



CURRICULUM VITAE

Linghua Wang, M.D., Ph.D.

PRESENT TITLE AND AFFILIATION

Primary Appointment

Associate Professor (Term Tenure), Department of Genomic Medicine, Division of Cancer Medicine, The University of Texas MD Anderson Cancer Center, Houston, TX

Dual/Joint/Adjunct Appointment

Regular Member, The University of Texas MD Anderson Cancer Center UTHealth Graduate School of Biomedical Sciences (GSBS), Houston, TX

OFFICE ADDRESS

The University of Texas MD Anderson Cancer Center
Department of Genomic Medicine
1881 East Road, 3SCR6.4111
Unit Number: 1954
Houston, TX 77054
Phone: 713-562-7918
Email: LWang22@mdanderson.org

EDUCATION

Degree-Granting Education

Shandong First Medical University (Shandong Academy of Medical Sciences), (formerly Taishan Medical University), Tai'an, Shandong, China, B.S., Jul 2003, **Clinical Medicine**

Sun Yat-Sen University, Graduate School of Medicine, Guangzhou, Guangdong, China, M.D., Jul 2006, **Ophthalmology**

The University of Tokyo, Graduate School of Engineering, Research Center for Advanced Science and Technology (RCAST), Tokyo, Japan, Ph.D., Sep 2011, **Cancer Genomics**

Postgraduate Training

Research Fellow, Cancer Genetics, Nihon University School of Medicine, Tokyo, Japan, Hiroki Nagase, 10/2007-9/2008

Post-doctoral Associate, Cancer Genomics, Human Genome Sequencing Center, Department of Molecular and Human Genetics, Baylor College of Medicine, Houston, TX, David A. Wheeler (Mentor), 1/2012-1/2014

EXPERIENCE/SERVICE

Academic Appointments

Assistant Professor (Tenure-track), Department of Genomic Medicine, Division of Cancer Medicine, The University of Texas MD Anderson Cancer Center, Houston, TX, 3/2017-8/2022

Assistant Professor (Research), Human Genome Sequencing Center, Department of Molecular

and Human Genetics, Baylor College of Medicine, Houston, TX, 7/2015-2/2017

Instructor, Human Genome Sequencing Center, Department of Molecular and Human Genetics, Baylor College of Medicine, Houston, TX, 1/2014-6/2015

Other Appointments/Responsibilities

Scientific Editor, Cancer Discovery, AACR, 3/2023-3/2026

Member, Allison Institute Advisory Council (AIAC), The James P. Allison Institute (JPAI), University of Texas MD Anderson Cancer Center, Houston, TX, 2022 - Present

Member, MD Anderson Core Facility Oversight Board, University of Texas MD Anderson Cancer Center, Houston, TX, 2022 - Present

Lead of Data Analysis and Visualization Unit, NCI U24 (PI Maitra), 2022 – 2027

Co-Lead of BTC Data Science Team (Aims #1 and #5, 2022 – 2027)

Lead of Data Science at MDACC, Break Through Cancer KRAS Project, 2022 – 2025

Lead of Data Science at MDACC, Break Through Cancer MRD Project, 2022 - 2025

Member, CCSG Program, The University of Texas MD Anderson Cancer Center, Houston, TX, 2020-present

Member, Gyn Cancer Program, The University of Texas MD Anderson Cancer Center, Houston, TX, 2020-present

Member, Cancer Biology and Metastasis Program, The University of Texas MD Anderson Cancer Center, Houston, TX, 2020-present

HONORS AND AWARDS

Emil Frei, III Award for Excellence in Translational Research, DoCM, MDACC, 2022

CPRIT Individual Investigator Research Award (IIRA), CPRIT, PI. 2020-2023

CPRIT Individual Investigator Research Award (IIRA), CPRIT, MPI. 2022-2025.

Sabin Fellow Award, Sabin Family Foundation, 2019-2021

Lung SPORE CEP Award, NIH/NCI, 2020-2021

Ovarian SPORE CEP Award, NIH/NCI, 2020-2021

Institutional Research Grant (IRG) Award, MDACC, 2019-2021

Institutional Research Grant (IRG) Award, MDACC, 2021-2022

Women in Science, Women's History Month, MDACC, 3/2021

Co-Chair, BCS01 Session, AACR Annual Meeting 2022

Co-Chair, Big Data & Bioinformatics (Plenary Session), SITC Annual Meeting 2022

Chair, Session 35 (Statistical methods for omics data), ENAR 2023 Spring Meeting, 2023

Keynote Speaker, AI, Systems & Spatial Biology in Oncology Conference, Mayo Clinic, 2023

Invited Speaker, Major Symposium (B cell Responses and Tertiary Lymphoid Structures in Cancer), AACR Annual Meeting 2023. Apr 14-19, 2023.

Invited Speaker, ENAR 2023 Spring Meeting, Mar 19-22, 2023

Invited Speaker, SITC Annual Meeting 2022

Invited Speaker, Frontiers in Cancer Immunotherapy Annual Symposium, May 2022

Invited Speaker, Single-Cell Cancer Biology Gordon Research Conference, Jun 2022
Invited Speaker, Annual Meeting of the European Society of Human Genetics, Aug 29, 2021
Invited Speaker, the Leading Edge of Cancer Research Symposium, MDACC, Nov 5, 2021
Invited Speaker, 5th Think Tank on Advancing Gastroesophageal Cancer Research, Nov 18, 2021
Invited Speaker, NCI sponsored session, AACR Annual Meeting, AACR, 2017
Invited Speaker, Human Genome Meeting, HUGO, 2016

RESEARCH

Grant Reviewer/Service on Study Sections

Grant Review Panel, ZCA1 RTRB-F (M2) R Study Section, NIH/NCI, 2023
Grant Review Panel, ZCA1 TCRB-9 (M2) R Study Section, NIH/NCI, 2023
Grant Review Panel, ZRG1 BTC-W (80) Study Section, NIH/NCI, 2022
Grant Review Panel, TME Study Section, NIH/NCI, 2022
Grant Review Panel, Oncological Sciences F09C fellowship, NIH/CSR, 2023
Grant Review Panel, Cancer Cell Biology and Preclinical Cancer Research, American Cancer Society (ACS), 2022

PUBLICATIONS

Peer-Reviewed Original Research Articles

1. Wang Z, Ge J, Huang B, Gao Q, Liu B, **Wang L**, Yu L, Fan Z, Lu X, Liu J. Differentiation of embryonic stem cells into corneal epithelium. *Sci China C Life Sci.* 2005;48(5):471-80. Epub 2005/12/01. doi: 10.1360/04yc0050. PubMed PMID: 16315598.
2. **Wang L**, Chen D, Wang Z. New technique for lacrimal system intubation. *Am J Ophthalmol.* 142(2):252-8, 8/2006. PMID: 16876505.
3. Chen M, Matsuda H, **Wang L**, Watanabe T, Kimura MT, Igarashi J, Wang X, Sakimoto T, Fukuda N, Sawa M, Nagase H. Pretranscriptional regulation of Tgf-beta1 by PI polyamide prevents scarring and accelerates wound healing of the cornea after exposure to alkali. *Mol Ther.* 18(3):519-27, 3/2010. PMID: 19920805.
4. Totoki Y, Tatsuno K, Yamamoto S, Arai Y, Hosoda F, Ishikawa S, Tsutsumi S, Sonoda K, Totsuka H, Shirakihara T, Sakamoto H, **Wang L**, Ojima H, Shimada K, Kosuge T, Okusaka T, Kato K, Kusuda J, Yoshida T, Aburatani H, Shibata T. High-resolution characterization of a hepatocellular carcinoma genome. *Nature Genetics* 43(5):464-9, 5/2011. e-Pub 4/2011. PMID: 21499249.
5. **Wang L**, Tsutsumi S, Kawaguchi T, Nagasaki K, Tatsuno K, Yamamoto S, Sang F, Sonoda K, Sugawara M, Saiura A, Hirono S, Yamaue H, Miki Y, Isomura M, Totoki Y, Nagae G, Isagawa T, Ueda H, Murayama-Hosokawa S, Shibata T, Sakamoto H, Kanai Y, Kaneda A, Noda T, Aburatani H. Whole-exome sequencing of human pancreatic cancers and characterization of genomic instability caused by MLH1 haploinsufficiency and complete deficiency. *Genome Res* 22(2):208-19, 2/2012. e-Pub 12/2011. PMCID: PMC3266029.
6. Ikeda Y, Oda K, Nakagawa S, Murayama-Hosokawa S, Yamamoto S, Ishikawa S, **Wang L**, Takazawa Y, Maeda D, Wada-Hiraike O, Kawana K, Fukayama M, Aburatani H, Yano T, Kozuma S, Taketani Y. Genome-wide single nucleotide polymorphism arrays as a diagnostic tool in patients with synchronous endometrial and ovarian cancer. *Int J Gynecol Cancer* 22(5):725-31, 6/2012. PMID: 22635024.
7. **Wang L**, Swierczek SI, Lanikova L, Kim SJ, Hickman K, Walker K, Wang K, Drummond J, Doddapaneni H, Reid JG, Muzny DM, Gibbs RA, Wheeler DA, Prchal JT. The relationship of JAK2(V617F) and acquired UPD at chromosome 9p in polycythemia vera. *Leukemia* 28(4):938-41, 4/2014. e-Pub 1/2014. PMCID: PMC4532371.

8. **Wang L**, Swierczek SI, Drummond J, Hickman K, Kim SJ, Walker K, Doddapaneni H, Muzny DM, Gibbs RA, Wheeler DA, Prchal JT. Whole-exome sequencing of polycythemia vera revealed novel driver genes and somatic mutation shared by T cells and granulocytes. *Leukemia* 28(4):935-8, 4/2014. e-Pub 1/2014. PMID: PMC4532385.
9. **Wang L**, Yamaguchi S, Burstein MD, Terashima K, Chang K, Ng HK, Nakamura H, He Z, Doddapaneni H, Lewis L, Wang M, Suzuki T, Nishikawa R, Natsume A, Terasaka S, Dauser R, Whitehead W, Adekunle A, Sun J, Qiao Y, Marth G, Muzny DM, Gibbs RA, Leal SM, Wheeler DA, Lau CC. Novel somatic and germline mutations in intracranial germ cell tumours. *Nature* 511(7508):241-5, 7/2014. e-Pub 6/2014. PMID: PMC4532372.
10. Arai E, Sakamoto H, Ichikawa H, Totsuka H, Chiku S, Gotoh M, Mori T, Nakatani T, Ohnami S, Nakagawa T, Fujimoto H, **Wang L**, Aburatani H, Yoshida T, Kanai Y. Multilayer-omics analysis of renal cell carcinoma, including the whole exome, methylome and transcriptome. *Int J Cancer* 135(6):1330-42, 9/2014. e-Pub 5/2014. PMID: PMC4235299.
11. Chakraborty R, Hampton OA, Shen X, Simko SJ, Shih A, Abhyankar H, Lim KP, Covington KR, Trevino L, Dewal N, Muzny DM, Doddapaneni H, Hu J, **Wang L**, Lupo PJ, Hicks MJ, Bonilla DL, Dwyer KC, Berres ML, Poulidakos PI, Merad M, McClain KL, Wheeler DA, Allen CE, Parsons DW. Mutually exclusive recurrent somatic mutations in MAP2K1 and BRAF support a central role for ERK activation in LCH pathogenesis. *Blood* 124(19):3007-15, 11/2014. e-Pub 9/2014. PMID: PMC4224195.
12. **Wang L**, Ni X, Covington KR, Yang BY, Shiu J, Zhang X, Xi L, Meng Q, Langridge T, Drummond J, Donehower LA, Doddapaneni H, Muzny DM, Gibbs RA, Wheeler DA, Duvic M. Genomic profiling of Sézary syndrome identifies alterations of key T cell signaling and differentiation genes. *Nature Genetics* 47(12):1426-34, 12/2015. e-Pub 11/2015. PMID: PMC4829974.
13. #Eckstein OS, # **Wang L**, Punia JN, Kornblau SM, Andreeff M, Wheeler DA, Goodell MA, Rau RE. Mixed-phenotype acute leukemia (MPAL) exhibits frequent mutations in DNMT3A and activated signaling genes. *Exp Hematol* 44(8):740-4, 8/2016. e-Pub 5/2016. PMID: PMC4956537. [#Co-First]
14. Lanikova L, Babosova O, Swierczek S, **Wang L**, Wheeler DA, Divoky V, Korinek V, Prchal JT. Coexistence of gain-of-function JAK2 germ line mutations with JAK2V617F in polycythemia vera. *Blood* 128(18):2266-2270, 11/2016. e-Pub 9/2016. PMID: PMC5095759.
15. Goschzik T, Gessi M, Dreschmann V, Gebhardt U, **Wang L**, Yamaguchi S, Wheeler DA, Lauriola L, Lau CC, Müller HL, Pietsch T. Genomic Alterations of Adamantinomatous and Papillary Craniopharyngioma. *J Neuropathol Exp Neurol*. e-Pub 1/2017. PMID: 28069929.
16. TCGA-HCC group (including **Wang L**). Comprehensive and Integrative Genomic Characterization of Hepatocellular Carcinoma. *Cell* 169(7):1327-1341.e23, 6/2017. PMID: 28622513. (Equivalently Co-first author)
17. Hoadley KA, Yau C, Hinoue T, Wolf DM, Lazar AJ, Drill E, Shen R, Taylor AM, Cherniack AD, Thorsson V, Akbani R, Bowlby R, Wong CK, Wiznerowicz M, Sanchez-Vega F, Robertson AG, Schneider BG, Lawrence MS, Noushmehr H, Malta TM, Cancer Genome Atlas Network, Stuart JM, Benz CC, Laird PW. Cell-of-Origin Patterns Dominate the Molecular Classification of 10,000 Tumors from 33 Types of Cancer. *Cell* 173(2):291-304.e6, 4/2018. PMID: PMC5957518. (Contributing author)
18. Taylor AM, Shih J, Ha G, Gao GF, Zhang X, Berger AC, Schumacher SE, Wang C, Hu H, Liu J, Lazar AJ, Cancer Genome Atlas Research Network, Cherniack AD, Beroukhim R, Meyerson M. Genomic and Functional Approaches to Understanding Cancer Aneuploidy. *Cancer Cell* 33(4):676-689.e3, 4/2018. e-Pub 4/2018. PMID: PMC6028190. (Contributing author)
19. #Knijnenburg TA, # **Wang L**, #Zimmermann MT, Chambwe N, Gao GF, Cherniack AD, Fan H, Shen H, Way GP, Greene CS, Liu Y, Akbani R, Feng B, Donehower LA, Miller C, Shen Y, Karimi M, Chen H, Kim P, Jia P, Shinbrot E, Zhang S, Liu J, Hu H, Bailey MH, Yau C, Wolf D,

- Zhao Z, Weinstein JN, Li L, Ding L, Mills GB, Laird PW, Wheeler DA, Shmulevich I, Cancer Genome Atlas Research Network, Monnat RJ, Xiao Y, Wang C.. Genomic and molecular landscape of DNA damage repair deficiency across The Cancer Genome Atlas. *Cell Rep* 23(1):239-254.e6, 4/2018. PMID: PMC5961503. [#Co-First]
20. Way GP, Sanchez-Vega F, La K, Armenia J, Chatila WK, Luna A, Sander C, Cherniack AD, Mina M, Ciriello G, Schultz N, Cancer Genome Atlas Research Network, Sanchez Y, Greene CS. Machine Learning Detects Pan-cancer Ras Pathway Activation in The Cancer Genome Atlas. *Cell Rep* 23(1):172-180.e3, 4/2018. PMID: PMC5918694. (Contributing author)
 21. Sanchez-Vega F, Mina M, Armenia J, Chatila WK, Luna A, La KC, Dimitriadou S, Liu DL, Kantheti HS, Saghafein S, Chakravarty D, Daian F, Gao Q, Bailey MH, Liang WW, Foltz SM, Shmulevich I, Ding L, Heins Z, Ochoa A, Gross B, Gao J, Zhang H, Kundra R, Kandoth C, Bahceci I, Dervishi L, Dogrusoz U, Zhou W, Shen H, Laird PW, Way GP, Greene CS, Liang H, Xiao Y, Wang C, Iavarone A, Berger AH, Bivona TG, Lazar AJ, Hammer GD, Giordano T, Kwong LN, McArthur G, Huang C, Tward AD, Frederick MJ, McCormick F, Meyerson M, Cancer Genome Atlas Research Network, Van Allen EM, Cherniack AD, Ciriello G, Sander C, Schultz N. Oncogenic Signaling Pathways in The Cancer Genome Atlas. *Cell* 173(2):321-337.e10, 4/2018. PMID: PMC6070353. (Contributing author)
 22. Saltz J, Gupta R, Hou L, Kurc T, Singh P, Nguyen V, Samaras D, Shroyer KR, Zhao T, Batiste R, Van Arnam J, Cancer Genome Atlas Research Network, Shmulevich I, Rao AUK, Lazar AJ, Sharma A, Thorsson V. Spatial Organization and Molecular Correlation of Tumor-Infiltrating Lymphocytes Using Deep Learning on Pathology Images. *Cell Rep* 23(1):181-193.e7, 4/2018. PMID: PMC5943714. (Contributing author)
 23. Thorsson V, Gibbs DL, Brown SD, Wolf D, Bortone DS, Ou Yang TH, Porta-Pardo E, Gao GF, Plaisier CL, Eddy JA, Ziv E, Culhane AC, Paull EO, Sivakumar IKA, Gentles AJ, Malhotra R, Farshidfar F, Colaprico A, Parker JS, Mose LE, Vo NS, Liu J, Liu Y, Rader J, Dhankani V, Reynolds SM, Bowlby R, Califano A, Cherniack AD, Anastassiou D, Bedognetti D, Rao A, Chen K, Krasnitz A, Hu H, Malta TM, Noushmehr H, Peadarallu CS, Bullman S, Ojesina AI, Lamb A, Zhou W, Shen H, Choueiri TK, Weinstein JN, Guinney J, Saltz J, Holt RA, Rabkin CE, Cancer Genome Atlas Research Network, Lazar AJ, Serody JS, Demicco EG, Disis ML, Vincent BG, Shmulevich L. The Immune Landscape of Cancer. *Immunity* 48(4):812-830.e14, 4/2018. e-Pub 4/2018. PMID: PMC5982584. (Contributing author)
 24. #Shen H, #Shih J, #Hollern DP, #Wang L, Bowlby R, Tickoo SK, Thorsson V, Mungall AJ, Newton Y, Hegde AM, Armenia J, Sánchez-Vega F, Pluta J, Pyle LC, Mehra R, Reuter VE, Godoy G, Jones J, Shelley CS, Feldman DR, Vidal DO, Lessel D, Kulis T, Cárcano FM, Leraas KM, Lichtenberg TM, Brooks D, Cherniack AD, Cho J, Heiman DI, Kasaian K, Liu M, Noble MS, Xi L, Zhang H, Zhou W, Zenklusen JC, Hutter CM, Felau I, Zhang J, Schultz N, Getz G, Meyerson M, Stuart JM, Cancer Genome Atlas Research Network, Akbani R, Wheeler DA, Laird PW, Nathanson KL, Cortessis VK, Hoadley KA. Integrated molecular characterization of testicular germ cell tumors. *Cell Rep* 23(11):3392-3406, 6/2018. PMID: 29898407. [#Co-First]
 25. Bailey MH, Tokheim C, Porta-Pardo E, Sengupta S, Bertrand D, Weerasinghe A, Colaprico A, Wendl MC, Kim J, Reardon B, Kwok-Shing Ng P, Jeong KJ, Cao S, Wang Z, Gao J, Gao Q, Wang F, Liu EM, Mularoni L, Rubio-Perez C, Nagarajan N, Cortés-Ciriano I, Zhou DC, Liang WW, Hess JM, Yellapantula VD, Tamborero D, Gonzalez-Perez A, Suphavitai C, Ko JY, Khurana E, Park PJ, Van Allen EM, Liang H, MC3 Working Group, Cancer Genome Atlas Research Network, Lawrence MS, Godzik A, Lopez-Bigas N, Stuart J, Wheeler D, Getz G, Chen K, Lazar AJ, Mills GB, Karchin R, Ding L. Comprehensive Characterization of Cancer Driver Genes and Mutations. *Cell* 174(4):1034-1035, 8/2018. PMID: 30096302. (Contributing author)
 26. Jain P, Kanagal-Shamanna R, Zhang S, Ahmed M, Ghorab A, Zhang L, Ok CY, Li S, Hagemeister F, Zeng D, Gong T, Chen W, Badillo M, Nomie K, Fayad L, Medeiros LJ, Neelapu S, Fowler N, Romaguera J, Champlin R, *Wang L, *Wang ML. Long-term outcomes and mutation profiling of patients with mantle cell lymphoma (MCL) who discontinued ibrutinib. *Br J Haematol* 183(4):578-587, 11/2018. e-Pub 9/2018. PMID: 30175400.

[*Senior]

27. Amaria RN, Reddy SM, Tawbi HA, Davies MA, Ross MI, Glitza IC, Cormier JN, Lewis C, Hwu WJ, Hanna E, Diab A, Wong MK, Royal R, Gross N, Weber R, Lai SY, Ehlers R, Blando J, Milton DR, Woodman S, Kageyama R, Wells DK, Hwu P, Patel SP, Lucci A, Hessel A, Lee JE, Gershenwald J, Simpson L, Burton EM, Posada L, Haydu L, **Wang L**, Zhang S, Lazar AJ, Hudgens CW, Gopalakrishnan V, Reuben A, Andrews MC, Spencer CN, Prieto V, Sharma P, Allison J, Tetzlaff MT, Wargo JA. Neoadjuvant immune checkpoint blockade in high-risk resectable melanoma. *Nature Medicine* 24(11):1649-1654, 11/2018. e-Pub 10/2018. PMID: 30297909.
28. Li F, Xu Y, Liu B, Singh PK, Zhao W, Jin J, Han G, Scott AW, Dong X, Huo L, Ma L, Pool Pizzi M, Wang Y, Li Y, Harada K, Xie M, Skinner HD, Ding S, **Wang L**, Krishnan S, Johnson RL, Song S, Ajani JA. YAP1-mediated CDK6 Activation Confers Radiation Resistance in Esophageal Cancer - Rationale for the combination of YAP1 and CDK4/6 inhibitors in Esophageal Cancer. *Clin Cancer Res*. e-Pub 12/2018. PMID: 30563933.
29. Lefrançois P, Xie P, **Wang L**, Tetzlaff MT, Moreau L, Watters AK, Netchiporouk E, Provost N, Gilbert M, Ni X, Sasseville D, Wheeler DA, Duvic M, Litvinov IV. Gene expression profiling and immune cell-type deconvolution highlight robust disease progression and survival markers in multiple cohorts of CTCL patients. *Oncoimmunology* 7(8):e1467856, 2018. e-Pub 5/2018. PMCID: PMC6136868.
30. Zhang L, Yao Y, Zhang S, Liu Y, Guo H, Ahmed M, Bell T, Zhang H, Han G, Lorence E, Badillo M, Zhou S, Sun Y, Di Francesco ME, Feng N, Haun R, Lan R, Mackintosh SG, Mao X, Song X, Zhang J, Pham LV, Lorenzi PL, Marszalek J, Heffernan T, Draetta G, Jones P, Futreal A, Nomie K, ***#Wang L**, ***#Wang M**. Metabolic reprogramming toward oxidative phosphorylation identifies a therapeutic target for mantle cell lymphoma. *Sci Transl Med* 11(491), 5/2019. PMID: 31068440. [*Senior and #Corresponding]
31. Wang R, Song S, Harada K, Ghazanfari Amlashi F, Badgwell B, Pizzi MP, Xu Y, Zhao W, Dong X, Jin J, Wang Y, Scott A, Ma L, Huo L, Vicente D, Blum Murphy M, Shanbhag N, Tatlonghari G, Thomas I, Rogers J, Kobayashi M, Vykoukal J, Estrella JS, Roy-Chowdhuri S, Han G, Zhang S, Mao X, Song X, Zhang J, Gu J, Johnson RL, Calin GA, Peng G, Lee JS, Hanash SM, Futreal A, Wang Z, ***#Wang L**, ***#Ajani JA**. Multiplex profiling of peritoneal metastases from gastric adenocarcinoma identified novel targets and molecular subtypes that predict treatment response. *Gut*, 6/2019. e-Pub 6/2019. PMID: 31171626. [*Senior and #Corresponding]
32. Reddy SM, Reuben A, Barua S, Jiang H, Zhang S, **Wang L**, Gopalakrishnan V, Hudgens CW, Tetzlaff MT, Reuben JM, Tsujikawa T, Coussens LM, Wani K, He Y, Villareal L, Wood A, Rao A, Woodward WA, Ueno NT, Krishnamurthy S, Wargo JA, Mittendorf EA. Poor Response to Neoadjuvant Chemotherapy Correlates with Mast Cell Infiltration in Inflammatory Breast Cancer. *Cancer Immunol Res* 7(6):1025-1035, 6/2019. e-Pub 5/2019. PMID: 31043414.
33. Manasanch EE, Han G, Mathur R, Qing Y, Zhang Z, Lee H, Weber DM, Amini B, Berkova Z, Eterovic K, Zhang S, Zhang J, Song X, Mao X, Morgan M, Feng L, Baladandayuthapani V, Futreal A, ***Wang L**, ***Neelapu SS**, ***Orlowski RZ**. A pilot study of pembrolizumab in smoldering myeloma: report of the clinical, immune, and genomic analysis. *Blood Adv* 3(15):2400-2408, 8/2019. PMCID: PMC6693011. [*Senior]
34. Xu Y, Li Y, Jin J, Han G, Sun C, Pizzi MP, Huo L, Scott A, Wang Y, Ma L, Lee JH, Bhutani MS, Weston B, Vellano C, Yang L, Lin C, Kim Y, MacLeod AR, **Wang L**, Wang Z, Song S, Ajani JA. lncRNA PVT1 up-regulation is a poor prognosticator and serves as a therapeutic target in esophageal adenocarcinoma. *Mol Cancer* 18(1):141, 10/2019. e-Pub 10/2019. PMCID: PMC6785865.
35. Liu J, Huang Z, Yang L, Wang X, Wang S, Li C, Liu Y, Cheng Y, Wang B, Sang X, He X, Wang C, Liu T, Liu J, Jin L, Liu C, Zhang X, **Wang L**, Wang Z. Embryonic Stem Cells Modulate the Cancer-Permissive Microenvironment of Human Uveal Melanoma. *Theranostics* 9(16):4764-4778, 2019. e-Pub 7/2019. PMCID: PMC6643444.
36. Helmink BA, Reddy SM, Gao J, Zhang S, Basar R, Thakur R, Yizhak K, Sade-Feldman M,

- Blando J, Han G, Gopalakrishnan V, Xi Y, Zhao H, Amaria RN, Tawbi HA, Cogdill AP, Liu W, LeBleu VS, Kugeratski FG, Patel S, Davies MA, Hwu P, Lee JE, Gershenwald JE, Lucci A, Arora R, Woodman S, Keung EZ, Gaudreau PO, Reuben A, Spencer CN, Burton EM, Haydu LE, Lazar AJ, Zapassodi R, Hudgens CW, Ledesma DA, Ong S, Bailey M, Warren S, Rao D, Krijgsman O, Rozeman EA, Peeper D, Blank CU, Schumacher TN, Butterfield LH, Zelazowska MA, McBride KM, Kalluri R, Allison J, Petitprez F, Fridman WH, Sautès-Fridman C, Hacohen N, *Rezvani K, *Sharma P, *Tetzlaff MT, *Wang L, *Wargo JA. B cells and tertiary lymphoid structures promote immunotherapy response. **Nature** 577(7791):549-555, 1/2020. e-Pub 1/2020. PMID: 31942075. [*Senior]
37. ICGC/TCGA Pan-Cancer Analysis of Whole Genomes Consortium. Pan-cancer analysis of whole genomes. **Nature** 578(7793):82-93, 2/2020. e-Pub 2/2020. PMCID: PMC7025898. (Contributing author)
38. Jain P, Zhang S, Kanagal-Shamanna R, Ok CY, Nomie K, Gonzalez GN, Gonzalez-Pagan O, Hill HA, Lee HJ, Fayad L, Westin J, Nastoupil L, Hagemester F, Chen W, Oriabure O, Badillo M, Jiang C, Yixin Y, Li S, Tang G, Yin CC, Patel KP, Medeiros LJ, Nair R, Ahmed S, Iyer SP, Thirumurthi S, Champlin R, Xu G, Tinsu P, Santos D, Wang R, Han G, Zhang J, Song X, Neelapu S, Romaguera J, Futreal A, Flowers C, Fowler N, *Wang L, *Wang ML. Genomic profiles and clinical outcomes of de novo blastoid/pleomorphic MCL are distinct from those of transformed MCL. **Blood Adv** 4(6):1038-1050, 3/2020. PMCID: PMC7094021. [*Senior]
39. Naing A, Meric-Bernstam F, Stephen B, Karp DD, Hajjar J, Rodon Ahnert J, Piha-Paul SA, Colen RR, Jimenez C, Raghav KP, Ferrarotto R, Tu SM, Campbell M, Wang L, Sabir SH, Tapia C, Bernatchez C, Frumovitz M, Tannir N, Ravi V, Khan S, Painter JM, Abonofal A, Gong J, Alshawa A, McQuinn LM, Xu M, Ahmed S, Subbiah V, Hong DS, Pant S, Yap TA, Tsimberidou AM, Dumbrava EEI, Janku F, Fu S, Simon RM, Hess KR, Varadhachary GR, Habra MA. Phase 2 study of pembrolizumab in patients with advanced rare cancers. **J Immunother Cancer** 8(1), 3/2020. PMCID: PMC7078933.
40. Lu Y, Wang L, Ajani JA. Rare Esophageal Leptomeningeal Metastases Detected on 18F-FDG PET/CT. **Clin Nucl Med** 45(4):334-335, 4/2020. e-Pub 1/2020. PMID: 31977493.
41. Conley BA, Staudt L, Takebe N, Wheeler DA, Wang L, Cardenas MF, Korchina V, Zenklusen JC, McShane LM, Tricoli JV, Williams PM, Lubensky I, O'Sullivan-Coyne G, Kohn E, Little RF, White J, Malik S, Harris LN, Mann B, Weil C, Tarnuzzer R, Karlovich C, Rodgers B, Shankar L, Jacobs PM, Nolan T, Berryman SM, Gastier-Foster J, Bowen J, Leraas K, Shen H, Laird PW, Esteller M, Miller V, Johnson A, Edmondson EF, Giordano TJ, Kim B, Ivy SP. The Exceptional Responders Initiative: Feasibility of A National Cancer Institute Pilot Study. **J Natl Cancer Inst**, 4/2020. e-Pub 4/2020. PMID: 32339229.
42. Ajani JA, Xu Y, Huo L, Wang R, Li Y, Wang Y, Pizzi MP, Scott A, Harada K, Ma L, Yao X, Jin J, Zhao W, Dong X, Badgwell BD, Shanbhag N, Tatlonghari G, Estrella JS, Roy-Chowdhuri S, Kobayashi M, Vykoukal JV, Hanash SM, Calin GA, Peng G, Lee JS, Johnson RL, Wang Z, Wang L, Song S. YAP1 mediates gastric adenocarcinoma peritoneal metastases that are attenuated by YAP1 inhibition. **Gut**. e-Pub 4/2020. PMID: 32345613.
43. Zhao S, Kanagal-Shamanna R, Navsaria L, Ok CY, Zhang S, Nomie K, Han G, Hao D, Hill HA, Jiang C, Yao Y, Nastoupil L, Westin J, Fayad L, Nair R, Steiner R, Ahmed S, Samaniego F, Iyer SP, Oriabure O, Chen W, Song X, Zhang J, Badillo M, Moghrabi O, Aranda J, Tang G, Yin CC, Patel K, Medeiros LJ, Li S, Vega F, Thirumurthi S, Xu G, Neelapu S, Flowers CR, Romaguera J, Fowler N, *Wang L, *Wang ML, #Jain P. Efficacy of venetoclax in high risk relapsed mantle cell lymphoma (MCL) - outcomes and mutation profile from venetoclax resistant MCL patients. **Am J Hematol** 95(6):623-629, 6/2020. e-Pub 4/2020. PMID: 32239765. [*Senior and #Corresponding]
44. Li Y, Yang S, Sadaoui NC, Hu W, Dasari SK, Mangala LS, Sun Y, Zhao S, Wang L, Liu Y, Ramondetta LM, Li K, Lu C, Kang Y, Cole SW, Lutgendorf SK, Sood AK. Sustained Adrenergic Activation of YAP1 Induces Anoikis Resistance in Cervical Cancer Cells. **iScience** 23(7):101289, 7/2020. e-Pub 6/2020. PMCID: PMC7334594.
45. Lulla PD, Tzannou I, Vasileiou S, Carrum G, Ramos CA, Kamble R, Wang T, Wu M, Bilgi M, Gee AP, Mukhi S, Chung B, Wang L, Watanabe A, Kuvalekar M, Jeong M, Li Y, Ketkar S, French-Kim M, Grilley B, Brenner MK, Heslop HE, Vera JF, Leen AM. The safety and clinical

- effects of administering a multiantigen-targeted T cell therapy to patients with multiple myeloma. *Sci Transl Med* 12(554), 7/2020. PMID: 32727914.
46. Bailey CP, Figueroa M, Gangadharan A, Yang Y, Romero MM, Kennis BA, Yadavilli S, Henry V, Collier T, Monje M, Lee DA, **Wang L**, Nazarian J, Gopalakrishnan V, Zaky W, Becher OJ, Chandra J. Pharmacologic inhibition of lysine specific demethylase-1 (LSD1) as a therapeutic and immune-sensitization strategy in pediatric high grade glioma (pHGG). *Neuro Oncol* 22(9):1302-1314, 9/2020. e-Pub 3/2020. PMCID: PMC7523459.
 47. Le X, Negrao MV, Reuben A, Federico L, Diao L, McGrail D, Nilsson M, Robichaux J, Munoz IG, Patel S, Elamin Y, Fan YH, Lee WC, Parra E, Solis Soto LM, Chen R, Li J, Karpinets T, Khairullah R, Kadara H, Behrens C, Sepesi B, Wang R, Zhu M, **Wang L**, Vaporiciyan A, Roth J, Swisher S, Haymaker C, Zhang J, Wang J, Wong KK, Byers LA, Bernatchez C, Zhang J, Wistuba II, Gibbons DL, Akbay EA, Heymach JV. Characterization of the immune landscape of EGFR-mutant NSCLC identifies CD73/adenosine pathway as a potential therapeutic target. *J Thorac Oncol*, 10/2020. e-Pub 12/2020. PMID: 33388477.
 48. Maitituoheti M, Keung EZ, Tang M, Yan L, Alam H, Han G, Singh AK, Raman AT, Terranova C, Sarkar S, Orouji E, Amin SB, Sharma S, Williams M, Samant NS, Dhamdhare M, Zheng N, Shah T, Shah A, Axelrad JB, Anvar NE, Lin YH, Jiang S, Chang EQ, Ingram DR, Wang WL, Lazar A, Lee MG, Muller F, **Wang L**, Ying H, Rai K. Enhancer Reprogramming Confers Dependence on Glycolysis and IGF Signaling in KMT2D Mutant Melanoma. *Cell Rep* 33(3):108293, 10/2020. PMCID: PMC7649750.
 49. Li Y, Song S, Pizzi MP, Han G, Scott AW, Jin J, Xu Y, Wang Y, Huo L, Ma L, Vellano C, Luo X, MacLeod R, **Wang L**, Wang Z, Ajani JA. LncRNA PVT1 Is a Poor Prognosticator and Can Be Targeted by PVT1 Antisense Oligos in Gastric Adenocarcinoma. *Cancers (Basel)* 12(10), 10/2020. e-Pub 10/2020. PMCID: PMC7602573.
 50. Wheeler DA, Takebe N, Hinoue T, Hoadley KA, Cardenas MF, Hamilton AM, Laird PW, **Wang L**, Johnson A, Dewal N, Miller V, Piñeyro D, Castro de Moura M, Esteller M, Shen H, Zenklusen JC, Tarnuzzer R, McShane LM, Tricoli JV, Williams PM, Lubensky I, O'Sullivan-Coyne G, Kohn EC, Little RF, White J, Malik S, Harris L, Weil C, Chen AP, Karlovich C, Rodgers B, Shankar L, Jacobs P, Nolan T, Hu J, Muzny DM, Doddapaneni H, Korchina V, Gastier-Foster J, Bowen J, Leraas K, Edmondson EF, Doroshow JH, Conley BA, Ivy SP, Staudt LM. Molecular Features of Cancers Exhibiting Exceptional Responses to Treatment. *Cancer Cell*, 11/2020. e-Pub 11/2020. PMID: 33217343.
 51. Farah M, Reuben A, Spassova I, Yang RK, Kubat L, Nagarajan P, Ning J, Li W, Aung PP, Curry JL, Torres-Cabala CA, Hudgens CW, Ugurel S, Schadendorf D, Gumbs C, Little LD, Futreal A, Wistuba II, Prieto VG, **Wang L**, Wong MK, Wargo JA, Becker JC, Tetzlaff MT. T-Cell Repertoire in Combination with T-Cell Density Predicts Clinical Outcomes in Patients with Merkel Cell Carcinoma. *J Invest Dermatol* 140(11):2146-2156.e4, 11/2020. e-Pub 4/2020. PMID: 32304704.
 52. Deng Q, Han G, Puebla-Osorio N, Ma MCJ, Strati P, Chasen B, Dai E, Dang M, Jain N, Yang H, Wang Y, Zhang S, Wang R, Chen R, Showell J, Ghosh S, Patchva S, Zhang Q, Sun R, Hagemeister F, Fayad L, Samaniego F, Lee HC, Nastoupil LJ, Fowler N, Eric Davis R, Westin J, **#Neelapu SS, *#Wang L, *#Green MR**. Characteristics of anti-CD19 CAR T cell infusion products associated with efficacy and toxicity in patients with large B cell lymphomas. *Nature Medicine* 26(12):1878-1887, 12/2020. e-Pub 10/2020. PMID: 33020644. [*Senior and #Corresponding]
 53. Hao D, He S, Harada K, Pizzi MP, Lu Y, Guan P, Chen L, Wang R, Zhang S, Sewastjanow-Silva M, Abdelhakeem A, Shanbhag N, Bhutani M, Han G, Lee JH, Zhao S, Weston B, Blum Murphy M, Waters R, Estrella JS, Roy-Chowdhuri S, Gan Q, Lee JS, Peng G, Hanash SM, Calin GA, Song X, Zhang J, Song S, ***#Wang L, *#Ajani JA**. Integrated genomic profiling and modelling for risk stratification in patients with advanced oesophagogastric adenocarcinoma. *Gut* 12/2020. PMID: 33334899. [*Senior and #Corresponding]
 54. Kim ST, Sheshadri A, Shannon V, Kontoyiannis DP, Kantarjian H, Garcia-Manero G, Ravandi F, Im JS, Boddu P, Bashoura L, Balachandran DD, Evans SE, Faiz S, Ruiz Vazquez W, Divenko M, Mathur R, Tippen SP, Gumbs C, Neelapu SS, Naing A, **Wang L**, Diab A, Futreal A, Nurieva R, Daver N. Distinct Immunophenotypes of T Cells in Bronchoalveolar Lavage

- Fluid From Leukemia Patients With Immune Checkpoint Inhibitors-Related Pulmonary Complications. *Front Immunol* 11:590494, 2020. e-Pub 1/2021. PMID: PMC7859512.
55. Hu X, Estecio MR, Chen R, Reuben A, **Wang L**, Fujimoto J, Carrot-Zhang J, McGranahan N, Ying L, Fukuoka J, Chow CW, Pham HHN, Godoy MCB, Carter BW, Behrens C, Zhang J, Antonoff MB, Sepesi B, Lu Y, Pass HI, Kadara H, Scheet P, Vaporciyan AA, Heymach JV, Wistuba II, Lee JJ, Futreal PA, Su D, Issa JJ, Zhang J. Evolution of DNA methylome from precancerous lesions to invasive lung adenocarcinomas. *Nat Commun* 12(1):687, 1/2021. e-Pub 1/2021. PMID: 33514726.
 56. Jain P, Kanagal-Shamanna R, Zhang S, Ok CY, Navsaria L, Nastoupil L, Lee HJ, Tang G, Yin CC, Badillo M, Nair R, Li S, Patel KM, Flowers C, Vega F, **Wang L**, *Wang ML. Outcomes of relapsed mantle cell lymphoma patients after discontinuing acalabrutinib. *Am J Hematol*. e-Pub 1/2021. PMID: 33491779. [*Senior]
 57. Wang R, Dang M, Harada K, Han G, Wang F, Pool Pizzi M, Zhao M, Tatlonghari G, Zhang S, Hao D, Lu Y, Zhao S, Badgwell BD, Blum Murphy M, Shanbhag N, Estrella JS, Roy-Chowdhuri S, Abdelhakeem AAF, Wang Y, Peng G, Hanash S, Calin GA, Song X, Chu Y, Zhang J, Li M, Chen K, Lazar AJ, Futreal A, Song S, **Ajani JA**, **Wang L**. Single-cell dissection of intratumoral heterogeneity and lineage diversity in metastatic gastric adenocarcinoma. *Nature Medicine*, 27(1): 141-151. e-Pub 1/2021. PMID: 33398161. [*Senior and #Corresponding]
 58. Bailey CP, Wang R, Figueroa M, Zhang S, **Wang L**, Chandra J. Computational immune infiltration analysis of pediatric high-grade gliomas (pHGGs) reveals differences in immunosuppression and prognosis by tumor location. *Computational and Systems Oncology*, DOI: 10.1002/cso2.1016. 1(3):e1016. e-Pub 3/2021. PMID: 34723252.
 59. Han G, Sinjab A, Hara K, Treekitkarnmongkol W, Brennan P, Chang K, Bogatenkova E, Sanchez-Espiridion B, Behrens C, Solis LM, Gao B, Girard L, Zhang J, Sepesi B, Cascone T, Byers LA, Gibbons DL, Chen J, Moghaddam SJ, Ostrin EJ, Scheet P, Fujimoto J, Shay J, Heymach JV, Minna JD, Dubinett S, Wistuba II, Stevenson CS, Spira AE, **Wang L**, **Kadara H**. Single-Cell Expression Landscape of SARS-CoV-2 Receptor ACE2 and Host Proteases in Normal and Malignant Lung Tissues from Pulmonary Adenocarcinoma Patients. *Cancers (Basel)* 13(6), 3/2021. e-Pub 3/2021. PMID: PMC7998226. [*Senior and #Corresponding]
 60. Plaks V, Rossi JM, Chou J, **Wang L**, Poddar S, Han G, Wang Z, Kuang SQ, Chu F, Davis RE, Vega F, Bashir Z, Jacobson CA, Locke FL, Reagan P, Rodig SJ, Lekakis LJ, Flinn IW, Miklos DB, Bot A, Neelapu SS. CD19 target evasion as a mechanism of relapse in large B-cell lymphoma treated with axicabtagene ciloleucel. *Blood*. e-Pub 5/2021. PMID: 34041526.
 61. Sinjab A, Han G, Treekitkarnmongkol W, Hara K, Brennan PM, Dang M, Hao D, Wang R, Dai E, Dejima H, Zhang J, Bogatenkova E, Sanchez-Espiridion B, Chang K, Little DR, Bazzi S, Tran LM, Krysan K, Behrens C, Duose DY, Parra ER, Raso MG, Solis LM, Fukuoka J, Zhang J, Sepesi B, Cascone T, Byers LA, Gibbons DL, Chen J, Moghaddam SJ, Ostrin EJ, Rosen D, Heymach JV, Scheet P, Dubinett SM, Fujimoto J, Wistuba II, Stevenson CS, Spira A, **Wang L**, **Kadara H**. Resolving the spatial and cellular architecture of lung adenocarcinoma by multi-region single-cell sequencing. *Cancer Discovery*. e-Pub 5/2021. PMID: 33972311. [*Senior and #Corresponding]
 62. Zhang S, Jiang VC, Han G, Hao D, Lian J, Liu Y, Zhang R, McIntosh J, Wang R, Dang M, Dai E, Wang Y, Santos D, Badillo M, Leeming A, Chen Z, Hartig K, Bigcal J, Zhou J, Kanagal-Shamanna R, Ok CY, Lee H, Steiner RE, Zhang J, Song X, Nair R, Ahmed S, Rodriguez A, Thirumurthi S, Jain P, Wagner-Bartak N, Hill H, Nomie K, Flowers C, Futreal A, **Wang L**, **Wang M**. Longitudinal Single-Cell Profiling Reveals Molecular Heterogeneity and Tumor-Immune Evolution in Refractory Mantle Cell Lymphoma. *Nat Communications* 12(1):2877, 5/2021. e-Pub 5/2021. PMID: 34001881. [*Senior and #Corresponding]
 63. Song S, Xu Y, Huo L, Zhao S, Wang R, Li Y, Scott AW, Pizzi MP, Wang Y, Fan Y, Harada K, Jin J, Ma L, Yao X, Shanbhag ND, Gan Q, Roy-Chowdhuri S, Badgwell BD, Wang Z, **Wang L**, **Ajani JA**. Patient-derived cell lines and orthotopic mouse model of peritoneal carcinomatosis recapitulate molecular and phenotypic features of human gastric adenocarcinoma. *J Exp Clin Cancer Res* 40(1), 207 (2021). <https://doi.org/10.1186/s13046->

- 021-02003-8. PMID: 34162421.
64. Abbas H, Mohanty V, Wang R, Huang Y, Liang S, Wang F, Zhang J, Qiu Y, Hu CW, Qutub AA, Dail M, Bolen CR, Daver N, Konopleva M, Futreal A, *Chen K, *Wang L, *Kornblau SM. Decoupling lineage-associated genes in acute myeloid leukemia reveals inflammatory and metabolic signatures associated with outcomes. *Front. Oncol.* 2021;11:705627. Epub 2021/08/24. doi: 10.3389/fonc.2021.705627. PubMed PMID: 34422660; PMCID: PMC8372368. [*Senior and #Corresponding].
 65. Abbas H, Hao D, Tomczak K, Barrodia P, Seon JI, Reville P, Alaniz Z, Wang W, Wang R, Wang F, Al-Atrash G, Takahashi K, Ning J, Ding M, Beird H, Matthews J, Little L, Zhang J, Basu S, Konopleva M, Marques-Piubelli M, Sharma P, Solis L, Allison J, Parra ER, Garcia-Manero G, Green M, Kornblau S, Lu W, *Rai K, *Tamegnon A, *Wang L, *Daver D, *Futreal A. Single-cell Characterization of Acute Myeloid Leukemia and its Microenvironment Following PD-1 Blockade Based Therapy. *Nature Communications.* 2021;12(1):6071. Epub 2021/10/20. doi: 10.1038/s41467-021-26282-z. PubMed PMID: 34663807. [*Senior and #Corresponding]
 66. Del Poggetto E, Ho IL, Balestrieri C, Yen EY, Zhang S, Citron F, Shah R, Corti D, Diaferia G, Li CY, Loponte S, Carbone F, Hayakawa Y, Valenti G, Jiang S, Sapio L, Jiang H, Dey P, Gao S, Deem A, Rose-John S, Yao W, Ying H, Rhim A, Genovese G, Heffeman T, Maitra A, Wang T, Wang L, Draetta G, Carugo A, Natoli G, Viale A. Epithelial memory of resolved inflammation limits tissue damage while promoting pancreatic tumorigenesis. *Science.* 2021;373(6561):eabj0486. Epub 2021/09/17. doi: 10.1126/science.abj0486. PubMed PMID: 34529467.
 67. Han G, Yang G, Hao D, Lu Y, Thein K, Simpson BS, Chen J, Sun R, Alhalabi O, Wang R, Dang M, Dai E, Zhang S, Nie F, Zhao S, Guo C, Hamza A, Czerniak B, Cheng C, Siefker-Radtke A, Bhat K, Futreal A, Peng G, Wargo J, Peng W, Kadara H, Ajani J, Swanton C, Litchfield K, Rodon J, *Gao J, *Wang L. 9p21 loss confers a cold tumor immune microenvironment and primary resistance to immune checkpoint therapy. *Nature Communications.* 2021;12(1):5606. Epub 2021/09/25. doi: 10.1038/s41467-021-25894-9. PubMed PMID: 34556668. [*Senior and #Corresponding].
 68. Sloane RAS, White MG, Witt RG, Banerjee A, Davies MA, Han G, Burton E, Ajami N, Simon JM, Bernatchez C, Haydu LE, Tawbi HA, Gershenwald JE, Keung E, Ross M, McQuade J, Amaria RN, Wani K, Lazar AJ, Woodman SE, Wang L, Andrews MC, Wargo JA. Identification of MicroRNA-mRNA Networks in Melanoma and Their Association with PD-1 Checkpoint Blockade Outcomes. *Cancers.* 2021;13(21):5301. PMID: 34771465. doi:10.3390/cancers13215301.
 69. Jain P, Zhao S, Lee HJ, Hill HA, Ok CY, Kanagal-Shamanna R, Hagemester FB, Fowler N, Fayad L, Yao Y, Liu Y, Moghrabi OB, Navsaria L, Feng L, Noguera Gonzalez GM, Xu G, Thirumurthi S, Santos D, Iliescu C, Tang G, Medeiros LJ, Vega F, Avellaneda M, Badillo M, Flowers CR, *Wang L & *Wang ML. Ibrutinib With Rituximab in First-Line Treatment of Older Patients With Mantle Cell Lymphoma. *J Clin Oncol.* 2021;JCO2101797. Epub 2021/11/20. doi: 10.1200/JCO.21.01797. PubMed PMID: 34797699. [*Senior]
 70. Alhalabi O, Zhu Y, Hamza A, Qiao W, Lin Y, Wang RM, Shah AY, Campbell MT, Holla V, Kamat A, Wang WL, Wang J, Chen J, Meng J, Zhang M, Bondaruk J, Titus M, Genovese G, Czerniak BA, Shaw KR, Meric-Bernstam F, Guo CC, Logothetis CJ, Siefker-Radtke A, *Msaouel P, *Wang L, *Liu J, *Gao J. Integrative Clinical and Genomic Characterization of MTAP-deficient Metastatic Urothelial Cancer. *Eur Urol Oncol.* 2021. Epub 2021/11/19. doi: 10.1016/j.euo.2021.10.006. PubMed PMID: 34789422. [*Senior].
 71. Spencer CN, McQuade JL, Gopalakrishnan V, McCulloch JA, Vetizou M, Cogdill AP, Khan MAW, Zhang X, White MG, Peterson CB, Wong MC, Morad G, Rodgers T, Badger JH, Helmink BA, Andrews MC, Rodrigues RR, Morgun A, Kim YS, Roszik J, Hoffman KL, Zheng J, Zhou Y, Medik YB, Kahn LM, Johnson S, Hudgens CW, Wani K, Gaudreau PO, Harris AL, Jamal MA, Baruch EN, Perez-Guijarro E, Day CP, Merlino G, Pazdrak B, Lochmann BS, Szczepaniak-Sloane RA, Arora R, Anderson J, Zobniw CM, Posada E, Sirmans E, Simon J, Haydu LE, Burton EM, Wang L, Dang M, Clise-Dwyer K, Schneider S, Chapman T, Anang NAS, Duncan S, Toker J, Malke JC, Glitza IC, Amaria RN, Tawbi HA, Diab A, Wong MK, Patel SP, Woodman SE, Davies MA, Ross MI, Gershenwald JE, Lee JE, Hwu P, Jensen V,

- Samuels Y, Straussman R, Ajami NJ, Nelson KC, Nezi L, Petrosino JF, Futreal PA, Lazar AJ, Hu J, Jenq RR, Tetzlaff MT, Yan Y, Garrett WS, Huttenhower C, Sharma P, Watowich SS, Allison JP, Cohen L, Trinchieri G, Daniel CR, Wargo JA. Dietary fiber and probiotics influence the gut microbiome and melanoma immunotherapy response. *Science*. 021;374(6575):1632-40. Epub 2021/12/24. doi: 10.1126/science.aaz7015. PubMed PMID: 34941392.
72. *#Wang M, Jain P, Zhao S, Lee HJ, Nastoupil L, Fayad L, OK CY, Kanagal-Shamanna R, Hill HA, Yao Y, Liu Y, Hagemester FB, Westin J, Fowler N, Samaniego F, Steiner R, Chen W, Oriabure O, Moghrabi OB, Navsaria L, Che Y, Li Y, Avellaneda M, Badillo M, Feng L, Nogueras Gonzalez G, Xu G, Wagner-Bartak N, Thirumurthi S, Santos D, Tang G, Lin P, Wang S, Yin CC, Li S, Patel KM, Vega F, Medeiros LJ, Flowers CR, *Wang L. Ibrutinib with rituximab and short course R-HyperCVAD in patients with previously untreated mantle cell lymphoma. *Lancet oncology*, Epub Jan 21, 2022. PubMed PMID: 35074072. [*Senior].
73. Weiyi Peng, Andrew Fedoriw, Leilei Shi, Shane O'Brien, Kimberly Smitheman, Yunfei Wang, Jiakai Hou, Christian Sherk, Satyajit Rajapurkar, Jenny Larayo, Leila Williams, Chunyu Xu, Guangchun Han, Qin Feng, Mark Bedford, Linghua Wang, Olena Barbash, Ryan Kruger, Patrick Hwu, and Helai Mohammad. Inhibiting Type I arginine methyltransferase activity promotes the T cell mediated antitumor immune response. *Cancer Immunology Research*. Epub Feb 18, 2022. PubMed PMID: 35181787. Doi: 10.1158/2326-6066.CIR-21-0614.
74. Alhalabi O, Chen J, Zhang Y, Lu Y, Wang Q, Ramachandran S, Tidwell R, Han G, Yan X, Meng J, Wang R, Hoang A, Wang W, Song J, Lopez L, Andreev-Drakhlin A, (...), Benedict W, Shah A, Wang J, Msaouel P, Zhang M, Guo C, Czerniak B, Behrens C, Solis L, Papadimitrakopoulou V, Lewis J, Rinsurongkawong W, Rinsurongkawong V, Lee J, Roth J, Swisher S, Wistuba I, Heymach J, Wang J, Campbell M, Efsthathiou E, Titus M, Logothetis C, Ho T, *Zhang J, *#Wang L, *#Gao J. MTAP deficiency creates an exploitable target for antifolate therapy in 9p21-loss cancers. *Nature Communications*. 2022. Apr 4;13(1):1797. PMID: 35379845. [*Senior and #Corresponding].
75. Sang Kim , Yanshuo Chu , Mercy Misoi , Maria Suarez-Almazor , Jean Tayar , Huifang Lu , Maryam Buni , Jordan Kramer , Emma Roiguez , Zulekha Hussain , Noha Abdel-Wahab , Sattva Neelapu , Jennifer Wang , Amishi Shah , Professor Nizar Tannir , Matthew Campbell , Don Gibbons , Tina Cascone , Professor Charles Lu , George Blumeschein Jr. , Mehmet Altan , Bora Lim , Vicente Valero , Monica Loghin , Janet Tu , Shannon Westin , Professor Aung Naing , Guillermo Garcia-Manero , Hussein Tawbi , Patrick Hwu , Isabella Glitza , Michael Davies , Sapna Patel , Jun Zou , Anew Futreal , Adi Diab , *#Linghua Wang & *#Roza Nurieva. Distinct molecular and immune hallmarks of inflammatory arthritis induced by immune checkpoint inhibitor therapy. *Nature Communications*. 2022. April 12; 13 (1):1970. PMID: 35413951. [*Senior and #Corresponding].
76. Han G, Deng Q, Marques-Piubelli ML, Dai E, Dang M, Ma MCJ, Li X, Yang H, Henderson J, Kudryashova O, Meerson M, Isaev S, Kotlov N, Nomie KJ, Bagaev A, Parra ER, Solis Soto LM, Parmar S, Hagemester FB, Ahmed S, Iyer SP, Samaniego F, Steiner R, Fayad L, Lee H, Fowler NH, Flowers CR, Strati P, Westin JR, Neelapu SS, Nastoupil LJ, Vega F, *#Wang L, *#Green MR. Follicular Lymphoma Microenvironment Characteristics Associated with Tumor Cell Mutations and MHC Class II Expression. *Blood Cancer Discov*. 2022;3(5):428-43. doi: 10.1158/2643-3230.BCD-21-0075. PubMed PMID: 35687817; PMCID: PMC9894575. [*Senior and #Corresponding].
77. Vellano CP, White MG, Andrews MC, Chelvanambi M, Witt RG, Daniele JR, Titus M, McQuade JL, Conforti F, Burton EM, Lastrapes MJ, Ologun G, Cogdill AP, Morad G, Prieto P, Lazar AJ, Chu Y, Han G, Khan MAW, Helmink B, Davies MA, Amaria RN, Kovacs JJ, Woodman SE, Patel S, Hwu P, Peoples M, Lee JE, Cooper ZA, Zhu H, Gao G, Banerjee H, Lau M, Gershenwald JE, Lucci A, Keung EZ, Ross MI, Pala L, Pagan E, Segura RL, Liu Q, Borthwick MS, Lau E, Yates MS, Westin SN, Wani K, Tetzlaff MT, Haydu LE, Mahendra M, Ma X, Logothetis C, Kulstad Z, Johnson S, Hudgens CW, Feng N, Federico L, Long GV, Futreal PA, Arur S, Tawbi HA, Moran AE, Wang L, Heffernan TP, Marszalek JR, Wargo JA. Androgen receptor blockade promotes response to BRAF/MEK-targeted therapy. *Nature*. 2022;606(7915):797-803. Epub 2022/06/16. doi: 10.1038/s41586-022-04833-8.

PubMed PMID: 35705814.

78. Fan Y, Li Y, Yao X, Jin J, Scott A, Liu B, Wang S, Huo L, Wang Y, Wang R, Pool Pizzi M, Ma L, Shao S, Sewastjanow-Silva M, Waters R, Chatterjee D, Liu B, Shanbhag N, Peng G, Calin GA, Mazur PK, Hanash SM, Ishizawa J, Hirata Y, Nagano O, Wang Z, **Wang L**, Xian W, McKeon F, Ajani JA, Song S. Epithelial SOX9 drives progression and metastases of gastric adenocarcinoma by promoting immunosuppressive tumour microenvironment. *Gut*, 2022. e-Pub 2022. PMID: 36002248.
79. Cherng HJ, Sun R, Sugg B, Irwin R, Yang H, Le CC, Deng Q, Fayad L, Fowler NH, Parmar S, Steiner R, Hagemeister F, Nair R, Lee HJ, Rodriguez M, Samaniego F, Iyer SP, Flowers CR, **Wang L**, Nastoupil LJ, Neelapu SS, Ahmed S, Strati P, Green MR, Westin J. Risk assessment with low-pass whole-genome sequencing of cell-free DNA before CD19 CAR T-cell therapy for large B-cell lymphoma. *Blood* 140(5):504-515, 2022. PMID: 35512184.
80. Jiang VC, Hao D, Jain P, Li Y, Cai Q, Yao Y, Nie L, Liu Y, Jin J, Wang W, Lee HH, Che Y, Dai E, Han G, Wang R, Rai K, Futreal A, Flowers C, **Wang L**, **Wang M**. TIGIT is the central player in T-cell suppression associated with CAR T-cell relapse in mantle cell lymphoma. *Mol Cancer* 21(1):185, 2022. e-Pub 2022. PMID: 36163179.
[*Senior and #Corresponding]
81. Hao D, Han G, Sinjab A, Gomez-Bolanos LI, Lazcano R, Serrano A, Hernandez SD, Dai E, Cao X, Hu J, Dang M, Wang R, Chu Y, Song X, Zhang J, Parra ER, Wargo JA, Swisher SG, Cascone T, Sepesi B, Futreal AP, Li M, Dubinett SM, Fujimoto J, Solis Soto LM, Wistuba II, Stevenson CS, Spira A, Shalapour S, **Kadara H**, **Wang L**. The Single-Cell Immunogenomic Landscape of B and Plasma Cells in Early-Stage Lung Adenocarcinoma. *Cancer Discovery*, 2022. e-Pub 2022. PMID: 36098652. [*Senior and #Corresponding].
82. Zhao S, Wang R, Song S, Hao D, Han G, Song X, Zhang J, Pizzi MP, Shanbhag N, Futreal A, Badgwell B, Harada K, Calin G, Vykoukal J, Yu CY, Katayama H, **Hanash SM**, **Wang L**, **Ajani JA**. Proteogenomic landscape of gastric adenocarcinoma peritoneal metastases. *iScience*. 2023;26(6):106913. Epub 20230519. doi: 10.1016/j.isci.2023.106913. PubMed PMID: 37305699; PMCID: PMC10251128. [*Senior and #Corresponding].
83. Hu J, Coleman K, Zhang D, Lee EB, Kadara H, **Wang L**, **Li M**. Deciphering tumor ecosystems at super resolution from spatial transcriptomics with TESLA. *Cell Syst*. 2023. Epub 20230509. doi: 10.1016/j.cels.2023.03.008. PubMed PMID: 37164011.
[*Senior and #Corresponding].
84. Hirata Y, Noorani A, Song S, **Wang L**, Ajani JA. Early stage gastric adenocarcinoma: clinical and molecular landscapes. *Nat Rev Clin Oncol*. 2023. Epub 20230601. doi: 10.1038/s41571-023-00767-w. PubMed PMID: 37264184. (Invited)
85. Qian Y, Galan-Cobo A, Guijarro I, Dang M, Molkentine D, Poteete A, Zhang F, Wang Q, Wang J, Parra E, Panda A, Fang J, Skoulidis F, Wistuba, II, Verma S, Merghoub T, Wolchok JD, Wong KK, DeBerardinis RJ, Minna JD, Vokes NI, Meador CB, Gainor JF, **Wang L**, Reuben A, Heymach JV. MCT4-dependent lactate secretion suppresses antitumor immunity in LKB1-deficient lung adenocarcinoma. *Cancer Cell*. 2023. Epub 20230612. doi: 10.1016/j.ccell.2023.05.015. PubMed PMID: 37327788.
86. Dang M, Wang R, Lee HC, Patel KK, Becnel MR, Han G, Thomas SK, Hao D, Chu Y, Weber DM, Lin P, Lutter-Berka Z, Berrios Nolasco DA, Huang M, Bansal H, Song X, Zhang J, Futreal A, Moreno Rueda LY, Symer DE, Green MR, Rojas Hernandez CM, Kroll M, Afshar-Khargan V, Ndacayisaba LJ, Kuhn P, Neelapu SS, **Orlowski RZ**, **Wang L**, **Manasanch EE**. Single cell clonotypic and transcriptional evolution of multiple myeloma precursor disease. *Cancer Cell*. 2023;41(6):1032-47 e4. doi: 10.1016/j.ccell.2023.05.007. PubMed PMID: 37311413. [*Senior and #Corresponding].
87. Chu Y, Dai E, Li Y, Han G, Pei G, Ingram DR, Thakkar K, Qin JJ, Dang M, Le X, Hu C, Deng Q, Sinjab A, Gupta P, Wang R, Hao D, Peng F, Yan X, Liu Y, Song S, Zhang S, Heymach JV, Reuben A, Elamin YY, Pizzi MP, Lu Y, Lazcano R, Hu J, Li M, Curran M, Futreal A, Maitra A, Jazaeri AA, Ajani JA, Swanton C, Cheng XD, Abbas HA, Gillison M, Bhat K, Lazar AJ, **Green M**, **Litchfield K**, **Kadara H**, **Yee C**, **Wang L**. Pan-cancer T

cell atlas links a cellular stress response state to immunotherapy resistance.

Nature Medicine. 2023. Epub 20230529. doi: 10.1038/s41591-023-02371-y. PubMed PMID: 37248301. [*Senior and #Corresponding]

88. Perelli L, Carbone F, Zhang L, Huang JK, Le C, Khan H, Citron F, Del Poggetto E, Gutschner T, Tomihara H, Soeung M, Minelli R, Srinivasan S, Peoples M, Lam TNA, Lundgren S, Xia R, Zhu C, Mohamed AMT, Zhang J, Sircar K, Sgambato A, Gao J, Jonasch E, Draetta GF, Futreal A, Bakouny Z, Van Allen EM, Choueiri T, Signoretti S, Msaouel P, Litchfield K, Turajlic S, **Wang L**, Chen YB, Di Natale RG, Hakimi AA, Giuliani V, Heffernan TP, Viale A, Bristow CA, Tannir NM, Carugo A, Genovese G. Interferon signaling promotes tolerance to chromosomal instability during metastatic evolution in renal cancer. **Nat Cancer**. 2023. Epub 20230626. doi: 10.1038/s43018-023-00584-1. PubMed PMID: 37365326.
89. Wang R, Song S, Qin J, Yoshimura K, Peng F, Chu Y, Li Y, Fan Y, Jin J, Dang M, Dai E, Pei G, Han G, Hao D, Li Y, Chatterjee D, Harada K, Pizzi MP, Scott AW, Tatlonghari G, Yan X, Xu Z, Hu C, Mo S, Shanbhag N, Lu Y, Sewastjanow-Silva M, Fouad Abdelhakeem AA, Peng G, Hanash SM, Calin GA, Yee C, Mazur P, Marsden AN, Futreal A, Wang Z, Cheng X, *Ajani JA, ***Wang L**. Evolution of immune and stromal cell states and ecotypes during gastric adenocarcinoma progression. **Cancer Cell**. 2023. Epub 20230627. doi: 10.1016/j.ccell.2023.06.005. PubMed PMID: 37419119. [*Senior and #Corresponding]

Invited Articles, Editorials, Commentary, Perspectives, Research Briefing

90. Aburatani H & **Wang L**. Integrated genomic analysis of pancreatic ductal carcinoma. *The Japanese Journal of Experimental Medicine*. 30:33-38, 2012
91. Wheeler DA & **Wang L**. From human genome to cancer genome: the first decade. **Genome Res** 23(7):1054-62, 7/2013. PMCID: PMC3698498.
92. **Wang L** & Wheeler DA. Genomic sequencing for cancer diagnosis and therapy. **Annu Rev Med** 65:33-48, 2014. e-Pub 11/2013. PMID: 24274147.
93. **Wang L** & Wheeler DA, Prchal JT. Acquired uniparental disomy of chromosome 9p in hematologic malignancies. *Exp Hematol* 44(8):644-52, 8/2016. e-Pub 12/2015. PMCID: PMC5268131.
94. **Wang L** & Ajani JA. Ushering in Liquid Biopsy for the Microsatellite Status: Advantages and Caveats. **Clin Cancer Res**. 25(23):6687-6689, 12/2019. e-Pub 9/2019. PMID: 31527165.
95. Sinjab A, Han G, **Wang L**, Kadara H. Field Carcinogenesis in Cancer Evolution: What the Cell Is Going On? **Cancer Res** 80(22):4888-4891, 11/2020. e-Pub 10/2020. PMCID: PMC7669616.
96. Anderson AC, Yanai I, Yates LR, **Wang L**, Swarbrick A, Sorger P, Santagata S, Fridman WH, Gao Q, Jerby L, Izar B, Shang L, Zhou X. Spatial transcriptomics. **Cancer Cell** 40(9):895-900, 2022. PMID: 36099884. (All co-authors were invited with equal contribution)
97. **Wang L**. Developmental deconvolution suggests new tumor biology and a tool for predicting cancer origin. **Cancer Discovery** 12(11): 2498-2500, 11/2022. doi: <https://doi.org/10.1158/2159-8290.CD-22-0943>. PMID: 3632130.
98. **Wang L**. Stress response in tumor-infiltrating T cells is linked to immunotherapy resistance. **Nature Medicine (Research Briefing)**. 2023. Epub 20230530. doi: 10.1038/s41591-023-02370-z. PubMed PMID: 37253923.
99. Theis FJ, Dar D, Vento-Tormo R, Vickovic S, **Wang L**, Kagohara LT, Rendeiro AF, Joyce JA. What do you most hope spatial molecular profiling will help us understand? Part 1. **Cell Syst**. 2023;14(6):423-7. doi: 10.1016/j.cels.2023.05.009. PubMed PMID: 37348459. (all co-authors were invited with equal contribution)

Preprints: n = 6(only articles where Linghua Wang is a ***Senior and #Corresponding author** are listed below)

100. Wang Y, Wang R, Zhang S, Song S, Jiang C, Han G, Wang M, Ajani J, Futreal A, ***#Wang L**. iTALK: an R Package to Characterize and Illustrate Intercellular Communication. *BioRxiv* (preprint), 1/2020. doi: <https://doi.org/10.1101/507871> . (>20,000 article Accesses since posted, cited by 153).
101. Han G, Sinjab A, Treekitkarnmongkol W, Lu W, Serrano AG, Hernandez SD, Rahal Z, Cao X, Dai E, Gomez-Bolanos LI, Parra ER, Negrao MV, Cascone T, Sepesi B, Moghaddam SJ, Chen J, Dubinett SM, Scheet P, Fujimoto J, Solis LM, Wistuba II, Stevenson CS, Spira AE, ***#Wang L**, ***#Kadara H**. An atlas of epithelial cell states and plasticity in lung adenocarcinoma. *bioRxiv*. 2022:2022.05.13.491635. doi: 10.1101/2022.05.13.491635.
102. Xiuning Le, Minghao Dang, VenkateshL. Hegde, Bo Jiang, Ravaen Slay, Weihong Xiao, Kei ko Akagi, Joseph Fresquez, Kathrina L. Marcelo, Qianyun Luo, Pragya Sinha, Ananta V. Yanamandra, JoeDan Dunn, Diana Bell, Michelle Williams, Edwin Parra, Ryan Goepfert, Stephen H. Lai, Neil Gross, Amit Agrawal, Alexandre Reuben, Jeffrey Myers, Michael A. Curran, K. Jagannadha Sastry, ***#Linghua Wang**, ***#Maura L. Gillison**. TIGIT as a therapeutic target of HPV-positive head and neck squamous cell carcinomas. *medRxiv*. 2021.12.02.21266776; doi: <https://doi.org/10.1101/2021.12.02.21266776>.
103. Guangchun Han, Qing Deng, Enyu Dai, Minghao Dang, John Ma, Haopeng Yang, Olga Kudryashova, Mark Meerson, Sergey Isaev, Nikita Kotlov, Krystle Nomie, Alexander Bagaev, Simrit Parmar, Fredrick Hagemester, Sairah Ahmed, Swami Iyer, Filepe Samaniego, Raphael Steiner, Luis Fayad, Hun Lee, Nathan Fowler, Francisco Vega, Christopher R. Flowers, Paolo Strati, Jason R. Westin, Sattva S. Neelapu, Loretta J. Nastoupil, ***#Linghua Wang** & ***#Michael R. Green** Immune microenvironment subtypes and association with tumor cell mutations and antigen expression in follicular lymphoma. *bioRxiv*.
104. Pravesh Gupta, Minghao Dang, Shivangi Oberai, Mekenzie Peshoff, Nancy Milam, Aml Ahmed, Krishna Bojja, Tuan M. Tran, Kathryn Cox, Huma Shehwana, Carlos Kamiya-Matsuoka, Jianzhuo Li, Joy Gumin, Alicia Goldman, Sameer A. Seth, Atul Maheshwari, Frederick F. Lang, Nicholas E. Navin, Amy B. Heimberger, Karen Clise-Dwyer, ***#Linghua Wang** & ***#Krishna P. Bhat**. Immune landscape of isocitrate dehydrogenase stratified human gliomas. *bioRxiv*, 11/2022. e-Pub 11/2022. Doi: <https://doi.org/10.1101/2022.11.08.514794>.
105. Shuangtao Zhao, Ruiping Wang, Shumei Song, Dapeng Hao, Guangchun Han, Xingzhi Song, Jianhua Zhang, Melissa Pool Pizzi, Namita Shanbhag, Andrew Futreal, Brian Badgwell, Kazuto Harada, George Calin, Jody Vykoukal, Chuan-Yih Yu, Hiroyuki Katayama, ***#Samir M. Hanash**, ***#Linghua Wang** & ***#Jaffer A. Ajani**. Proteogenomic Landscape of Gastric Adenocarcinoma Peritoneal Metastasis. *ResearchGate*, 2022. Doi:10.21203/rs.3.rs-81037/v1.

CONFERENCES AND SYMPOSIA**Organization of Conferences/Symposia (Include chairing session)****Chair** of Planning Committee, The 3rd Annual Genomic Medicine Science Day, 10/15/2019**Co-Chair**, Bioinformatics and Computational Biology Session, AACR Annual Meeting 2022.**Co-Chair**, Big Data & Bioinformatics (Plenary Session), SITC Annual Meeting 2022.**Co-Chair**, Single Cell Omics Workshop, Houston, TX. Sep 26-28, 2022.**Chair**, ENAR 2023 Spring Meeting, Session #35, Mar 19-22, 2023

Presentations at National or International Conferences

Invited Speaker

The 2016 HUGO Human Genome Annual Meeting, Houston, TX, 2/28/2016

2017 AACR Annual Meeting, NIH-sponsored Session, DC, 4/4/2017

Basic and Translational Omics of Brain Tumors and their Microenvironment, Basic and Translational Science Conference. The Society for Neuro-Oncology (SNO), Virtual Conference, 7/15/2021.

The European Human Genetics Conference 2021, The European Society of Human Genetics (ESHG), Virtual Conference, 8/29/2021

Pancreatic Cancer Microenvironment Network Annual Meeting. Virtual Conference, 11/06/2021

The 2022 Annual Meeting of NYAS (The New York Academy of Sciences). May 9-11, 2022. Frontiers in Cancer Immunotherapy.

The 2022 Single-Cell Cancer Biology Gordon Research Conference. June 12-17, 2022. Stonehill College.

The 37th STIC (Society for Immunotherapy of Cancer) Annual Meeting. Nov 8-12, 2022. Boston.

2023 NCI CSBC (Cancer Systems Biology Consortium) Annual Investigator Meeting. March 16-17, 2023. Aurora. CO.

ENAR 2023 Spring Meeting. International Biometric Society (IBS). March 19-22, 2023. Nashville. TN.

2023 AACR Annual Meeting, Major Symposium (Humoral Immune Response and Tertiary Lymphoid Structures in Cancer), April 14-19, 2023, Orlando, FL.

(Keynote Speaker). AI, Machine Learning, Systems and Spatial Biology in Oncology Conference. Mayo Clinic. April 21-22, 2023, Florida, FL.

Seminar Invitations from Other Institutions

Human Genetics Center Seminar Series. UT School of Public Health, Human Genetics Center, Houston, TX, 10/22/2018

Gulf Coast Cluster for Single Cell Omics. Single Cell Technologies in Immunology. Single Cell Omics Panel Discussion. Expert Panelist. 07/14, 2021. *Virtual meeting*.

NCCC Grand Rounds Seminar. Dartmouth and Dartmouth-Hitchcock Norris Cotton Cancer Center (NCCC), 8/3/2021. *Virtual meeting*.

Human Genetics Center Seminar Series. Single Cell Analysis of Tumor ecosystems. UT School of Public Health, Human Genetics Center, Houston, TX, 11/15/2021. *Virtual meeting*.

Brown Center for Immunotherapy, Melvin and Bren Simon Comprehensive Cancer Center. April 26. 2022. Indianapolis, IN.

Houston Methodist Hospital Seminar Series. Oct 24. 2022. *Virtual*.

Moffitt Cancer Center Grand Rounds. Feb 22. 2023. Tampa, FL.

Human Genome Sequencing Center Seminar Series. Baylor College of Medicine. Jun 22. 2023. Houston, TX.