., Joshi, N., Adams, S., Zhang, P., Rezvani, K., Zhang, B., Cooper, N.
  ELSEVIER.2024: 550-551

- **Risk HLA-DQ Heterodimer Mismatch Is Associated with De Novo Donor-Specific Antibodies in Pediatric Kidney Transplant Recipients**
  Sigurjonsdottir, V., Piburn, K. H., Wang, L., Turudic, D., Grimm, P. C., Tambur, A. R., Zhang, B. M.
  AMER SOC NEPHROLOGY.2024

- **A human autoimmune organoid model reveals IL-7 function in coeliac disease.** *Nature*
  Santos, A. J., van Unen, V., Lin, Z., Chirieleison, S. M., Ha, N., Batish, A., Chan, J. E., Cedano, J., Zhang, E. T., Mu, Q., Guh-Siesel, A., Tomaske, M., Colburg, et al

2024

- **Exploring Pattern of Relapse in Pediatric Patients with Acute Lymphocytic Leukemia and Acute Myeloid Leukemia Undergoing Stem Cell Transplant Using Machine Learning Methods.** *Journal of clinical medicine*
  Shyr, D., Zhang, B. M., Saini, G., Brewer, S. C.
  2024; 13 (14)

- **Immunoglobulin and T-Cell Receptor Gene Assessment** *Manual of Molecular and Clinical Laboratory Immunology*
  WADSWORTH, P. A., Ho, C. C., Zhang, B. M.
  ASM Press.2024; 9th: 23

- **Implementation, Evolution, and Laboratory Performance of Methods-Based Proficiency Testing for Next-Generation Sequencing Detection of Germline Sequence Variants.** *Archives of pathology & laboratory medicine*
  Tsuchiya, K. D., Funke, B., Hegde, M., Santani, A., Souers, R. J., Szelinger, S., Halley, J., Zhao, Q., Mot, N., Roy, A., Smith, V. L., Zhang, B. M., Voelkerding, et al
  2023

- **The Association of Class I and II Human Leukocyte Antigen Serotypes With End-Stage Kidney Disease Due to Membranoproliferative Glomerulonephritis and Dense Deposit Disease.** *American journal of kidney diseases : the official journal of the National Kidney Foundation*
  Afolabi, H., Zhang, B. M., O'Shaughnessy, M., Chertow, G. M., Lafayette, R., Charu, V.
  2023

- **A Primer on Gene Editing: What Does It Mean for Pathologists?** *Archives of pathology & laboratory medicine*
  Cushman-Vokoun, A., Schmidt, R. J., Hiemenz, M. C., Fung, M., Zhang, B. M., Bradshaw, G., Gandhi, M., Yao, J., Yohe, S., Beckman, A., Grody, W. W., Giannikopoulos, P.
  2023

- **A Primer on Gene Editing.** *Archives of pathology & laboratory medicine*
  Cushman-Vokoun, A., Schmidt, R. J., Hiemenz, M. C., Fung, M., Zhang, B. M., Bradshaw, G., Gandhi, M., Yao, J., Yohe, S., Beckman, A., Grody, W. W., Giannikopoulos, P.
  2023

- **Laboratory perspectives in the development of polygenic risk scores for disease: A points to consider statement of the American College of Medical Genetics and Genomics (ACMG).** *Genetics in medicine : official journal of the American College of Medical Genetics*
  Reddi, H. V., Wand, H., Funke, B., Zimmermann, M. T., Lebo, M. S., Qian, E., Shirts, B. H., Zou, Y. S., Zhang, B. M., Rose, N. C., Abu-El-Haija, A.
  2023: 100804

- **Class I and II Human Leukocyte Antigen Serotypes Associated with End-Stage Kidney Disease due to Membranoproliferative Glomerulonephritis and Dense Deposit Disease**
  Afolabi, H., Zhang, B., O'Shaughnessy, M., Chertow, G., Lafayette, R., Charu, V.
  ELSEVIER SCIENCE INC.2023: S1422-S1423

- **HLA-DR/DQ Single Molecule Eplet Mismatch And Formation Of De Novo Donor-Specific Anti-HLA Antibodies After Kidney Transplantation In Children**
  Sigurjonsdottir, V., Piburn, K., Grimm, P., Zhang, B. M.
  WILEY.2023

- **Primary Graft Dysfunction Is Associated With Development of Early Cardiac Allograft Vasculopathy, but Not Other Immune-mediated Complications, After Heart Transplantation.** *Transplantation*
  Han, J., Moayedi, Y., Henricksen, E. J., Waddell, K., Valverde-Twiggs, J., Kim, D., Luikart, H., Zhang, B. M., Teuteberg, J., Khush, K. K.
  2023

- **Molecular Diagnosis in Hematology** *Wintrobe's Clinical Hematology*
  Zhang, B. M., Zehnder, J. L.
  2023; 15th

- **CD8(+) TEMRA Clones Cause Platelet Lysis in Immune Thrombocytopenia**
  Malik, A., Tan, M. M. H., Sayed, A. A., Han, P., Watt, E., Constantinescu-Bercu, A., Khoder, A., Cocker, A. T. H., Thorley, E., Teklemichael, A., Ding, Y., Saputil, R. C., Hart, et al
  AMER SOC HEMATOLOGY.2022: 2209-2210

- **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

- **Complement-Binding Donor-Specific Anti-HLA Antibodies: Biomarker for Immunologic Risk Stratification in Pediatric Kidney Transplantation Recipients.** *Transplant international : official journal of the European Society for Organ Transplantation*
  Sigurjonsdottir, V. K., Purington, N., Chaudhuri, A., Zhang, B. M., Fernandez-Vina, M., Palsson, R., Kambham, N., Charu, V., Piburn, K., Maestretti, L., Shah, A., Gallo, A., Concepcion, et al
  2022; 35: 10158

- **Next generation sequencing confirms T-cell clonality in a subset of pediatric pityriasis lichenoides.** *Journal of cutaneous pathology*
  Raghavan, S. S., Wang, J. Y., Gru, A. A., Marqueling, A. L., Teng, J. M., Brown, R. A., Novoa, R. A., Kim, Y., Zehnder, J., Zhang, B. M., Rieger, K. E.
  2021

- **The Role of Donor KIR Genotyping in Pediatric Hematopoietic Stem Cell Transplantation For Non-Malignant Disorders**
  Mariano, L., Bertaina, A., Zhang, B. M., Kristovich, K., Vina, M.
  SPRINGERNATURE.2020: 640

- **Chimerism Monitoring with Highly Sensitive and Precise Next-Generation Sequencing Assay in Patients Post-Allogeneic Hematopoietic Stem Cell Transplantation**
  Sharma, D., Egidio, C., Grskovic, M., Vina, M., Zhang, B. M.
  ELSEVIER SCIENCE INC.2020: S310

- **Next Generation Sequencing-Based Characterization of T Cell Receptor Repertoire of Patients with Immune Thrombocytopenia**
  Han, P., You, X., Lo, C., Xu, L., Zhang, H., Zehnder, J. L., Zhang, B.
  AMER SOC HEMATOLOGY.2019

- **Non-HLA Antibody-Mediated Rejection of Lung Transplant Masquerading Transfusion-Related Acute Lung Injury**
  Yunce, M., Virk, M., Zhang, B. M., Mooney, K., Saleem, A., Shan, H.
  WILEY.2019: 199A

- **Detection of Circulating Tumor DNA with a Single-Molecule Sequencing Analysis Validated for Targeted and Immunotherapy Selection.** *Molecular diagnosis & therapy*
  Atkins, A., Gupta, P., Zhang, B. M., Tsai, W., Lucas, J., Javey, M., Vora, A., Mei, R.
  2019

- **Case series of MET exon 14 skipping mutation-positive non-small-cell lung cancers with response to crizotinib and cabozantinib** *ANTI-CANCER DRUGS*
  Wang, S. X. Y., Zhang, B. M., Wakelee, H. A., Koontz, M. Z., Pan, M., Diehn, M., Kunder, C. A., Neal, J. W.
  2019; 30 (5): 537–41

- **De novo complement-activating donor-specific antibodies in pediatric renal transplant recipients are highly responsive to therapy**
  Sigurjonsdottir, V., Zhang, B. M., Vina, M., Chaudhuri, A., Concepcion, W., Gallo, A., Grimm, P.
  WILEY.2019

- **Chimerism Analysis in Pediatric Hematopoietic Stem Cell Transplantation for Non-Malignant Disorders**
  Mariano, L., Zhang, B., Kristovich, K., Agarwal-Hashmi, R., Roncarolo, M., Bertaina, A., Fernandez-Vina, M.
  ELSEVIER SCIENCE INC.2019

- **Case series of MET exon 14 skipping mutation-positive non-small-cell lung cancers with response to crizotinib and cabozantinib.** *Anti-cancer drugs*
  Wang, S. X., Zhang, B. M., Wakelee, H. A., Koontz, M. Z., Pan, M., Diehn, M., Kunder, C. A., Neal, J. W.
  2019

- **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. n., Zhang, B. M., Guo, X. n., Xu, L. n., You, X. n., West, R. B., Bussel, J. B., Zehnder, J. L.
  2019

- **Molecular Diagnosis in Hematology** *Wintrobe's Clinical Hematology*
  Zhang, B. M., Zehnder, J. L.

2019; 14e: 56–66

- **Assessment by Extended-Coverage Next-Generation Sequencing Typing of DPA1 and DPB1 Mismatches in Siblings Matching at HLA-A, -B, -C, -DRB1, and -DQ Loci.** *Biology of blood and marrow transplantation : journal of the American Society for Blood and Marrow Transplantation*
  Mariano, L. n., Zhang, B. M., Osoegawa, K. n., Lowsky, R. n., Fernandez-Vina, M. n.
  2019

- **Case Series of MET Exon 14 Skipping Mutation-positive Non-Small Cell Lung Cancers and Response to Crizotinib.** *International journal of radiation oncology, biology, physics*
  Wang, S. X., Zhang, B., Wakelee, H. A., Diehn, M., Kunder, C., Neal, J. W.
  2017; 98 (1): 239-?

- **Methodologic Considerations in the Application of Next-Generation Sequencing of Human TRB Repertoires for Clinical Use** *JOURNAL OF MOLECULAR DIAGNOSTICS*
  Xu, L., You, X., Zheng, P., Zhang, B. M., Gupta, P. K., Lavori, P., Meyer, E., Zehnder, J. L.
  2017; 19 (1): 72-83

- **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

- **PS01.67: Case Series of MET Exon 14 Skipping Mutation-Positive Non-Small Cell Lung Cancers and Response to Crizotinib: Topic: Medical Oncology.** *Journal of thoracic oncology*
  Wang, S. X., Zhang, B. M., Wakelee, H., Diehn, M., Kunder, C. A., Neal, J. W.
  2016; 11 (11S): S312-S313

- **ROS: novel regulators of thrombopoiesis** *BLOOD*
  Zhang, B., Zehnder, J. L.
  2016; 128 (5): 613-?

- **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

- **Immunoglobulin and T cell receptor gene high-throughput sequencing quantifies minimal residual disease in acute lymphoblastic leukemia and predicts post-transplantation relapse and survival.** *Biology of blood and marrow transplantation*
  Logan, A. C., Vashi, N., Faham, M., Carlton, V., Kong, K., Buño, I., Zheng, J., Moorhead, M., Klinger, M., Zhang, B., Waqar, A., Zehnder, J. L., Miklos, et al
  2014; 20 (9): 1307-1313

- **Comprehensive whole-genome sequencing of an early-stage primary myelofibrosis patient defines low mutational burden and non-recurrent candidate genes.** *Haematologica*
  Merker, J. D., Roskin, K. M., Ng, D., Pan, C., Fisk, D. G., King, J. J., Hoh, R., Stadler, M., Okumoto, L. M., Abidi, P., Hewitt, R., Jones, C. D., Gojenola, et al
  2013; 98 (11): 1689-1696

- **Minimal residual disease quantification using consensus primers and high- throughput IGH sequencing predicts post-transplant relapse in chronic lymphocytic leukemia** *LEUKEMIA*
  Logan, A. C., Zhang, B., Narasimhan, B., Carlton, V., Zheng, J., Moorhead, M., Krampf, M. R., Jones, C. D., Waqar, A. N., Faham, M., Zehnder, J. L., Miklos, D. B.
  2013; 27 (8): 1659-1665

- **Oxidative stress and immune thrombocytopenia.** *Seminars in hematology*
  Zhang, B., Zehnder, J. L.
  2013; 50 (3): e1-4

- **Desktop transcriptome sequencing from archival tissue to identify clinically relevant translocations.** *American journal of surgical pathology*
  Sweeney, R. T., Zhang, B., Zhu, S. X., Varma, S., Smith, K. S., Montgomery, S. B., van de Rijn, M., Zehnder, J., West, R. B.
  2013; 37 (6): 796-803

- **Sequential azacitidine plus lenalidomide combination for elderly patients with untreated acute myeloid leukemia.** *Haematologica*

Pollyea, D. A., Zehnder, J., Coutre, S., Gotlib, J. R., Gallegos, L., Abdel-Wahab, O., Greenberg, P., Zhang, B., Liedtke, M., Berube, C., Levine, R., Mitchell, B. S., Medeiros, et al

2013; 98 (4): 591-596

- **2-Hydroxyglutarate in IDH mutant acute myeloid leukemia: predicting patient responses, minimal residual disease and correlations with methylcytosine and hydroxymethylcytosine levels** *LEUKEMIA & LYMPHOMA*

  Pollyea, D. A., Kohrt, H. E., Zhang, B., Zehnder, J., Schenkein, D., Fantin, V., Straley, K., Vasanthakumar, A., Abdel-Wahab, O., Levine, R., Godley, L. A., Medeiros, B. C.

  2013; 54 (2): 408-410

- **Impaired B Cell Clonotype Diversification After Allogeneic Hematopoietic Cell Transplantation Predicts Graft-Versus-Host Disease** *BMT Tandem Meetings*

  Logan, A., Sahaf, B., Zhang, B., Arai, S., Carlton, V., Zheng, J., Moorhead, M., Krampf, M. R., Jones, C. D., Waqar, A. N., Faham, M., Shizuru, J. A., Zehnder, et al

  ELSEVIER SCIENCE INC.2013: S148–S149

- **Whole Genome Sequence Analysis of Primary Myelofibrosis.** *54th Annual Meeting and Exposition of the American-Society-of-Hematology (ASH)*

  Merker, J. D., Roskin, K., Ng, D., Pan, C., Fisk, D. G., Jones, C. D., Gojenola, L., Clark, M. J., Zhang, B., Cherry, M., Snyder, M., Boyd, S. D., Zehnder, et al

  AMER SOC HEMATOLOGY.2012

- **The Role of Oxidative Stress in Pediatric Immune Thrombocytopenia**

  Lo, C., Zhang, B., Cusmano-Ozog, K., Wong, W., Jeng, M., Cowan, T., Zehnder, J. L.

  AMER SOC HEMATOLOGY.2012

- **Azacitidine Plus Lenalidomide for Untreated AML Patients Ineligible for Conventional Chemotherapy**

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