

CURRICULUM VITAE

Personal Information

Name: JingYuan Liu
Work Address: 2443 Derek Dr. Carmel, Indiana
Telephone: (317) 341-1100 (cell)
E-mail: JingYuan.Liu@UToledo.Edu

Education

1991-1995	B.Sc.in Biochemistry	Department of Biochemistry Shandong University, China
1995-1998	M.Sc. in Molecular Genetics	Institute of Genetics Chinese Academy of Sciences, China
1998-2004	Ph.D. in Structure Biology	

cores

Total Costs:\$15,000;Date:2012-2013

Role:PI

ACS Institutional Grant

A novel approach targeting "undruggable" oncogenic protein dimers for drug discovery

Total Costs:\$40,000;Dates:2013-2014

Role:PI

Showalter Young Investigator Grant

Characterization of Newly Synthesized Lead Analogs Targeting Survivin for Cancer Treatment

Total Costs:\$60,000;Dates:2015-2017

Role:PI

NIH/NCI (R41 CA19577)

A Novel STAT3 Inhibitor Targeting its DNA-Binding Site for Drug Development

Total Costs:\$225,000 (Direct Costs:\$204,000); Dates: 2012-2018 (NCE)

Role:PI

DOD Prostate Cancer Research Program (PC131242)

Targeting survivin to overcome acquired taxane resistance in prostate cancer chemotherapy

Total Costs:\$584,999 (Direct Cost:\$375,000) Dates:2014-2018 (NCE)

Role:Co-I

Invited Presentations

2013 Department of Chemistry & Chemical Biology, Indiana University-Purdue University at Indianapolis, Indianapolis, IN

2014 Department of Chemistry and Biochemistry, Andrews University, Berrien Springs, MI

2015 The 15th SCBA International Symposium, Taipei, Taiwan

2015 EDT program, Indiana University, Cancer Center, Indianapolis, IN

2016 Biomolecular Science Institute, Florida International University, Miami, FL

2018 College of Pharmacy, Ohio State University, Columbus, OH

Publications (* corresponding author).

1. Timm, D.E.; Liu, J.Y.; Baker, L.J.; Harris, R.A. Crystal structure of thiamin pyrophosphokinase. *Mol Biol* 310(1): 195-204; 2001.
2. Liu, J.Y.; Timm, D.E.; Harris, R.A.; Hurley, T.D. Studies in the structure and function of thiamin pyrophosphokinase. In: Patel MS, Jordan F, editors. *Thiamine: Catalytic mechanism and role in normal and disease states*. New York: Marcel Dekker. 2002.
3. Liu, J.Y.; Timm, D.E.; Hurley, T.D. Pyriithiamine as a substrate for New York



27. Li, D.; Fang, S.; and Liu, J.Y.* Principles and predictions of specific protein-protein interactions (manuscript in preparation).
28. Babula, J.; Yadav, R.P.; and Liu, J.Y.* Distinct properties of conserved 14-3-3 human isoforms revealed by molecular dynamic simulation and SAXS (manuscript in preparation)
29. Babula, J.; Zhang, J.T. and Liu, J.Y.* Parallel vs antiparallel conformation of nonphosphorylated STAT1 (manuscript in preparation)

Patent

1. Inhibitors Targeting the DNA Binding Domain of Human STAT3 for Treatment of Metastatic Cancers (provisional patent application, 61/883,814 filed on July 27, 2013, PCT filed on September 24, 2014; PCT/US2015/0094353) (US Patent #9,382,204 issued on July 5, 2016).
2. Survivin targeting anti tumor agents and uses thereof (provisional patent, 62/162 291, filed on May 15, 2015, PCT filed on May 14, 2016)
3. Combination drug therapy reduces PARP related DNA repair and increase the efficacy of genotoxic agents. (provisional patent, 62/403,423, filed on October 10, 2016, PCT filed on October 10, 2017)