

Ready to start planning your care? Call us at [800-525-2225](tel:800-525-2225) to make an appointment.

×



Memorial Sloan Kettering
Cancer Center

[About Us](#)
[Sloan Kettering Institute](#)
[The Xiaolan Zhao Lab](#)

[Research](#)

Xianpeng Liu

[Education & Training](#)
Former Postdoctoral Fellow

[News & Events](#)

Current Position

Research Assistant Professor of Surgery, Northwestern University

[Open Positions](#)

Publications

Kurihara C, Lecuona E, Wu Q, Yang W, Núñez-Santana FL, Akbarpour M, Liu X, Ren Z, Li W, Querrey M, Ravi S, Anderson ML, Cerier E, Sun H, Kelly ME, Abdala-Valencia H, Shilatifard A, Mohanakumar T, Budinger GRS, Kreisel D, Bharat A. [Crosstalk between nonclassical monocytes and alveolar macrophages mediates transplant ischemia-reperfusion injury through classical monocyte recruitment](#). JCI Insight. 2021 Mar 22;6(6):e147282. doi: 10.1172/jci.insight.147282. PMID: 33621212; PMCID: PMC8026186.

Yang W, Chiu S, Querrey M, Liu X, Wu Q, Cerier E, Islam MBAR, Schwulst SJ, Budinger GRS, Mohanakumar T, Lecuona E, Bharat A. [Nonclassical Monocytes Promote Edema in Lung Allografts from Traumatic Brain Injury Donors](#). Am J Respir Cell Mol Biol. 2021 Mar;64(3):391-394. doi: 10.1165/rcmb.2020-0137LE. PMID: 33646091; PMCID: PMC7909336.

Akbarpour M, Wu Q, Liu X, Sun H, Lecuona E, Tomic R, Bhorade S, Mohanakumar T, Bharat A. [Clinical relevance of lung-restricted antibodies in lung transplantation](#). Hum Immunol. 2019 Aug;80(8):595-601. doi: 10.1016/j.humimm.2019.04.016. Epub 2019 May 8. PMID: 31078336; PMCID: PMC6844365.

Bhuripanyo K, Wang Y, Liu X, Zhou L, Liu R, Duong D, Zhao B, Bi Y, Zhou H, Chen G, Seyfried NT, Chazin WJ, Kiyokawa H, Yin J. [Identifying the substrate proteins of U-box E3s E4B and CHIP by orthogonal ubiquitin transfer](#). Sci Adv. 2018 Jan 3;4(1):e1701393. doi: 10.1126/sciadv.1701393. PMID: 29326975; PMCID: PMC5756662.

Wang Y, Liu X, Zhou L, Duong D, Bhuripanyo K, Zhao B, Zhou H, Liu R, Bi Y, Kiyokawa H, Yin J. [Identifying the ubiquitination targets of E6AP by orthogonal ubiquitin transfer](#). Nat Commun. 2017 Dec 20;8(1):2232. doi: 10.1038/s41467-017-01974-7. PMID: 29263404; PMCID: PMC5738348.

Liu X, Sun L, Gursel DB, Cheng C, Huang S, Rademaker AW, Khan SA, Yin J, Kiyokawa H. [The non-canonical ubiquitin activating enzyme UBA6 suppresses epithelial-mesenchymal transition of mammary epithelial cells](#). Oncotarget. 2017 Sep 15;8(50):87480-87493. doi: 10.18632/oncotarget.20900. PMID: 29152096; PMCID: PMC5675648.

Liu X, Zhao B, Sun L, Bhuripanyo K, Wang Y, Bi Y, Davuluri RV, Duong DM, Nanavati D, Yin J, Kiyokawa H. [Orthogonal ubiquitin transfer identifies ubiquitination substrates under differential control by the two ubiquitin activating enzymes](#). Nat Commun. 2017 Jan 30;8:14286. doi: 10.1038/ncomms14286. PMID: 28134249; PMCID: PMC5290280.

Hang LE, Lopez CR, Liu X, Williams JM, Chung I, Wei L, Bertuch AA, Zhao X. [Regulation of Ku-DNA association by Yku70 C-terminal tail and SUMO modification](#). J Biol Chem. 2014 Apr 11;289(15):10308-17. doi: 10.1074/jbc.M113.526178. Epub 2014 Feb 24. PubMed [PMID: 24567323]; PubMed Central PMCID: PMC4036155.

Hang LE, Liu X, Cheung I, Yang Y, Zhao X. [SUMOylation regulates telomere length homeostasis by targeting Cdc13](#). Nat Struct Mol Biol. 2011 Jul 10;18(8):920-6. doi: 10.1038/nsmb.2100. PubMed [PMID: 21743457]; PubMed Central PMCID: PMC3291484.

Duan X, Sarangi P, Liu X, Rangi GK, Zhao X, Ye H. [Structural and functional insights into the roles of the Mms21 subunit of the Smc5/6 complex](#). Mol Cell. 2009 Sep 11;35(5):657-68. doi: 10.1016/j.molcel.2009.06.032. PubMed [PMID: 19748359]; PubMed Central PMCID: PMC2993495.

Takahashi Y, Dulev S, Liu X, Hiller NJ, Zhao X, Strunnikov A. [Cooperation of sumoylated chromosomal proteins in rDNA maintenance](#). PLoS Genet. 2008 Oct;4(10):e1000215. doi: 10.1371/journal.pgen.1000215. Epub 2008 Oct 10. PubMed [PMID: 18846224]; PubMed Central PMCID: PMC2563031.

Palancade B, Liu X, Garcia-Rubio M, Aguilera A, Zhao X, Doye V. [Nucleoporins prevent DNA damage accumulation by modulating Ulp1-dependent sumoylation processes](#). Mol Biol Cell. 2007 Aug;18(8):2912-23. doi: 10.1091/mbc.e07-02-0123. Epub 2007 May 30. PubMed [PMID: 17538013]; PubMed Central PMCID: PMC1949349.



About Us

Overview

Leadership

Administration

History

Contact Us



Research

Overview

Research programs

Research labs

Core facilities & resources

Education & Training

Overview

Postdoctoral training

Gerstner Sloan Kettering Graduate School

[Joint graduate programs](#)

[Programs for college & high school students](#)

▾ News & Events

[Overview](#)

[Seminars & events](#)

▾ Open Positions

[Overview](#)

[Faculty positions](#)

[Postdoctoral positions](#)

[Communication preferences](#)

[Cookie preferences](#)

[Legal disclaimer](#)

[Accessibility Statement](#)

[Privacy policy](#)

[Public notices](#)

© 2024 Memorial Sloan Kettering Cancer Center