

TIAN YI ZHANG MD, PhD
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Division of Hematology
Department of Medicine
Stanford University School of Medicine

Stanford Cancer Center
875 Blake Wilbur Drive
Stanford, CA 94350



CURRENT POSITION

Stanford University
Instructor of Hematology
Assistant Professor of Medicine (Hematology)

Stanford, CA
8/1/2018-08/31/2020
Official appointment date 9/1/2020

EDUCATION

University of Utah
MD

Salt Lake City, UT
05/2011

University of Utah
PhD, Immunology
Thesis Title: Permissive Effects of Steroid Metabolism and Glucocorticoids on Myeloid Differentiation
Advisor: Raymond Daynes

Salt Lake City, UT
06/2007

University of Utah
BS, Biochemistry

Salt Lake City, UT
5/2001

POSTDOCTORAL TRAINING

Stanford University
Postdoctoral Fellow
Advisor: Ravindra Majeti
Project: Mechanisms of bone marrow failure in AML to identify therapeutic interventions

Stanford, CA
4/2016-7/2018

Stanford University
Hematology/Oncology Fellow

Stanford, CA
7/2014-7/31/18

University of Utah
Residency
Internship

Salt Lake City, UT
6/2014
6/2012

HONORS, AWARDS

NCI K08 Career Development Award
Best Abstract Award ASH 2019
Best Abstract Award ASH 2018

6/2020
2019
2018

TIAN YI ZHANG MD, PhD

Stanford Cancer Institute Fellowship Award	2018-2019
ASH Research Training Award for Senior Fellows	2017-2018
A.P. Giannini Found Fellowship Award	2017-2020
Stanford Alpha Omega Alpha Medical Honor Society	2017
T32 Program in Translational and Clinical Hematology – National Institute of Health	2016
Finalist, Clinical Vignette Competition - American College of Physicians	2013
Winner of Basic Research Competition – American College of Physicians	2012
William Odell Award – University of Utah School of Medicine	2011
Medical Student Research Fellowship – National Institute of Health	2009
David F Wood Memorial Scholarship	2008
Faculty of 1000 Biology Major Advances and Expert Opinion ‘Must Read’ – Top Ten	2008
T32 Hematology Pre-doctoral Grant – National Institute of Health	2004-2007
Faculty retention and promotion committee – University of Utah	2002-2006
Full Academic Scholarship, University of Utah	1996

CLINICAL PRACTICE

Diplomate, American Board of Medical Specialties (Hematology)	2019
Physician and Surgeon License - Medical Board of California	2014
Physician and Surgeon License - Medical Board of Utah	2011

PROFESSIONAL MEMBERSHIPS AND ACTIVITIES

American Association of Cancer Research	2016 - present
American Society of Hematology	2014 - present

PUBLICATIONS

1. Linde MH, Gurev SF, Zhang TY, Phan P, Zhao F, Gars EJ, Stafford M, Kohnke T, Marshall PL, Fan AC, Dove CG, Miller LP, Majzner RG, **Zhang TY**, and Majeti R. *Nature*, Submitted, June, 2020
2. Wong RL, Ketcham M, Irwin T, Akilesh S, **Zhang TY**, Reyes JD, Edlefsen K, Jalikis F, Becker PS. Donor-derived acute promyelocytic leukemia presenting as myeloid sarcoma in a transplanted kidney. June 10, 2020 doi:10.1038/s41375-020-0903-0
3. Azizi A, Ediriwickrema A, Dutta, R, Patel SA, Shomali W, Medeiros B, Iberri D, Gotlib J, Mannis G, Greenberg P, Majeti R, **Zhang TY**. Venetoclax and hypomethylating agent therapy in high risk myelodysplastic syndromes: a retrospective evaluation of a real-world experience. In Press. *Leukemia & Lymphoma*. May, 2020.
4. **Zhang TY**, Dutta R, Zhao F, Majeti R. IL-6 Blockade reverses bone marrow failure induced by human acute myeloid leukemia. *Science Translational Medicine*. 2020 Apr 8;12(538). doi: 10.1126/scitranslmed.aax5104
5. Dutta R, **Zhang TY**, Kohnke T, Thomas D, Majeti R. Enasidenib Drives Human Erythroid Differentiation Independently of IDH2. *Journal of Clinical Investigations*. J Clin Invest. 2020 Apr 1;130(4):1843-1849. doi: 10.1172/JCI133344
6. Eiring AM, Khorashad JS, Anderson DJ, **Zhang TY**, O'Hare T, Deininger MW. Beta- catenin is required for intrinsic but not extrinsic BCR-ABL1 kinase-independent resistance to tyrosine kinase inhibitors in chronic myeloid leukemia. *Leukemia*. 2015 Dec;29(12):2328-37 PMID:26202934

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7. Eiring AM, Page BD, Kraft IL, Mason CC, Vellore NA, **Zhang TY**, Khorashad JS, Engar AJ, Reynolds KR, Gunning PT, Deininger MW. Combined STAT3 and BCR-ABL1 inhibition induces synthetic lethality in therapy-resistant chronic myeloid leukemia. *Leukemia*. 2015 Mar;29(3):586-97. PMID:25134459
8. Corbin AS, O'Hare T, Gu Z, Kraft IL, Eiring AM, Khorashad JS, Pomicter AD, **Zhang TY**, Eide CA, Manley PW, Cortes JE, Druker BJ, Deininger MW. KIT signaling governs differential sensitivity of mature and primitive CML progenitors to tyrosine kinase inhibitors. *Cancer res*. 2013 Sep 15;73(18):5775-86. PMID:23887971
9. Patel JC, Maughan BL, Agarwal AM, Batten JA, **Zhang TY**, Agarwal N. Emerging molecularly targeted therapies in castration refractory prostate cancer. *Prostate Cancer*. 2013;981684. PMID: 23819055
10. **Zhang TY**, Agarwal N, Sonpavde G, DiLorenzo G, Bellmunt J, Vogelzang NJ. Management of castrate resistant prostate cancer-recent advances and optimal sequence of treatments. *Curr Urol Rep*. 2013 Jun;14(3):174-83. PMID:23559076.
11. De Domenico I, **Zhang TY**, Koenig CL, Branch RW, London N, Lo E, Daynes RA, Kushner JP, Li D, Ward DM, Kaplan J. Hepcidin mediates transcriptional changes that modulate acute cytokine-induced inflammatory responses in mice. *J Clin Invest*. 2010 Jul;120(7):2395-405. PMID:20530874
12. **Zhang TY**, Daynes RA. Macrophages from 11beta-hydroxysteroid dehydrogenase type 1-deficient mice exhibit an increased sensitivity to lipopolysaccharide stimulation due to TGF-beta-mediated up-regulation of SHIP1 expression. *J Immunol*. 2007 Nov 1;179(9):6325-35. PMID:17947710.
13. **Zhang TY**, Daynes RA. Glucocorticoid conditioning of myeloid progenitors enhances TLR4 signaling via negative regulation of the phosphatidylinositol 3-kinase-Akt pathway. *J Immunol*. 2007 Feb 15;178(4):2517-26. PMID:17277160
14. **Zhang TY**, Ding X, Daynes RA. The expression of 11 beta-hydroxysteroid dehydrogenase type 1 by lymphocytes provides a novel means for intracrine regulation of glucocorticoid activities. *J Immunol*. 2005 Jan 15;174(2):879-89. PMID:15634910
15. Jones DC, Ding X, **Zhang TY**, Daynes RA. Peroxisome proliferator-activated receptor alpha negatively regulates T-bet transcription through suppression of p38 mitogen-activated protein kinase activation. *J Immunol*. 2003 Jul. 1;171(1):196-203. PMID:12816998

CLINICAL TRIALS

8/25/2019-present

Study: A Phase III Randomized, Double-Blind Trial to Evaluate the Efficacy of Uproleselan Administered with Chemotherapy versus Chemotherapy Alone in Patients with Relapsed/Refractory Acute Myeloid Leukemia.

Role: Sub-Investigator

Type of Study: Industry-initiated multi-institutional trial

Sponsor: Glycomemetics Incorporated

Registration Number at ClinicalTrials.gov: NCT03616470

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2/06/2020 – present

Study: Magrolimab Monotherapy or Magrolimab in Combination with Azacitidine in Patients with Hematological Malignancies

Role: Sub-Investigator

Type of Study: Industry-initiated multi-institutional trial

Sponsor: Forty Seven, Inc. initially, now Gilead after acquisition of Forty Seven, Inc.

Registration Number at ClinicalTrials.gov: NCT03248479

5/27/2020 – present

Study: A Phase 1b Master Trial to Investigate CPX-351 in Subjects with Previously Untreated Acute Myeloid Leukemia.

Role: Sub-Investigator

Type of Study: Industry-initiated multi-institutional trial

Sponsor: Jazz Pharmaceuticals

Registration Number at ClinicalTrials.gov: NCT04075747

RESEARCH SUPPORT

NCI 1K08CA248940-01	6/2020-5/2025
Stanford Cancer Institute Fellowship	7/2018-6/2019
American Society of Hematology Research Training Award for Senior Fellows	7/2017-6/2018
A.P. Giannini Foundation Fellowship Award for funding period	7/2017-6/2020
NIH T32 Post-doctoral Training Grant – Division of Hematology, Stanford University School of Medicine	12/2016-8/2017
NIH T32 Pre-doctoral Training Grant – Division of Immunology, University of Utah School of Medicine	7/2009-5/2011

TEACHING/SEMINARS

- Lecture on acute myeloid leukemia to medical students 1/2019
- ANCO Update on Hematological Malignancies 2018: invited speaker for AML (May and September)
- Stanford Tuesday Cancer Center Seminar: Update on Acute Myeloid Leukemia 2018
- Stem Cell Club Seminar 2018
- Stanford Hematology Oncology Retreat Asilomar 2018
- Stem Cell Club Seminar 2017
- Annual Stanford Institute for Stem Cell Biology and Regenerative Medicine 2017

TIAN YI ZHANG MD, PhD

Stanford Hematology/Oncology Fellowship Recruitment 2016, 2017

Introduction to Chemotherapies and Biologics 2015-2017
8 sessions per year to Stanford Internal Medicine residents

Introduction to Hematological Malignancies 2015-2017
4 sessions per year to Stanford Internal Medicine residents

Oncology Cases 2014-2016
Biannual seminar given to Stanford Oncology Division faculty and fellows

HemePath Lecture 2014-2016
Annual seminar given to Stanford Hematology Division faculty and fellows

ADVISING AND MENTORING

Ira Kraft, Undergraduate Student at University of Utah 2011-2014
Provided primary mentorship over research project and overall career goals in research and medicine. Ira successfully applied and was accepted to medical school in 2015 and is now at the NIH for a research year with a focus on hematological malignancies

Jessica Hellyer, MD, third year resident of Stanford Internal Medicine 2016- present
Provide guidance and foster continued interest in Hematology/Oncology Fellowship with a successful match to Stanford Hematology/Oncology Program in 2017

Shaym Patel MD, PhD first year Stanford Hematology/Oncology Fellow – 2015 - 2019
Current faculty at University of Massachusetts
Provide guidance and advice on career planning, application of fellowships
Provide resources and critical feedback on laboratory research

Asiri Ediriwickerema MD second year Stanford Hematology/Oncology Fellow 2017 - present
Provide guidance and advice on career planning, application of fellowships
Provide resources and critical feedback on laboratory research

Caillin Collins MD, PhD Stanford Hematology/Oncology Fellow 2017-present
Provide guidance and advice on career planning, application of fellowships

Marie Hollenhorst MD, PhD Stanford Hematology/Oncology Fellow 2017 -present
Provide guidance and advice on career planning, application of fellowships
Provide mentorship as Dr. Hollenhorst was promoted to Instructor and established independent clinic

William Shomali MD Stanford Hematology/Oncology Fellow 2018-present
Provide guidance and advice on career planning, application of fellowships

Raymond Yin Stanford Undergraduate student 2018- present
Provide mentorship and guidance on career planning
Oversee and hands on training for laboratory research

Sean Hu Stanford Medical Student 2020 – present

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Mentorship and career planning
Mentorship in translational basic research

Ritika Dutta, Medical Student Year 1, HHMI scholar at Stanford School of Medicine 2016 - present
Provide primary mentorship over research project in the Majeti Lab. Ritika recently successfully applied for and was awarded the Stanford Medical Scholars Research award for medical students for the summer of 2017, HHMI scholar 2017-2018 during which she published a first author manuscript in Journal of Clinical Investigations