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Graduate School of Biomedical Sciences

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[Cancer Biology](#)
Lisa Hang

Former Graduate Student
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Education

BA in Biology/Psychology, Cornell University, Ithaca; PhD Student, Weill Graduate School of Medical Sciences of Cornell University

Current Position

Oncology Scientist/Medical Writer, National Comprehensive Cancer Network (NCCN), Plymouth Meeting, PA, USA

Publications

- Wan B, Hang LE, Zhao X. [Multi-BRCT scaffolds use distinct strategies to support genome maintenance.](#) Cell Cycle. 2016 Oct;15(19):2561-2570. doi: 10.1080/15384101.2016.1218102. Epub 2016 Aug 11. Review. PubMed PMID: 27580271; PubMed Central PMCID: PMC5053572.
- Hang L, Zhao X. [The Rtt107 BRCT scaffold and its partner modification enzymes collaborate to promote replication.](#) Nucleus. 2016 Jul 3;7(4):346-51. doi: 10.1080/19491034.2016.1201624. Epub 2016 Jul 6. Review. PubMed PMID: 27385431; PubMed Central PMCID: PMC5038998
- Silva S, Altmannova V, Eckert-Boulet N, Kolesar P, Gallina I, Hang L, Chung I, Arneric M, Zhao X, Buron LD, Mortensen UH, Krejci L, Lisby M. [SUMOylation of Rad52-Rad59 synergistically change the outcome of mitotic recombination.](#) DNA Repair (Amst). 2016 Jun;42:11-25. doi: 10.1016/j.dnarep.2016.04.001. Epub 2016 Apr 16. PubMed PMID: 27130983; PubMed Central PMCID: PMC5051639.
- Hang LE, Peng J, Tan W, Szakal B, Menolfi D, Sheng Z, Lobachev K, Branzei D, Feng W, Zhao X. [Rtt107 Is a Multi-functional Scaffold Supporting Replication Progression with Partner SUMO and Ubiquitin Ligases.](#) Mol Cell. 2015 Oct 15;60(2):268-79. doi: 10.1016/j.molcel.2015.08.023. Epub 2015 Oct 1. PubMed PMID: 26439300; PubMed Central PMCID: PMC4609303.
- 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.
- Yong-Gonzales V, Hang LE, Castellucci F, Branzei D, Zhao X. [The Smc5-Smc6 complex regulates recombination at centromeric regions and affects kinetochore protein sumoylation during normal growth.](#) PLoS One. 2012;7(12):e51540. doi: 10.1371/journal.pone.0051540. Epub 2012 Dec 20. PubMed PMID: 23284708; PubMed Central PMCID: PMC3527468.
- Cremona CA, Sarangi P, Yang Y, Hang LE, Rahman S, Zhao X. [Extensive DNA damage-induced sumoylation contributes to replication and repair and acts in addition to the mec1 checkpoint.](#) Mol Cell. 2012 Feb 10;45(3):422-32. doi: 10.1016/j.molcel.2011.11.028. Epub 2012 Jan 26. PubMed PMID: 22285753; PubMed Central PMCID: PMC3340930.
- Hang LE, Zhao X. [SUMO bridges Elg1 and SUMO interactors.](#) Cell Cycle. 2011 Nov 1;10(21):3628. doi: 10.4161/cc.10.21.18032. Epub 2011 Nov 1. PubMed PMID: 22024917.

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.



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