

ZIYANG (JOHN) LIU, M.D.

Curriculum Vitae

Ironwood Cancer & Research Centers a Division of
Ironwood Physicians, PC

Employment

Ironwood Cancer & Research Centers 08/2020 - Present

Education

Fellowship, University of Florida, Gainesville, FL 07/2017-06/2020

Anticipated completion date: 07/2020

Residency, University of New Mexico, Albuquerque, NM 07/2014-06/2017

M.D., Marshall University Joan C. Edwards School of Medicine, Huntington, WV 07/2010-05/2014

B.S. in Biology, West Virginia University, Morgantown, WV 08/2006-05/2008

University of Michigan, Ann Arbor, MI 08/2004-05/2006

Certification and Licensure

ABIM Internal Medicine Board Certification 10/2017

Florida State Medical License, Full. Exp. Date: 6/30/2021

New Mexico State Medical License, Full. Exp. Date: 07/2018

Professional Development

Cancer Research Training Fellow, National Cancer Institute, NIH, Bethesda, MD 07/2008-06/2010

PI: Glenn Merlino

- Investigate the role of Fc gamma receptor II-b in proliferation, apoptosis and migration of melanoma cells
- Developed animal tumor model to assess the role of Fc gamma receptor II-b in melanoma metastasis

Professional Memberships and Activities

Transplantation and Cellular Therapy, member 2019-Present

American Society of Hematology, member 2016-Present

American Society of Clinical Oncology, member 2016-Present

American Medical Association, member 2010-Present

Committee Assignments and Administrative Services

UF Health Transfusion Committee, member 2019-Present

UF Health Cancer Center Scientific Review and Monitoring Committee, member 2018-Present

Clinical / Quality Improvement Activities

Improving documentation of dyspnea in thoracic, pancreatic, and colorectal cancers 2018-Present

- Identified Quality Oncology Practice Initiative (QOPI) deficiencies within the UFHCC
- Implemented measures to improve awareness and documentation of dyspnea amongst UF providers

Publications

1. **Liu, Z**, Zhang, S, Horn, B, Moreb, J. Post Autologous Stem Cell Transplantation Engraftment Syndrome: Improved Treatment and Outcomes. (2020) *Clinical Transplantation*. Early Review (<https://doi.org/10.1111/ctr.13797>)
2. **Liu Z**, Markham M, Mandernach MW. Marginal Zone Lymphoma-Associated Antiphospholipid Antibodies Successfully Treated with Bendamustine Rituximab. *BMJ Case Reports CP* 2019;12:e224636. (PMID: 30872333)
3. Zhu Y, Chen M, Gong YH, **Liu Z-Y**, Li A, Kang D, Han F, Liu JW, Liu J, and Yuan Y. (2015) Helicobacter pylori FKBP-type PPIase promotes gastric epithelial cell proliferation and anchorage-independent growth through activation of ERK-mediated mitogenic signaling pathway. *FEMS Microbiol Lett.* 362(7): 1-9, pii: fnv023. (PMID: 25687921)
4. Yu, Y, Zeng, P, Xiong, J, **Liu, Z-Y**, Berger, SL, Merlino, G. (2010) Epigenetic drugs can stimulate metastasis through enhanced expression of the pro-metastatic Ezrin gene. *PLoS One.* 5(9), e12710. (PMID: 20856924)
5. Sun, X-H, **Liu, Z-Y**, Chen, H., Beardsley, A.R., Qi, Q., and Liu, J. (2009) A conserved sequence in caveolin-1 is both necessary and sufficient for caveolin polarity and cell directional migration. *FEBS Lett.* 583, 3681-9. (PMID: 19854179)

Oral Presentations

- Small Cell Lung Cancer. University of Florida Hematology/Oncology Fellow Conference. Gainesville, FL 2019
- Immune Hemolytic Anemia. University of Florida Hematology/Oncology Fellow Conference. Gainesville, FL 2019
- Esophageal Cancer. University of Florida Hematology/Oncology Fellow Conference. Gainesville, FL 2019
- Multiple Myeloma. University of Florida Hematology/Oncology Fellow Conference. Gainesville, FL 2018
- Early Stage Non-Small Cell Lung Cancer. University of Florida Hematology/Oncology Fellow Conference. Gainesville, FL 2017

Poster Presentations

National/International Meetings

1. **Liu, Z**. (2019). Post Autologous Stem Cell Transplant Engraftment Syndrome: Improved Treatment and Outcomes. Transplantation & Cellular Therapy Meetings of ASBMT and CIBMTR; Houston, TX.
2. **Liu, Z-Y**, Merlino, G., and Yu, Y. (2010) Over-expression of FcγRIIB in melanoma promotes tumor metastasis. Poster presented at: The 5th Undergraduate Student Caucus and Poster Competition, AACR 101st Annual Meeting 2010, April 17, 2010, Washington, DC.

Local/Regional Meetings

3. **Liu, Z-Y**. (2015). Management of Catheter-Associated Thrombus in a Patient with Massive Pulmonary Embolism Poster presented at: American College of Physicians New Mexico Chapter Meeting; Albuquerque, NM.
4. Jain, A, **Liu, Z-Y**. (2013) Mild prolactin elevation caused by pituitary macroadenomas. Poster presented at: West Virginia Chapter of the American College of Physicians Scientific Meeting, October 17-19, 2013, Stonewall Resort, Roanoke, WV.
5. Jain, A, **Liu, Z-Y**. (2013) Clinical manifestation and diagnosis of copper deficiency. Poster presented at: West Virginia Chapter of the American College of Physicians Scientific Meeting, October 17-19, 2013, Stonewall Resort, Roanoke, WV.
6. **Liu, Z-Y**, and Frisch, S (2007) Effect of caspase-resistant MEKK-1 on EGF-induced cell migration. Poster presented at: WVU Cancer Institute Summer Undergraduate Research Symposium, August 2007, Morgantown, WV.

Other Scholarly Products

01/2018 – Present

University of Florida, Florida, United States

Phase I single arm study of Alpelisib + Luseogliflozin for advanced ER+ breast cancer with mutated PI3K, inactivated PTEN
PI: Coy Heldermon
Role: Concept design and main protocol writer for purposed phase I study

01/2018 – Present
University of Florida, Florida, United States
The Role of the Intestinal Microbiota in the Development of Anxiety and Depression in Breast Cancer Patients Receiving Chemotherapy
PI: Coy Heldermon
Role: Patient recruitment and data management

09/2018 – Present
University of Florida, Florida, United States
Institutional review of second primary malignancies in patients with multiple myeloma after autologous stem cell transplantation.
PI: Jan Moreb
Role: Assisted with data collection and manuscript drafting for this retrospective analysis

09/2018 – Present
University of Florida, Florida, United States
Risk adoptive approach to prescribing lenalidomide maintenance in multiple myeloma (MM) patients after autologous stem cell transplant (ASCT)
PI: Jan Moreb
Role: Assisted with data collection and manuscript drafting for this retrospective analysis

10/2015 – 06/2017
University of New Mexico, NM, United States
PI: Ian Rabinowitz
Role: Drafted IRB protocol for phase I trial on pioglitazone as adjuvant therapy for CML patient on tyrosine kinase inhibitors (TKIs).

06/2012 – 08/2012
West Virginia University Cancer Institute, WV, United States
PI: Yanmei Zhu
Investigate the signaling pathway mediating Helicobacter pylori peptidyl-prolyl cis-trans isomerase-induced gastric epithelial cell transformation

09/2008 – 07/2010
National Cancer Institute, NIH, MD, United States
PI: Glenn Merlino
Role: Investigate the role of Fc gamma receptor II-b in proliferation, apoptosis and migration of melanoma cells. Developed animal tumor model to assess the role of Fc gamma receptor II-b in melanoma metastasis

06/2007 – 08/2008
West Virginia University Cancer Institute, WV, United States
PI: Steve Frisch
Role: Created mutant form of MEKK-1. Generated stable cell line expressing either wild-type or mutant MEKK-1. Investigated the effect of caspase-resistant MEKK-1 on EGF-induced cell motility.

Language Fluency

English (Native/functionally native)
Chinese (Native/functionally native)

Hobbies and Interests

I am an avid runner. I enjoy weight lifting, traveling, and good food.