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The Yu Chen Lab

Medication & Supportive Care & Treatment

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Our mission, vision & core values

Leadership

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ranl@sloankettering.edu

Dissertation

[Understanding and Targeting ETV1 in Sarcomas \(2016\)](#)

Mentor

[Ping Chi, MD, PhD](#)

Start Year

2011

End Year

2016

Education

Tsinghua University

To state it simply: I want to understand more about the world. I want to help cure cancer. And science makes that possible. It allows me to explore the unknown and solve problems. Pursing my PhD gives me the flexibility to determine if I want to become a professor in the future. But whether I take that path or another, graduate work at Gerstner Sloan Kettering has offered me the opportunity to study at the best cancer institute in the world, and the benefits of such a collaborative environment will resonate if I continue in cancer medicine research or not.

Publications

[Lu C, Jain SU, Hoelper D, Bechet D, Molden RC, Ran L, Murphy D, Venneti S, Hameed M, Pawel BR, Wunder JS, Dickson BC, Lundgren SM, Jani KS, De Jay N, Papillon-Cavanagh S, Andrulis IL, Sawyer SL, Grynspan D, Turcotte RE, Nadaf J, Fahiminiyah S, Muir TW, Majewski J, Thompson CB, Chi P, Garcia BA, Allis CD, Jabado N, Lewis PW. \(2016\) Histone H3K36 mutations promote sarcomagenesis through altered histone methylation landscape. *Science*. 352, 844-849. PMID: PMC4928577](#)

[Wiesner T, Lee W, Obenauf AC, Ran L, Murali R, Zhang QF, Wong EW, Hu W, Scott SN, Shah RH, Landa I, Button J, Lailier N, Sboner A, Gao D, Murphy DA, Cao Z, Shukla S, Hollmann TJ, Wang L, Borsu L, Merghoub T, Schwartz GK, Postow MA, Ariyan CE, Fagin JA, Zheng D, Ladanyi M, Busam KJ, Berger MF, Chen Y, Chi P. \(2015\) Alternative transcription initiation leads to expression of a novel ALK isoform in cancer. *Nature*. 526, 453-7. PMID: PMC4807020.](#)

[Ran L, Sirota I, Cao Z, Murphy D, Chen Y, Shukla S, Xie Y, Kaufmann MC, Gao D, Zhu S, Rossi F, Wongvipat J, Taguchi T, Tap WD, Mellinghoff IK, Besmer P, Antonescu CR, Chen Y, Chi P. \(2015\) Combined inhibition of MAP kinase and KIT signaling synergistically destabilizes ETV1 and suppresses GIST tumor growth. *Cancer Discov.*, 5, 304-15. PMID: PMC4355391.](#)

[Sheth A, Escobar-Alvarez S, Gardner J, Ran L, Heaney ML, Scheinberg DA. \(2014\) Inhibition of human mitochondrial peptide deformylase causes apoptosis in c-myc-overexpressing hematopoietic cancers. *Cell Death Dis.*, 5, e1152. PMID: PMC3973238.](#)

[Gao D, Vela I, Sboner A, Iaquinta PJ, Karthaus WR, Gopalan A, Dowling C, Wanjala JN, Undvall EA, Arora VK, Wongvipat J, Kossai M, Ramazanoglu S, Barboza LP, Di W, Cao Z, Zhang QF, Sirota I, Ran L, MacDonald TY, Beltran H, Mosquera JM, Touijer KA, Scardino PT, Laudone VP, Curtis KR, Rathkopf DE, Morris MJ, Danila DC, Slovin SF, Solomon SB, Eastham JA, Chi P, Carver B, Rubin MA, Scher HI, Clevers H, Sawyers CL, Chen Y. \(2014\) Organoid cultures derived from patients with advanced prostate cancer. *Cell*, 159, 176-87. PMID: PMC4237931.](#)

[Lee W, Teckie S, Wiesner T, Ran L, Prieto Granada CN, Lin M, Zhu S, Cao Z, Liang Y, Sboner A, Tap WD, Fletcher JA, Huberman KH, Qin LX, Viale A, Singer S, Zheng D, Berger MF, Chen Y, Antonescu CR, Chi P. \(2014\) PRC2 is recurrently inactivated through EED or SUZ12 loss in malignant peripheral nerve sheath tumors. *Nat Genet.*, 46, 1227-32. PMID: PMC4249650.](#)



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