DUKE UNIVERSITY MEDICAL CENTER

CURRICULUM VITAE

for
Permanent Record
and the
Appointments and Promotions Committee

Date Prepared: 07/18/2022

(Use continuation pages when necessary.)

Name (complete with degrees): Trudy Gale Oliver, PhD

Primary academic appointment: Associate Professor (with Tenure)

Primary academic department (not DUAP): Dept of Oncological Sciences, University of Utah

Secondary appointment (if any) - (department): Investigator, Huntsman Cancer Institute

Present academic rank and title (if any): Associate Professor with Tenure and HCI Endowed Chair in Cancer Research at University of Utah

Date and rank of first Duke Faculty appointment: July 1, 2022, incoming Professor of Pharmacology and Cancer Biology (process pending); Duke Science & Technology Scholar

Medical Licensure: North Carolina License # _____

Date of License (Month/Day/Year): _____

Specialty certification(s) and dates (Month/Day/Year): _____

_____

Date of birth: 12/06/1978 Place (include city/state/country): Lawton, OK

Citizen of: USA

Visa status (if applicable): _____

Education:	Institution	Date (Year)	Degree
High School	Lakewood High School, Lakewood, CO	1997	HS Diploma
College	Oklahoma Baptist University (Chemistry) Shawnee, OK	1997-2001	B.S. (Summa Cum Laude)
Graduate or Professional School	Duke University (Pharmacology and Cancer Biology) Durham, NC Thesis Title: *Sonic Hedgehog Signaling in Cerebellar Development and Tumorigenesis*	2001-2005	PhD
	University of North Carolina-Chapel Hill (Cancer Biology) Chapel Hill, NC	2005-2006	Visiting Postdoctoral Research Fellow

Massachusetts Institute of Technology (Cancer Biology) Cambridge, MA 2006-2011 Postdoctoral Fellow

Professional training and academic career (chronologically, beginning with first postgraduate position):

Institution	Position/Title	Dates
University of Utah, Dept of Oncological Sciences	Assistant Professor	2011 - 2017
Huntsman Cancer Institute	Investigator	2011 - 2022
University of Utah, Dept of Oncological Sciences	Associate Professor with Tenure	2017 - 2022
Huntsman Cancer Institute	Endowed Chair in Cancer Research	2018 – 2022
University of Utah, Dept of Oncological Sciences	Adjunct Associate Professor with Tenure	2022-present

Publications: (Do not include submitted papers or papers in preparation:
List separately those papers in press.) PLEASE NUMBER ALL ENTRIES SEQUENTIALLY (1# OLDEST, Label with PUB Med ID)
Do not use et al. List all authors in the publication
Author name must be bolded,
Date of the journal is required.

1. Refereed journals: (Refereed journals are scientific publications that have active editorial boards and a system of critical review of all submissions for publication.)
    i. Named author
    ii. Study Group publications (Multicenter trials that you were PI but not author)
    iii. Letters
    iv. Editorials

1. **Oliver TG**, Grasfeder LL, Carroll AL, Kaiser C, Gillingham CL, Lin SM, Wickramasinghe R, Scott MP, Wechsler-Reya RJ (2003). Transcriptional profiling of the Sonic hedgehog response: a critical role for N-myc in proliferation of neuronal precursors. *Proc Natl Acad Sci U S A*, *100*(12), 7331-6. PubMed PMID: 12777630; PubMed Central PMCID: PMC165875.
2. **Oliver TG**, Wechsler-Reya RJ (2004). Getting at the root and stem of brain tumors. *Neuron*, *42*(6),885-8. PubMed PMID: 15207233.
3. **Oliver TG**, Read TA, Kessler JD, Mehmeti A, Wells JF, Huynh TT, Lin SM, Wechsler-Reya RJ (2005). Loss of patched and disruption of granule cell development in a pre-neoplastic stage of medulloblastoma. *Development*, *132*(10), 2425-39. PubMed PMID: 15843415.
4. Fogarty MP, Emmenegger BA, Grasfeder LL, **Oliver TG**, Wechsler-Reya RJ (2007). Fibroblast growth factor blocks Sonic hedgehog signaling in neuronal precursors and tumor cells. *Proc Natl Acad Sci U S A*, *104*(8), 2973-8. PubMed PMID: 17299056; PubMed Central PMCID: PMC1815291.
5. Schliekelman M, Cowley DO, O'Quinn R, **Oliver TG**, Lu L, Salmon ED, Van Dyke T (2009). Impaired Bub1 function in vivo compromises tension-dependent checkpoint function leading to aneuploidy and tumorigenesis. *Cancer Res*, *69*(1), 45-54. PubMed PMID: 19117986; PubMed Central PMCID: PMC4770788.
6. Cowley DO, Rivera-Pérez JA, Schliekelman M, He YJ, **Oliver TG**, Lu L, O'Quinn R, Salmon ED, Magnuson T, Van Dyke T (2009). Aurora-A kinase is essential for bipolar spindle formation

and early development. *Mol Cell Biol*, *29*(4), 1059-71. PubMed PMID: 19075002; PubMed Central PMCID: PMC2643803.

7. **Oliver TG**, Mercer KL, Sayles LC, Burke JR, Mendus D, Lovejoy KS, Cheng MH, Subramanian A, Mu D, Powers S, Crowley D, Bronson RT, Whittaker CA, Bhutkar A, Lippard SJ, Golub T, Thomale J, Jacks T, Sweet-Cordero EA (2010). Chronic cisplatin treatment promotes enhanced damage repair and tumor progression in a mouse model of lung cancer. *Genes Dev*, *24*(8), 837-52. PubMed PMID: 20395368; PubMed Central PMCID: PMC2854397.
8. Doles J, **Oliver TG**, Cameron ER, Hsu G, Jacks T, Walker GC, Hemann MT (2010). Suppression of Rev3, the catalytic subunit of Pol{zeta}, sensitizes drug-resistant lung tumors to chemotherapy. *Proc Natl Acad Sci U S A*, *107*(48), 20786-91. PubMed PMID: 21068376; PubMed Central PMCID: PMC2996428.
9. **Oliver TG**, Meylan E, Chang GP, Xue W, Burke JR, Humpton TJ, Hubbard D, Bhutkar A, Jacks T(2011). Caspase-2-mediated cleavage of Mdm2 creates a p53-induced positive feedback loop. *Mol Cell*, *43*(1), 57-71. PubMed PMID: 21726810; PubMed Central PMCID: PMC3160283.
10. Xue W, Meylan E, **Oliver TG**, Feldser DM, Winslow MM, Bronson R, Jacks T (2011). Response and resistance to NF-κB inhibitors in mouse models of lung adenocarcinoma. *Cancer Discov*, *1*(3),236-47. PubMed PMID: 21874163; PubMed Central PMCID: PMC3160630.
11. Curry NL, Mino-Kenudson M, **Oliver TG**, Yilmaz OH, Yilmaz VO, Moon JY, Jacks T, Sabatini DM, Kalaany NY (2013). Pten-null tumors cohabiting the same lung display differential AKT activation and sensitivity to dietary restriction. *Cancer Discov*, *3*(8), 908-21. PubMed PMID: 23719831; PubMed Central PMCID: PMC3743121.

Contribution #8

12. Mukhopadhyay A, Berrett KC, Kc U, Clair PM, Pop SM, Carr SR, Witt BL, **Oliver TG** (2014). Sox2 cooperates with Lkb1 loss in a mouse model of squamous cell lung cancer. *Cell Rep*, *8*(1), 40-9. PubMed PMID: 24953650; PubMed Central PMCID: PMC4410849.
13. Masin M, Vazquez J, Rossi S, Groeneveld S, Samson N, Schwalie PC, Deplancke B, Frawley LE, Gouttenoire J, Moradpour D, **Oliver TG**, Meylan E (2014). GLUT3 is induced during epithelial-mesenchymal transition and promotes tumor cell proliferation in non-small cell lungcancer. *Cancer Metab*, *2*, 11. PubMed PMID: 25097756; PubMed Central PMCID: PMC4122054.
14. Mukhopadhyay A, **Oliver TG** (2015). Mighty mouse breakthroughs: a Sox2-driven model for squamous cell lung cancer. *Mol Cell Oncol*, *2*(2), e969651. PubMed PMID: 27308419; PubMed Central PMCID: PMC4904963.
15. **Oliver TG**, Patel J, Akerley W (2015). Squamous non-small cell lung cancer as a distinct clinical entity. *Am J Clin Oncol*, *38*(2), 220-6. PubMed PMID: 25806712.
16. Terry MR, Arya R, Mukhopadhyay A, Berrett KC, Clair PM, Witt B, Salama ME, Bhutkar A, **Oliver TG** (2015). Caspase-2 impacts lung tumorigenesis and chemotherapy response in vivo. *Cell Death Differ, 22*(5), 719-30. PubMed PMID: 25301067; PubMed Central PMCID: PMC4392070.

Contribution #1

17. Mollaoglu G, Guthrie MR, Böhm S, Brägelmann J, Can I, Ballieu PM, Marx A, George J, Heinen C, Chalishazar MD, Cheng H, Ireland AS, Denning KE, Mukhopadhyay A, Vahrenkamp JM, Berrett KC, Mosbruger TL, Wang J, Kohan JL, Salama ME, Witt BL, Peifer M, Thomas RK, Gertz J, Johnson JE, Gazdar AF, Wechsler-Reya RJ, Sos ML, **Oliver TG** (2017). MYC Drives Progression of Small Cell Lung Cancer to a Variant Neuroendocrine Subtype with Vulnerability toAurora Kinase Inhibition. *Cancer Cell*, *31*(2), 270-285. PubMed PMID: 28089889; PubMed Central PMCID: PMC5310991.
18. Brägelmann J, Böhm S, Guthrie MR, Mollaoglu G, **Oliver TG**, Sos ML (2017). Family matters: How MYC family oncogenes impact small cell lung cancer. *Cell Cycle*, *16*(16), 1489-1498. PubMed PMID: 28737478; PubMed Central PMCID: PMC5584863.
19. Cardnell RJ, Li L, Sen T, Bara R, Tong P, Fujimoto J, Ireland AS, Guthrie MR, Bheddah S, Banerjee U, Kalu NN, Fan YH, Dylla SJ, Johnson FM, Wistuba II, **Oliver TG**, Heymach JV, Glisson BS, Wang J, Byers LA (2017). Protein expression of TTF1 and cMYC define distinct molecular subgroups of small cell lung cancer with unique vulnerabilities to aurora kinase

inhibition, DLL3 targeting, and other targeted therapies. *Oncotarget*, *8*(43), 73419-73432. PubMed PMID: 29088717; PubMed Central PMCID: PMC5650272.

20. Zhang W, Girard L, Zhang YA, Haruki T, Papari-Zareei M, Stastny V, Ghayee HK, Pacak K, **Oliver TG**, Minna JD, Gazdar AF (2018). Small cell lung cancer tumors and preclinical models display heterogeneity of neuroendocrine phenotypes. *Transl Lung Cancer Res*, *7*(1), 32-49. PubMed PMID: 29535911; PubMed Central PMCID: PMC5835590.

Contribution #10

21. Huang F, Ni M, Chalishazar MD, Huffman KE, Kim J, Cai L, Shi X, Cai F, Zacharias LG, IrelandAS, Li K, Gu W, Kaushik AK, Liu X, Gazdar AF, **Oliver TG**, Minna JD, Hu Z, DeBerardinis RJ (2018). Inosine Monophosphate Dehydrogenase Dependence in a Subset of Small Cell Lung Cancers. *Cell Metab*, *28*(3), 369-382.e5. PubMed PMID: 30043754; PubMed Central PMCID: PMC6125205.

22. Wagner AH, Devarakonda S, Skidmore ZL, Krysiak K, Ramu A, Trani L, Kunisaki J, Masood A, Waqar SN, Spies NC, Morgensztern D, Waligorski J, Ponce J, Fulton RS, Maggi LB Jr, Weber JD, Watson MA, O'Conor CJ, Ritter JH, Olsen RR, Cheng H, Mukhopadhyay A, Can I, Cessna MH, **Oliver TG**, Mardis ER, Wilson RK, Griffith M, Griffith OL, Govindan R (2018). Recurrent WNTpathway alterations are frequent in relapsed small cell lung cancer. *Nat Commun*, *9*(1), 3787. PubMed PMID: 30224629; PubMed Central PMCID: PMC6141466.

Contribution #4

23. Mollaoglu G, Jones A, Wait SJ, Mukhopadhyay A, Jeong S, Arya R, Camolotto SA, Mosbruger TL, Stubben CJ, Conley CJ, Bhutkar A, Vahrenkamp JM, Berrett KC, Cessna MH, Lane TE, Witt BL, Salama ME, Gertz J, Jones KB, Snyder EL, **Oliver TG** (2018). The Lineage-Defining TranscriptionFactors SOX2 and NKX2-1 Determine Lung Cancer Cell Fate and Shape the Tumor Immune Microenvironment. *Immunity*, *49*(4), 764-779.e9. PubMed PMID: 30332632; PubMed Central PMCID: PMC6197489.

Contribution #2

24. Rudin CM, Poirier JT, Byers LA, Dive C, Dowlati A, George J, Heymach JV, Johnson JE, Lehman JM, MacPherson D, Massion PP, Minna JD, **Oliver TG**, Quaranta V, Sage J, Thomas RK, Vakoc CR, Gazdar AF (2019). Molecular subtypes of small cell lung cancer: a synthesis of human and mouse model data. *Nat Rev Cancer*, *19*(5), 289-297. PubMed PMID: 30926931; PubMed Central PMCID: PMC6538259.

25. Guo B, **Oliver TG** (2019). Partners in Crime: Neutrophil-CTC Collusion in Metastasis. *Trends Immunol*, *40*(7), 556-559. PubMed PMID: 31101536; PubMed Central PMCID: PMC6759362.

26. Dammert MA, Brägelmann J, Olsen RR, Böhm S, Monhasery N, Whitney CP, Chalishazar MD, Tumbrink HL, Guthrie MR, Klein S, Ireland AS, Ryan J, Schmitt A, Marx A, Ozretić L, Castiglione R, Lorenz C, Jachimowicz RD, Wolf E, Thomas RK, Poirier JT, Büttner R, Sen T, Byers LA, Reinhardt HC, Letai A, **Oliver TG**, Sos ML (2019). MYC paralog-dependent apoptotic priming orchestrates a spectrum of vulnerabilities in small cell lung cancer. *Nat Commun*, *10*(1), 3485. PubMed PMID: 31375684; PubMed Central PMCID: PMC6677768.

Contribution #5

27. Chalishazar MD, Wait SJ, Huang F, Ireland AS, Mukhopadhyay A, Lee Y, Schuman SS, Guthrie MR, Berrett KC, Vahrenkamp JM, Hu Z, Kudla M, Modzelewska K, Wang G, Ingolia NT, Gertz J,Lum DH, Cosulich SC, Bomalaski JS, DeBerardinis RJ, **Oliver TG** (2019). MYC-Driven Small-Cell Lung Cancer is Metabolically Distinct and Vulnerable to Arginine Depletion. *Clin Cancer Res*, *25*(16), 5107-5121. PubMed PMID: 31164374; PubMed Central PMCID: PMC6697617.

28. Cable J, Finley L, Tu BP, Patti GJ, **Oliver TG**, Vardhana S, Mana M, Ericksen R, Khare S, DeBerardinis R, Stockwell BR, Edinger A, Haigis M, Kaelin W (2020). Leveraging insights into cancer metabolism-a symposium report. *Ann N Y Acad Sci*, *1462*(1), 5-13. PubMed PMID: 31792987; PubMed Central PMCID: PMC7255687.

Contribution #6

29. Poirier JT, George J, Owonikoko TK, Berns A, Brambilla E, Byers LA, Carbone D, Chen HJ, Christensen CL, Dive C, Farago AF, Govindan R, Hann C, Hellmann MD, Horn L, Johnson JE, Ju YS, Kang S, Krasnow M, Lee J, Lee SH, Lehman J, Lok B, Lovly C, MacPherson D, McFadden D, Minna J, Oser M, Park K, Park KS, Pommier Y, Quaranta V, Ready N, Sage J, Scagliotti G, Sos ML, Sutherland KD, Travis WD, Vakoc CR, Wait SJ, Wistuba I, Wong KK, Zhang H, Daigneault J, Wiens J, Rudin CM, **Oliver TG** (2020). New Approaches to SCLC

Therapy: From the Laboratory to the Clinic. *J Thorac Oncol*, *15*(4), 520-540. PubMed PMID: 32018053; PubMed Central PMCID: PMC7263769.

30. Stewart CA, Gay CM, Xi Y, Sivajothi S, Sivakamasundari V, Fujimoto J, Bolisetty M, Hartsfield PM, Balasubramaniyan V, Chalishazar MD, Moran C, Kalhor N, Stewart J, Tran H, Swisher SG, Roth JA, Zhang J, de Groot J, Glisson B, **Oliver TG**, Heymach JV, Wistuba I, Robson P, Wang J, Byers LA (2020). Single-cell analyses reveal increased intratumoral heterogeneity after the onset oftherapy resistance in small-cell lung cancer. *Nat Cancer*, *1*, 423-436. PubMed PMID: 33521652; PubMed Central PMCID: PMC7842382.
31. Melnikova M, Wauer US, Mendus D, Hilger RA, **Oliver TG**, Mercer K, Gohlke BO, Erdmann K, Niederacher D, Neubauer H, Buderath P, Wimberger P, Kuhlmann JD, Thomale J (2020). Diphenhydramine increases the therapeutic window for platinum drugs by simultaneously sensitizing tumor cells and protecting normal cells. *Mol Oncol*, *14*(4), 686-703. PubMed PMID: 32037720; PubMed Central PMCID: PMC7138396.
32. Ireland AS, **Oliver TG** (2020). Neutrophils Create an ImpeNETrable Shield between Tumor and Cytotoxic Immune Cells. *Immunity*, *52*(5), 729-731. PubMed PMID: 32433945; PubMed Central PMCID: PMC7851833.

Contribution #3

33. Ireland AS, Micinski AM, Kastner DW, Guo B, Wait SJ, Spainhower KB, Conley CC, Chen OS, Guthrie MR, Soltero D, Qiao Y, Huang X, Tarapcsák S, Devarakonda S, Chalishazar MD, Gertz J, Moser JC, Marth G, Puri S, Witt BL, Spike BT, **Oliver TG** (2020). MYC Drives Temporal Evolution of Small Cell Lung Cancer Subtypes by Reprogramming Neuroendocrine Fate. *Cancer Cell*, *38*(1), 60-78.e12. PubMed PMID: 32473656; PubMed Central PMCID: PMC7393942.
34. Tsabar M, Mock CS, Venkatachalam V, Reyes J, Karhohs KW, **Oliver TG**, Regev A, JambhekarA, Lahav G (2020). A Switch in p53 Dynamics Marks Cells That Escape from DSB-Induced CellCycle Arrest. *Cell Rep*, *32*(5), 107995. PubMed PMID: 32755587; PubMed Central PMCID: PMC7521664.
35. Huang F, Huffman KE, Wang Z, Wang X, Li K, Cai F, Yang C, Cai L, Shih TS, Zacharias LG, Chung A, Yang Q, Chalishazar MD, Ireland AS, Stewart CA, Cargill K, Girard L, Liu Y, Ni M, XuJ, Wu X, Zhu H, Drapkin B, Byers LA, **Oliver TG**, Gazdar AF, Minna JD, DeBerardinis RJ (2021).Guanosine triphosphate links MYC-dependent metabolic and ribosome programs in small-cell lung cancer. *J Clin Invest*, *131*(1). PubMed PMID: 33079728; PubMed Central PMCID: PMC7773395.

Contribution #7

36. Olsen RR, Ireland AS, Kastner DW, Groves SM, Spainhower KB, Pozo K, Kelenis DP, Whitney CP, Guthrie MR, Wait SJ, Soltero D, Witt BL, Quaranta V, Johnson JE, **Oliver TG** (2021). ASCL1 represses a SOX9^{+} neural crest stem-like state in small cell lung cancer. *Genes Dev*, 35(11-12), 847-869. PubMed PMID: 34016693; PubMed Central PMCID: PMC8168563.
37. Ciampricotti M, Karakousi T, Richards AL, Quintanal-Villalonga A, Karatza A, Caeser R, Costa EA, Allaj V, Manoj P, Spainhower KB, Kombak FE, Sanchez-Rivera FJ, Jaspers JE, Zavitsanou AM, Maddalo D, Ventura A, Rideout WM, Akama-Garren EH, Jacks T, Donoghue MTA, Sen T, **Oliver TG**, Poirier JT, Papagiannakopoulos T, Rudin CM (2021). Rlf-Mycl gene fusion drives tumorigenesis and metastasis in a mouse model of small cell lung cancer. *Cancer Discov*. PubMed PMID: 34344693; PubMed Central PMCID: PMC8810895.
38. Cargill KR, Stewart CA, Park EM, Ramkumar K, Gay CM, Cardnell RJ, Wang Q, Diao L, Shen L, Fan YH, Chan WK, Lorenzi PL, **Oliver TG**, Wang J, Byers LA (2021). Targeting MYC-enhancedglycolysis for the treatment of small cell lung cancer. *Cancer Metab*, *9*(1), 33. PubMed PMID: 34556188; PubMed Central PMCID: PMC8461854.

Contribution #9

39. Sutherland KD, Ireland AS, **Oliver TG** (2022). Killing SCLC: insights into how to target a shapeshifting tumor. *Genes Dev*, 1;36(5-6):241-258. PubMed PMID: 35318269; PubMed Central PMCID: PMC8973850.
40. Hamad SH, Montgomery SA, Simon JM, Bowman BM, Spainhower KB, Murphy RM, Knudsen ES, Fenton SE, Randell SH, Holt JR, Hayes DN, Witkiewicz AK, **Oliver TG**, Major MB, Weissman BE (2022). TP53, CDKN2A/P16, and NFE2L2/NRF2 regulate the incidence of pure-

and combined-small cell lung cancer in mice. *Oncogene*, 16. doi: 10.1038/s41388-022-02348-0. Epub ahead of print. PubMed PMID: 35577980.

41. Kelenis DP, Rodarte KE, Kollipara RK, Pozo K, Pal Choudhuri S, Spainhower KB, Wait SJ, Stastny V, **Oliver TG**, Johnson JE. Inhibition of karyopherin β1-mediated nuclear import disrupts oncogenic lineage-defining transcription factor activity in small cell lung cancer. *Cancer Res*. 2022 Jun 24:canres.3713.2021. doi: 10.1158/0008-5472.CAN-21-3713. Epub ahead of print. PMID: 35748745.
42. Groves SM, Ildefonso GV, McAtee CO, Ozawa PMM, Ireland AS, Wasdin PT, Huang X, Qiao Y, Lim JS, Bader J, Liu Q, Simmons AJ, Lau KS, Iams WT, Hardin DP, Saff EB, Holmes WR, Tyson DR, Lovly CM, Rathmell JC, Marth G, Sage J, **Oliver TG**, Weaver AM, Quaranta V. Archetype tasks link intratumoral heterogeneity to plasticity and cancer hallmarks in small cell lung cancer. *Cell Systems* (In Press)

2. Books: (Indicate authors or editor.)

3. Chapters in books:

4. Selected abstracts

1. Non-refereed publications: (Non-refereed publications refer to those which do not routinely use a system of critical review prior to publication; such articles are often solicited by the publisher.)
    i. Print
    ii. Digital

2. Published scientific reviews for mass distribution

3. Position, and background papers

4. Non-authored publications: (Faculty member formally acknowledged in the publication for her/his contributions.)

5. Other/Letters/Editorials
    1. **Oliver TG** (2013). Ovarian Stem Cells Find Their Niche. *Sci Transl Med*, *5*(177), 177ec47.
    2. **Oliver TG** (2013). Dangerous Liaisons: When Two Wrongs Just Might Make a Right. *Sci TranslMed*, *5*(183), 183ec73.
    3. **Oliver TG** (2013). A TWO Hit Wonder for Melanoma Treatment. *Sci Transl Med*, *5*(189), 189ec97.
    4. **Oliver TG** (2013). An Inferiority Complex for Chemo. *Sci Transl Med*, *5*(195), 195ec121.
    5. **Oliver TG** (2013). An Anti-Depressing Discovery for Lung Cancer Treatment. *Sci Transl Med*, *5* (207), 207ec170.
    6. **Oliver TG** (2013). Waking a Sleeping Giant...on Purpose? *Sci Transl Med*, *5*(213), 213ec196.
    7. **Oliver TG** (2014). RIG-ging Biomarkers for Therapeutic Response. *Sci Transl Med*, *6*(219),219ec11.
    8. **Oliver TG** (2014). Bosom Buddies: Close Connections Between Breast and Bladder Cancer. *SciTransl Med*, *6*(225), 225ec36.
    9. Pe'er D, Ogawa S, Elhanani O, Keren L, **Oliver TG**, Wedge D (2021). Tumor heterogeneity. *Cancer Cell*, *39*(8), 1015-1017. PubMed PMID: 34375606.

Consultant appointments: (Include US government, state, private organizations, etc.)

2021 - Present	Known Medicine, Scientific Advisory Board Member
2021 – 2022	Immunology, Inflammation, and Infectious Disease (3i) Initiative, University of Utah, Scientific Advisory Board
2020 - Present	Lung Cancer Research Foundation (LCRF), Scientific Advisory Board Member
2020 - Present	Lung Cancer Research Foundation (LCRF), Equity in Lung Cancer Research Task Force

Scholarly societies (Alpha Omega Alpha, Sigma Xi, Phi Beta Kappa; etc.)

Professional awards and special recognitions:

2021	Heine H. Hansen Lectureship Award for Small Cell Lung Cancer, World Conference on Lung Cancer, International Association for the Study of Lung Cancer (IASLC)
2018 – 2021	William C. Rippe Award for Distinguished Research in Lung Cancer, Lung Cancer Research Foundation (LCRF)
2017 - 2019	American Lung Association, Lung Cancer Discovery Award
2013 - 2017	American Cancer Society Research Scholar Award
2013 - 2015	Damon Runyon-Rachleff Innovation Award
2012 - 2013	The V Foundation for Cancer Research, V Foundation Scholar Award
2011	Cancer Prevention and Research Institute of Texas (CPRIT) Research Award, declined
2010 - 2011	Ludwig Postdoctoral Fellowship, Massachusetts Institute of Technology
2007 - 2010	ASPET-Merck Postdoctoral Fellowship in Integrative Pharmacology
2007	Finalist, Life Sciences Research Foundation (LSRF) Postdoctoral Fellowship
2005	Faculty of 1000 Biology citation & review for Oliver, TG et al., Development, 2005
2005	Conference Travel Fellowship, Duke University (Keystone Symposium)
2004	Conference Travel Fellowship, Duke University, American Association for Cancer Research (AACR)
2004	Pfizer Education Scholarship: Travel award and poster presentation at the Keystone Symposium on Cancer and Development, Banff, Canada, 2005
2004	Molecular Cancer Biology Program nominee to represent Duke University for the Harold Weintraub Graduate Student Award
2003 - 2005	National Science Foundation (NSF) Graduate Research Fellowship
2001	B.S. in Chemistry, Summa Cum Laude with Honors
2000 - 2001	Dighton Science Scholarship, Oklahoma Baptist University
2000	University of Colorado Cancer Center (UCCC) Student Fellowship Mentor: Dr. Paul Bunn Jr., M.D., (Director)
1999	Sir Alexander Fleming Scholar, Oklahoma Medical Research Foundation Mentor: Dr. Yashige Kotake, Ph.D., Free Radical Biology & Aging Program
1997 - 2001	President's Honor Roll, Oklahoma Baptist University
1997 - 2001	Distinguished Scholar Award, Oklahoma Baptist University
1997 - 2001	Valedictorian Scholarship, Oklahoma Baptist University

Editorial Experience

a. Editorial Boards

2022 - Present	Editorial Board for *Genes & Development*
2013 - 2014	Associate Scientific Advisor for *Science Translational Medicine*

b. Ad Hoc Scientific Review Journals

2021 - Present	Reviewer for *Cell Reports Methods*
2021 - Present	Reviewer for *Cell*
2020 - Present	Reviewer for *Molecular Cancer Research*
2020 - Present	Reviewer for *Nature Cancer*
2020 - Present	Reviewer for *Sciences Advances*
2019 - Present	Reviewer for *eLife*
2019 - Present	Reviewer for *Cell Stem Cell*
2018 - Present	Reviewer for *Molecular Cancer Therapeutics*
2018 - Present	Reviewer for *Journal of Experimental Medicine*
2018 - Present	Reviewer for *Translational Lung Cancer Research*
2017 - Present	Reviewer for *Clinical Cancer Research*
2017 - Present	Reviewer for *Cell Reports*
2016 - Present	Reviewer for *Oncotarget*
2016 - Present	Reviewer for *Plos Biology*
2015 - Present	Reviewer for *Cancer Cell*
2015 - Present	Reviewer for *Cancer Discovery*
2015 - Present	Reviewer for *Nature Medicine*
2015 - Present	Reviewer for *Scientific Reports*
2015 - Present	Reviewer for *Disease Models & Mechanisms*
2015 - Present	Reviewer for *BMC Cancer*
2013 - Present	Reviewer for *Plos One*
2013 - Present	Reviewer for *Oncogene*

Organizations and participation: (Offices held, committee assignments, etc.)

2022 – Present	Member, National Institutes of Health (NIH) Mechanisms of Cancer Therapeutics-1 (MCT1) study section
2021 - Present	Member, Known Medicine, Scientific Advisory Board
2021	Reviewer, NIH Special Emphasis Panel on National Cancer Institute (NCI) Program Project IV (P01) PAR 20-077
2021	Ad Hoc Reviewer, National Institutes of Health (NIH) Mechanisms of Cancer Therapeutics-1 (MCT1) study section

2021	Reviewer, California Institute for Regenerative Medicine (CIRM), Translational Research Program
2021	Reviewer, Boehringer Ingelheim Foundation
2021	Reviewer, V Foundation "Black\African American V Scholar Grants"
2020 - Present	Member, Lung Cancer Research Foundation (LCRF), Equity in Lung Cancer Research Task Force
2020 - Present	Member, Lung Cancer Research Foundation (LCRF), Scientific Advisory Board
2020	Reviewer, NIH Special Emphasis Panel on National Cancer Institute (NCI) Program Project IV (P01) PAR 20-077
2020	Reviewer, NIH Special Emphasis Panel for Cancer Biology ZRG1 OBT-K (02)
2019	Reviewer, Cancer Research United Kingdom (CRUK)
2019	Reviewer, NIH Special Emphasis Panel on Neural Regulation of Cancer PARsSEP ZRG1OBT-S (55)
2019	Reviewer, NIH Special Emphasis Panel on PAR 16-049 SCLC Consortium
2019 - 2021	Co-Chair, American Cancer Society, Tumor Biology and Genomics Study Section
2017 - 2021	Member, American Cancer Society, Tumor Biology and Genomics Study Section
2017	Ad Hoc Reviewer, American Cancer Society, Tumor Biology and Genomics
2017 - 2018	Reviewer, American Cancer Society, Institutional Research Grant (IRG)
2016 - Present	Reviewer, Huntsman Cancer Institute, Melanoma SPORE, Internal Advisory Committee
2015 - Present	Member, International Association for the Study of Lung Cancer, ID #416129
2010 - Present	Member, American Association for Cancer Research, ID #101450
2015	Reviewer, Department of Defense, CDMRP, LCRP Concept Award - PathobiologyPanel
2015 - Present	Reviewer, Medical Research Council (MRC), UK Research Council, United Kingdom
2014 - 2015	Reviewer, Children's Tumor Foundation

External support - gifts, grants, and contracts:

	PI	% Effort	Purpose	Approximate Amount	Duration
a) Past:	Trudy G. Oliver, Charles Rudin, John Minna	5%	U24CA213274 SCLC Research Consortium	$45,444	02/01/19-01/31/22
	Trudy G. Oliver, Obi Griffith, Ramaswamy Govindan	N/A	U01CA231844 Supplement	$130,959	09/01/20-08/31/21
	Trudy G. Oliver	N/A	Closer to Cure Gift for continued research	$25,000	01/01/20-12/31/20
	Trudy G. Oliver	8%	LCRF	$150,000	11/01/18-10/31/20

Trudy G. Oliver	15%	R21CA21650	$358,342	12/01/17-11/30/19
Gurkan Mollaoglu	N/A	F99CA223015 Oliver, Mentor	$65,354	09/14/17-05/02/19
Trudy G. Oliver	10%	LCD-506758 American Lung Association	$200,000	07/01/17-06/30/19
Trudy G. Oliver	22%	R01CA187457	$1,545,875	07/01/14-05/31/19
Trudy G. Oliver	18%	124568-RSG-13-300-01 American Cancer Society	$720,000	07/01/13-06/30/17
Trudy G. Oliver	7%	DRR-26-13 Damon Runyon Cancer Research Foundation	$450,000	01/01/13-06/30/16
Trudy G. Oliver	N/A	V Foundation for Cancer Research	$200,000	10/01/12-09/30/14
Trudy G. Oliver	18%	W81XWH-12-1-0211 U.S. Department of Defense	$112,125	07/01/12-06/30/13

b) Present:

Trudy G. Oliver	15%	R01CA251147	$1,845,625	07/01/21-06/30/26
Trudy G. Oliver	16%	R01CA244841	$1,939,272	03/01/20-02/28/25
Trudy G. Oliver, Obi Griffith, Ramaswamy Govindan	12%	U01CA231844	$1,415,426	09/01/18-08/31/23
Trudy G. Oliver Baldomero Olivera	10%	ASPIRE Fall 21	$250,000	07/01/22-02/28/23
Trudy G. Oliver, Charles Rudin, John Minna Lauren Byers	10%	U24CA213274 Renewal SCLC Research Consortium	$991,250	07/01/22-01/31/27

c) Pending:

Mentoring activities

i. Faculty
ii. Fellows, doctoral, post docs
iii. Resident
iv. Medical students

Trainee Supervision

Faculty

2017 - 2021 Mentor, Xiaoyang Zhang, PhD, University of Utah, Assistant Professor

2019 - Present Mentor, Sonam Puri, MD, University of Utah, Assistant Professor

Fellow

2011 - 2013	Advisor/Mentor, Samuel Slomowitz, University of Utah, MD Hem/Onc Fellow

PhD/Doctorate

2020 - 2021	Advisor/Mentor, Gabriela Fort, University of Utah, PhD Candidate
2020 - Present	Advisor/Mentor, Abbie Ireland, University of Utah, PhD Candidate (transferring to Duke University in PCB, 2022)
2019 - Present	Advisor/Mentor, Tony Reyes, University of Utah, PhD Candidate (visiting student scholar at Duke University, 2022)
2016 - 2017	Advisor/Mentor, Haixia Cheng, University of Utah, Postdoc
2015	Advisor/Mentor, Michelle Baladi, University of Utah, Postdoc
2014 - 2019	Advisor/Mentor, Milind Chalishazar, University of Utah, PhD Candidate
2014 - 2019	Advisor/Mentor, Gurkan Mollaoglu, University of Utah, PhD Candidate
2013 - 2014	Supervisor, Rahul Arya, University of Utah, Postdoc
2013 - 2014	Supervisor, Chunhua Wu, University of Utah, Postdoc
2012 - 2015	Advisor/Mentor, Anandaroop Muhkopadhyay, University of Utah, Postdoc
2006 - 2014	Advisor/Mentor, Matthew Terry, University of Utah, Graduate Student (Transfer from David Grunwald's Lab, from 2011-2014)

Medical Student

2016	Rotation Supervisor, Youna Choi, University of Utah
2016	Rotation Supervisor, Cathy Mangum, University of Utah
2013	Summer Research Supervisor, Peter Hale, University of Utah

Undergraduate

2021 - 2022	Supervisor, Youngjae Lee, University of Utah
2021	Supervisor, Jose Herrera, University of Utah
2018	Supervisor, Greg Lee, University of Utah
2018	Supervisor, Sophia Schuman, University of Utah
2017	Supervisor, Jacqueline Lara, California State Polytechnic University Pomona
2017 - 2019	Supervisor, Sarah Wait, University of Utah
2016 - 2017	Supervisor, Yohan Paitrault, University of Utah
2016 - 2017	Supervisor, Younjee Lee, University of Utah
2016 - 2017	Supervisor, Sangmin Jeong, University of Utah
2015 - 2016	Supervisor, Kendall Denning, University of Utah
2015 - 2019	Supervisor, Abbie Ireland, University of Utah
2014	Supervisor, Kidus Feleke, University of Utah, Huntsman Cancer Institute Summer Internship

2013	Supervisor, Crystal Chau, University of Utah
2011 - 2012	Supervisor, Ushma Kc, University of Utah
2011 - 2012	Supervisor, Amaris Rosario, University of Utah

High School

2021 - Present	Advisor/Mentor, Shreya Reddy, University of Utah
2021	Advisor/Mentor, Jose Herrera, University of Utah, PathMaker Summer Research Program
2019 - 2021	Advisor/Mentor, Clara Tandar, University of Utah
2016	Advisor/Mentor, Bettsy Romo, University of Utah, PathMaker Summer Research Program

Graduate Student Committees

2021 - Present	Chair, Abbie Ireland, University of Utah, transferred to Duke University
2020 - Present	Member, Brooke Gates, University of Utah, Thesis Committee, Spike Lab
2020 - 2021	Chair, Gabriela Fort, University of Utah
2020 - Present	Chair, Tony Reyes, University of Utah
2019 - 2022	Member, Joan Cheng, University of Utah
2019 - Present	Member, Ben Ozenberger, University of Utah, Jones Lab
2016 - 2017	Member, Pei-Yi Tai, University of Utah, Prelim and Thesis Committee, Ayer Lab
2015 - 2019	Chair, Gurkan Mollaoglu, University of Utah
2015 - 2019	Member, David Kircher, University of Utah, Holmen Lab
2015 - 2019	Chair, Milind Chalishazar, University of Utah
2015 - 2018	Member, Jamie Gardiner, University of Utah, Schiffman Lab
2015	Chair, Shelley MacNeil, University of Utah, Prelim Committee
2015	Member, Adam Gardner, University of Utah, Prelim Committee
2015	Member, Jae Hyuk Yoo, University of Utah, Thesis Committee, Li Lab
2014 - 2018	Member, Dollie LaJoie, University of Utah, Prelim Committee, Ullman Lab
2014 - 2018	Member, Karina Vasquez, University of Utah, Tantin Lab
2014 - 2017	Member, Helena Lucente, University of Utah, Engel Lab
2014 - 2015	Member, Harriet Greenlee, University of Utah, Chemistry Dept
2012 - 2014	Chair, Matthew Terry, University of Utah
2012 - 2018	Member, Zhizhou Ye, University of Utah, Ayer Lab
2012 – 2019	Chair, Prelim Committee and Thesis Committee, David McClellan, University of Utah, Engel Lab
2012	Member, Prelim Committee, Blake Wilde, University of Utah, Ayer Lab
2012 – 2015	Member, Daria Drobysheya, University of Utah, B. Welm Lab

2012 – 2014	Member, Nader El Chaar, University of Utah, Bild Lab
2012 – 2016	Member, Matthew Velinder, University of Utah, Jones/Engel Labs
2012	Member, Prelim Committee, Susie Choi, University of Utah, Bearss Lab
2011 – 2015	Member, Shelly Sorrells, University of Utah, Jette Lab
2011 – 2015	Member, Mun Kyoung Kim, University of Utah, Topham Lab
2011 – 2013	Member, Pranav Mathur, University of Utah, Jette Lab

Additional Research/Scholarship Contributions

2021	Rotation Student Advisor - Natalie Miscik
2021	Rotation Student Advisor - Austin Peppers
2020	Rotation Student Advisor - Hannah Young
2019	Rotation Student Advisor - Yifan Wu
2019	Rotation Student Advisor - Gabriela Fort
2019	Rotation Student Advisor - Morgan Ivy
2018	Rotation Student Advisor - Victoria Krawiec
2018	Rotation Student Advisor - Pavitra Viswanath
2018	Rotation Student Advisor - Tony Reyes
2018	Rotation Student Advisor - David Freeman
2018	Rotation Student Advisor - Elliott Paine
2017	Rotation Student Advisor - Ian Cooney
2017	Rotation Student Advisor - Ben Ozenberger
2016	Rotation Student Advisor - Andrew Baessler
2015	Rotation Student Advisor - Michael Scherzer
2015	Rotation Student Advisor - Maritza Rosales
2015	Rotation Student Advisor - Kate Updike
2014	Rotation Student Advisor - Aman Makaju
2014	Rotation Student Advisor - Josh Daugherty
2014	Rotation Student Advisor - Phong Lu
2012	Rotation Student Advisor - David McClellan
2012	Rotation Student Advisor - Colin Russell
2011	Participant, HCI Cancer Center Retreat, Sundance, UT

Education / Teaching activities (Residents, Medical students, CME)

i. Teaching and supporting Learners See form)
ii. Development of courses/educational programs
iii. Development of assessment tools and methods
iv. Education management/ Leadership

Course and Curriculum Development

2012	"Signaling in Development and Cancer." University of Utah, Graduate Student Journal

	Club and Grant Writing Course. Designed curriculum and co-taught with Bryan Welm, PhD
2006	"When Development Goes Awry: How Cancer Co-opts Mechanisms of Embryogenesis" MIT, Advances Undergraduate Seminar, 7.343. Co-designed andtaught with Etienne Meylan, PhD (2006)

Course Lectures

2021	Instructor, ONCSC-6500: Molecular Mechanisms of Cancer, University of Utah, Oncological Sciences, "TP53, apoptosis, and cancer"
2021	MBIOL-6200: Critical Thinking in Research, University of Utah, Human Molecular Biology and Genetics, Paper Presentation
2021	PI, 7720: Lab Res Conferences, 3, University of Utah, School of Medicine
2021	PI, 7970: Thesis Research-Ph D, 3, University of Utah, School of Medicine
2020	PI, 7720: Lab Res Conferences, 3, University of Utah, School of Medicine
2020	PI, 7970: Thesis Research-Ph D, 3, University of Utah, School of Medicine
2020	PI, 7720: Lab Res Conferences, 1, University of Utah, School of Medicine
2020	PI, 7970: Thesis Research-Ph D, 1, University of Utah, School of Medicine
2019	PI, 7970: Thesis Research-Ph D, 2, University of Utah, School of Medicine
2019	PI, 7720: Lab Res Conferences, 1, University of Utah, School of Medicine
2019	Instructor, ONCSC 6500: Molecular Mechanisms of Cancer, University of Utah, Oncological Sciences, "P53 and transcription factors in cancer"
2019	PI, 7970: Thesis Research-Ph D, 2, University of Utah, School of Medicine
2019	PI, 7720: Lab Res Conferences, 0, University of Utah, School of Medicine
2018	PI, 7720: Lab Res Conferences, 0, University of Utah, School of Medicine
2018	PI, 7970: Thesis Research-Ph D, 2, University of Utah, School of Medicine
2018	Instructor, MBIOL 6480: Cell Biology, 36 students, University of Utah, Human Molecular Biology and Genetics
2018	PI, 7720: Lab Res Conferences, 0, University of Utah, School of Medicine
2018	PI, 7970: Thesis Research-Ph D, 2, University of Utah, School of Medicine
2017	PI, 7720: Lab Res Conferences, 0, University of Utah, School of Medicine
2017	PI, 7970: Thesis Research-Ph D, 2, University of Utah, School of Medicine
2017	Instructor, MBIOL 6480: Cell Biology, 33 students, University of Utah, Human Molecular Biology and Genetics
2017	Instructor, ONCSC 6500: Molecular Mechanisms of Cancer, University of Utah, Oncological Sciences, "P53 signaling and tumor suppression"
2017	Developer, Molecules, Cells, and Cancer, University of Utah, Oncological Sciences, 01/23/17 2pm-3pm Signaling Cascades
2017	PI, 7970: Thesis Research-Ph D, 2, University of Utah, School of Medicine
2017	PI, 7720: Lab Res Conferences, 2, University of Utah, School of Medicine
2016	PI, 7970: Thesis Research-Ph D, 2, University of Utah, School of Medicine
2016	PI, 7720: Lab Res Conferences, 2, University of Utah, School of Medicine

2016	Developer, Molecules, Cells, and Cancer, University of Utah, Oncological Sciences, Signaling 1 - Signaling Cascades
2016	PI, 7720, 2, University of Utah, School of Medicine
2016	PI, 7970, 2, University of Utah, School of Medicine
2016	Instructor, MBIOL 6480: Cell Biology, 13 students, University of Utah, Human Molecular Biology and Genetics, Two lectures on Apoptosis.
2016	Instructor, MD ID 7310: Cells, Molecules, & Cancer, 120 students, University of Utah, Deans Office - SOM
2015	PI, 7720: Lab Res Conferences, 2, University of Utah, School of Medicine
2015	PI, 7970: Thesis Research-Ph D, 2, University of Utah, School of Medicine
2015	PI, 7720: Lab Res Conferences, 2, University of Utah, School of Medicine
2015	PI, 7970: Thesis Research-Ph D, 2, University of Utah, School of Medicine
2015	Instructor, MBIOL 6480: Cell Biology, 32 students, University of Utah, Human Molecular Biology and Genetics, Two lectures on Apoptosis
2015	Instructor, ONCSC 6500: Clin/Molec Cancer Bio, 16 students, University of Utah, Oncological Sciences
2015	Instructor, MD ID 7310: Cells, Molecules, & Cancer, 102 students, University of Utah, Deans Office - SOM
2014	Facilitator, Circulation, Respiration, and Regulation - Case Based Learning H, University of Utah, Oncological Sciences, Case Based Learning H
2014	Facilitator, Circulation, Respiration, and Regulation - Case Based Learning G, University of Utah, Oncological Sciences, Case Based Learning G
2014	Facilitator, Circulation, Respiration, and Regulation - Case Based Learning F, University of Utah, Oncological Sciences, Case Based Learning F
2014	Facilitator, Circulation, Respiration, and Regulation - Case Based Learning E, University of Utah, Oncological Sciences, Case Based Learning E
2014	Facilitator, Circulation, Respiration, and Regulation - Case Based Learning D, University of Utah, Oncological Sciences, Case Based Learning D
2014	Facilitator, Circulation, Respiration, and Regulation - Case Based Learning C, University of Utah, Oncological Sciences, Case Based Learning C
2014	Facilitator, Circulation, Respiration, and Regulation - Case Based Learning B, University of Utah, Oncological Sciences, Case Based Learning B
2014	Facilitator, Circulation, Respiration, and Regulation - Case Based Learning A, University of Utah, Oncological Sciences, Case Based Learning A
2014	Facilitator, MD ID 7360: Circ, Resp, Elimination, 101 students, University of Utah, Deans Office - SOM
2014	PI, 7720: Lab Res Conferences, 2, University of Utah, School of Medicine
2014	PI, 7970: Thesis Research-Ph D, 3, University of Utah, School of Medicine
2014	Instructor, MBIOL 6480: Cell Biology, 43 students, University of Utah, Biology, "Apoptosis"
2014	PI, 7720: Lab Res Conferences, 0, University of Utah, School of Medicine
2014	PI, 7970: Thesis Research-Ph D, 1, University of Utah, School of Medicine
2013	Integrated Case: Facilitator, Circulation, Respiration, and Regulation - Case Based

	Learning G, University of Utah, Oncological Sciences, Case Based Learning G
2013	Integrated Case: Facilitator, Circulation, Respiration, and Regulation - Case Based Learning F, University of Utah, Oncological Sciences, Case Based Learning F
2013	Integrated Case: Facilitator, Circulation, Respiration, and Regulation - Case Based Learning E, University of Utah, Oncological Sciences, Case Based Learning E
2013	Integrated Case: Facilitator, Circulation, Respiration, and Regulation - Case Based Learning D, University of Utah, Oncological Sciences, Case Based Learning D
2013	Integrated Case: Facilitator, Circulation, Respiration, and Regulation - Case Based Learning C, University of Utah, Oncological Sciences, Case Based Learning C
2013	Integrated Case: Facilitator, Circulation, Respiration, and Regulation - Case Based Learning B, University of Utah, Oncological Sciences, Case Based Learning B
2013	Integrated Case: Facilitator, Circulation, Respiration, and Regulation - Case Based Learning A, University of Utah, Oncological Sciences, Case Based Learning A
2013	Facilitator, MD ID 7360: Circ, Resp, Elimination, 88 students, University of Utah, Deans Office - SOM
2013	PI, 7970: Thesis Research-Ph D, 1, University of Utah, School of Medicine
2013	PI, 7720: Lab Res Conferences, 0, University of Utah, School of Medicine
2013	Instructor, ONCSC-6500: Molecular Mechanisms of Cancer, University of Utah, MD, "Transcription Factors in Cancer"
2013	PI, 7970: Thesis Research-Ph D, 1, University of Utah, School of Medicine
2012	PI, 7970: Thesis Research-Ph D, 1, University of Utah, School of Medicine
2012	PI, 7720: Lab Res Conferences, 0, University of Utah, School of Medicine
2012	PI, 7970: Thesis Research-Ph D, 1, University of Utah, School of Medicine

Clinical Teaching

2019	Case-Based Learning (CBL) on Brain & Behavior, substitute for Dr. Alana Welm
2014	Medical School Teaching: Case-Based Learning (Pulmonary) "Circulation, Respiration, and Regulation"
2013	Medical School Teaching: Case-Based Learning (Pulmonary) "Circulation, Respiration, and Regulation"

Small Group Teaching

2016	Faculty Mentor, Graduate Fellowship Writing Workshop for the Med2Grad program
2013	Facilitator, Cancer Biology Journal Club ONCSC-7700-003 (Tumor Resistanceand Evasion Mechanisms)
2011	Facilitator, Cancer Biology Journal Club ONCSC-7700-003 (Tumor Resistanceand Evasion Mechanisms)

Educational Lectures

Didactic Lectures

2015	Molecular Cell Biology Program (Faculty Research Interest Seminar FRIS)

2015	Lecture in Biochemical Mechanisms of Signal Transduction (PH TX 7500-001)
2014	Molecular Cell Biology Program (Faculty Research Interest Seminar FRIS)
2012	Lecture, for Math Department PhD Program
2012	Molecular Cell Biology Program (Faculty Research Interest Seminar FRIS)
2011	Molecular Cell Biology Program (Faculty Research Interest Seminar FRIS)

Invited Lectures and Presentations

i. Named Lectures
ii. Visiting Professorships
iii. International Meetings
iv. National Scientific Meetings (invited)
v. Instructional Courses, workshops, symposiums (National)
vi. Posters (National meeting)
vii. Regional presentations and posters

i. Named Lectures

2021	Heine H. Hansen Lectureship Award for Small Cell Lung Cancer, World Conference on Lung Cancer, International Association for the Study of Lung Cancer (IASLC) (Virtual due to Covid19)
2020	Oregon Health & Science University (OHSU) Knight Cancer Institute and the Department of Cell, Michael J. Hasson Lectureship for Mesothelioma, Basic and Translational Sciences Virtual Seminar Series

ii. Invited/Visiting Professor Presentations

International

2021	Princess Margaret Research Institute Virtual Seminar Series, Toronto, ON, Canada
2021	Dana-Farber/Harvard Cancer Center, Connect: Science Virtual Seminar Series
2018	Cancer Research UK (CRUK), Manchester, England, United Kingdom
2009	University of Essen-Duisburg, Germany

National

2023	Purdue Center for Cancer Research Seminar Series, West Lafayette, IN
2022	Memorial Sloan Kettering Cancer Center (MSKCC), Cancer Biology & Genetics Seminar Series
2022	The University of Texas MD Anderson Cancer Center Gallick/GU Oncology Group Lab Meeting (virtual due to Covid19)
2021	Duke University, Durham, NC
2021	Beth Israel Deaconess Medical Center (BIDMC), Cancer Research Institute (CRI) virtual seminar series
2021	University of Pittsburgh Medical Center Seminar, Pittsburgh, PA
2021	Cedars-Sinai Medical Center, Cancer Immunology Club/Seminars virtual series
2021	University of Nebraska Medical Center, Eppley Institute Virtual Seminar Series

2021	McArdle Laboratory for Cancer Research, University of Wisconsin – Madison, Cancer Biology Virtual Seminar Series
2020	Fred Hutchinson Cancer Research Center, Lung SPORE Virtual Seminar Series
2020	Yale Center for Immuno-Oncology, Yale School of Medicine Virtual Seminar Series
2019	Sanford Research, Sioux Falls, SD
2019	Washington University School of Medicine, St. Louis, MO
2019	Pfizer, Pearl River, NY
2019	New York University (NYU), New York, NY
2019	Memorial Sloan Kettering Cancer Center, New York City, NY
2019	University of Michigan, Ann Arbor, MI
2018	Massachusetts Institute of Technology (MIT), Cambridge, MA
2018	University of Texas-Southwestern, Dallas, TX
2018	Duke University, Durham, NC
2017	University of Colorado, Denver, CO
2017	University of California San Francisco (UCSF), San Francisco, CA
2017	Sanford-Burnham Medical Research Institute, La Jolla, CA
2017	Icahn School of Medicine at Mount Sinai, New York, NY
2016	University of Colorado, Denver, CO
2016	Stanford University, Stanford, CA
2016	University of Texas-Southwestern, Dallas, TX
2015	University of Colorado Denver, Anschutz Medical Campus, Denver, CO
2015	University of Massachusetts, Worchester, MA
2014	Oklahoma Medical Research Foundation, Oklahoma City, OK

<u>Local/Regional</u>

2020	Huntsman Cancer Institute, Stem Cell Affinity Group Webinar
2020	Huntsman Cancer Institute, Lung Cancer Center Virtual Meeting
2020	University of Utah, Seminars in Metabolism (SIM) Virtual Presentation
2017	Huntsman Cancer Institute Second Annual Cancer Immunotherapy Conference
2016	Immunology, Inflammation & Infectious Diseases Summer Symposium 2016, Park City, UT
2015	Hem/Onc MD Fellows Meeting
2014	Invited Lecturer, Office of Comparative Medicine, Outreach to Kearns High School
2014	Invited Lecturer, Office of Comparative Medicine, Staff Outreach
2013	Bioscience PhD Programs, Annual Bioscience Symposium, Salt Lake City, UT
2013	Hem/Onc MD Fellows Meeting
2013	External Advisory Board Meeting for HCI
2013	Biochemistry Department RIP

2013	Oncological Sciences RIP
2012	Math Department RIP, invited by Fred Adler
2012	Pulmonary Division RIP
2012	Brigham Young University, Provo, UT

iii. International Meetings/Conferences/Symposia

2022	40th Sapporo International Cancer Symposium (SICS40), Japan (virtual due to Covid19)
2022	Congress of the European Association for Cancer Research, Seville, Spain (virtual)
2021	SFB 1399 Annual Virtual Meeting, Mechanisms of Drug Sensitivity and Resistance in Small Cell Lung Cancer, SCLC consortium in Germany
2021	Co-Chair with Dr. Elsa Flores, AACR Annual Meeting Virtual Mini-Symposium, "Metabolic Pathways in Cancer."
2021	IASLC 2021 Hot Topic: Small Cell Lung Cancer Virtual Meeting
2021	Keystone eSymposia, "Precision Oncology: Translating Discovery to the Clinic" Virtual Symposia
2020	Co-Organizer and Co-Chair, *Nature* Conference- Transdisciplinary Cancer Interception: Leveraging Biology to Improve Prevention and Detection, Huntsman Cancer Institute, Salt Lake City, UT
2020	Moderator, AACR- International Association for the Study of Lung Cancer (IASLC) Conference, Panel Discussion: What to Do about Squamous Cell?, San Diego, CA
2020	Federation of American Societies for Experimental Biology (FASEB) Cell Signaling in Cancer Virtual Conference: From Mechanisms to Therapy
2020	AACR Virtual Annual Meeting II
2020	AACR-IASLC International Joint Conference: Lung Cancer Translational Science from the Bench to the Clinic, San Diego, CA
2019	AACR Annual Meeting, Atlanta, GA
2019	IASLC 2019 Small Cell Lung Cancer Meeting, New York City, NY
2019	Co-Chair/Co-Organizer, IASLC and NIH Consortium on Small Cell Lung Cancer, New York City, NY
2019	Session Chair, AACR Annual Meeting, Advances in Organ Site Research, "Small Cell Lung Cancer: A Glimmer of Light at the End of the Tunnel (AOS10)", Atlanta, GA
2018	AACR Annual Meeting, Chicago, IL
2018	AACR-IASLC International Joint Conference: Lung Cancer Translational Science from the Bench to the Clinic, San Diego, CA
2017	IASLC Small Cell Lung Cancer Workshop, New York City, NY
2016	AACR-IASLC International Joint Conference: Lung Cancer Translational Science from the Bench to the Clinic, San Diego, CA
2015	Cold Spring Harbor Asia, Development and Pathophysiology of Respiratory Systems, Suzhou, China
2015	IASLC 16th World Conference on Lung Cancer, Denver, CO

iv. National Meetings/Conferences/Symposia

2022	Cold Spring Harbor Laboratory (CHSL) Mechanisms & Models of Cancer meeting, Cold Spring Harbor, NY
2022	William Guy Forbeck Research Foundation, *Neuroendocrine Cell Fate in Development and Cancer*, Pacific Grove, CA
2021	Keynote lecture, NCI National Lung Cancer SPORE Workshop (Virtual due to Covid19)
2021	NCI U24 Virtual Small Cell Lung Cancer Consortium
2020	NCI U24 Virtual Small Cell Lung Cancer Consortium
2019	MCL Steering Committee Meeting, La Jolla, CA
2019	Salk Institute Mechanisms and Models of Cancer Symposium, La Jolla, CA
2019	Cancer Metabolism and Signaling Symposium, New York Academy of Sciences, New York, NY
2018	NCI Small Cell Lung Cancer Research Consortium Meeting, Rockville, MD
2018	AACR Special Conference on Metabolism and Cancer, New York City, NY
2018	Molecular Therapeutics of Cancer Research Meeting, Sundance, UT
2017	AACR: Advances in Modeling Cancer in Mice: Technology, Biology, and Beyond. Orlando, FL
2017	Salk Institute Mechanisms and Models of Cancer, La Jolla, CA
2017	University of North Carolina-Chapel Hill 41st Annual Lineberger Cancer Center Symposium, Chapel Hill, NC
2015	Salk Institute Mechanisms and Models of Cancer, La Jolla, CA
2015	Keystone Symposium on Endoderm Lineages in Development and Disease, Keystone, CO
2015	Damon Runyon Cancer Research Foundation, Accelerating Cancer Cures Symposium, New York, NY
2014	Damon Runyon-Rachleff Second Year Presentation, New York, NY
2013	Keystone Symposium on Lung Development, Cancer and Disease, Taos, NM
2010	Cold Spring Harbor, Mechanisms and Models of Cancer, Cold Spring Harbor, NY

v. Professional Community Activities

2021	Co-Organizer, Never-Smoking NSCLC Virtual Mini-Symposium, Lung Cancer Center, Huntsman Cancer Institute, Salt Lake City, UT
2020	Guest Speaker, Lung Cancer Research Foundation (LCRF), Kites for a Cure virtual event
2016	Invited Panelist, United Nations, United Nations (UN) Women #HeForShe, Entity for Gender Equality and the Empowerment of Women
2015	Participant, American Cancer Society, Making Strides for Cancer walk
2013	Co-Chair with Dr. Bryan Welm, Cell Response and Regulation Mini-Symposium, Salt Lake City, UT
2012	Co-Chair with Dr. Cicely Jette, Cell Response and Regulation Mini-Symposium, Salt Lake City, UT

vi. Poster Presentations

2020	AACR Virtual Special Conference on Tumor Heterogeneity: From Single Cells to Clinical Impact
2019	11th AACR-JCA Joint Conference on Breakthroughs in Cancer Research: Biology to Precision Medicine, Maui, HI
2011	Bioscience Annual Symposium Poster Presentation, Salt Lake City, UT

vii. Local/Regional Presentations and Posters

2020	Illumina: Single-Cell Sequencing Virtual Symposium – Mountain West
2019	Triple III Spring 2019 Symposium, Salt Lake City, UT
2019	HCI 4th Annual Cancer Immunotherapy Conference, Salt Lake City, UT
2019	Misregulation of Developmental Pathways in Cancer, Nuclear Control Symposium, Salt Lake City, UT
2018	"MYC drives a metabolically distinct subtype of small cell lung cancer that is dependent on arginine," Seminars in Metabolism, Salt Lake City, UT
2015	"mTOR signaling in chemo-resistant small cell lung cancer", Metabolism Interest Group, Salt Lake City, UT
2015	"Metabolic reprogramming and mTOR signaling in chemotherapy resistant small cell lung cancer", Nuclear Control Program Winter Symposium, Salt Lake City, UT
2012	Cell Response and Regulation Mini-Symposium on "DNA Damage Response and Cancer Therapy", HCI, Salt Lake City, UT
2011	Multidisciplinary Cancer Research Training Program (MCRTP) Retreat, Salt Lake City, UT
2010	Koch Institute for Integrative Cancer Research, Annual Retreat, Hyannisport, MA
2009	Merck Research Laboratories, Boston, MA
2008	Colrain Meeting, Colrain, MA
2006	Lander University, Greenwood, SC
2003	Duke Pharmacology/Cancer Biology Annual Symposium, Wrightsville, NC
2001	Duke Pharmacology and Cancer Biology Annual Symposium, Wrightsville, NC

Clinical activity - type of practice and estimate of time commitment:

Participation in academic and administrative activities of the University and Medical Center

i. Administrative positions
ii. Committees
iii. Leadership positions

i. Administrative Positions

2021 - 2022	Scientific Advisory Board, University of Utah Immunology, Inflammation, and Infectious Disease (3i) Initiative
2021 - 2022	Co-Leader, Cell Response and Regulation (CRR), Huntsman Cancer Institute (HCI)
2020 - 2022	Co-Leader, Lung Cancer Center, Huntsman Cancer Institute

ii. Committees

2021	Examiner, Bioscience PhD Programs, Molecular Biology PhD Program Capstone examiner April 29- May 5, 2021
2021	Host, Huntsman Cancer Institute, HCI Seminar Series, Dr. Miriam Merad (The Tisch Cancer Institute at Mount Sinai School of Medicine, New York City, NY)
2021	Host, Huntsman Cancer Institute, HCI Seminar Series, Dr. Owen N. Witte (UCLA David Geffen School of Medicine, Los Angeles, CA)
2021	Member, Research Misconduct Investigation Committee, ID# R01-1-2021
2021	Host, Oncological Sciences, Dr. Hua Zhang, (Perlmutter Cancer Center, New York University School of Medicine)
2020 - 2022	Member, Rising Stars in Cancer Biology Seminar Series
2020 - 2022	Member, Huntsman Cancer Institute, Human Rights Campaign (HRC) Healthcare Equality Index Committee
2020	Host, Bioscience PhD Programs, Annual Bioscience Symposium, Dr. Johanna Joyce (University of Lausanne, Lausanne, Switzerland)
2020	Examiner, Bioscience PhD Programs, Molecular Biology PhD Program Capstone examiner April 23-27, 2020
2020	Co-Organizer & Co-Chair, Huntsman Cancer Institute, Nature Conference-Transdisciplinary Cancer Interception: Leveraging Biology to Improve Prevention and Detection
2020	Host, Huntsman Cancer Institute, HCI Seminar Series, Dr. Mikala Egeblad (Cold Spring Harbor Laboratory, New York)
2019 - 2022	Member, Department of Oncological Sciences Executive Committee
2019	Faculty Mentor, Grant Writing Academy, Deer Valley, UT
2019	Host, Oncological Sciences, Dr. Jane Johnson, Visiting Scholar, (UT Southwestern)
2019	Host, Oncological Sciences, Dr. Tom Wilkie, Visiting Scholar, (UT Southwestern)
2018 - 2021	Member, Huntsman Cancer Institute, Clinical Research Executive Committee (CREC)
2018	Host, Oncological Sciences, Dr. Etienne Meylan (Swiss Institute for Experimental Cancer Research (ISREC), Lausanne, Switzerland)
2017 - 2018	Co-Chair, Department of Oncological Sciences, Junior Faculty Search Committee
2017	Faculty Mentor, Grant Writing Academy, Deer Valley, UT
2017	Host, Oncological Sciences, Dr. Triparna Sen, Visiting Scientist, (MD Anderson Cancer Center)
2017	Host, Oncological Sciences, Dr. Jane Johnson (UT Southwestern)
2017	Host, Oncological Sciences, Dr. Kevin Freeman (St. Jude Children's Research Hospital, Memphis, TN)
2016 - 2018	Member, University of Utah Health, Office of Health Equity and Inclusion Committee
2016 - 2017	Co-Leader, HCI Strategic Planning Working Group, Therapeutic Innovation
2016	Organizer & Host, Cell Response and Regulation Program, Dr. Adi Gazdar (UT Southwestern)

2015	Host, Oncological Sciences, Dr. Kate Sutherland (Walter and Eliza Hall Institute of Medical Research, Melbourne, Australia)
2015	Host, Oncological Sciences, Dr. Julien Sage (Stanford University Medical Center)
2015	Host, Huntsman Cancer Institute, HCI Seminar Series, Dr. Laura Attardi (Stanford)
2015	Host, Huntsman Cancer Institute, HCI Seminar Series, Dr. Gerard Evan (University of Cambridge)
2014 - 2022	HCI Senior Faculty Search Committee
2014 - 2018	Phase IV Huntsman Cancer Institute Building Planning Committee, Vivarium
2014 - 2017	Chemical Biology Faculty Search Committee, Department of Biochemistry and USTAR
2014	Host, School of Medicine, Seminar Series Host for Dr. Andrea McClatchey (Harvard)
2014	Host, Huntsman Cancer Institute, HCI Seminar Series Host for Dr. Geoff Wahl (Salk Institute)
2013 - 2016	Molecular Biology PhD Program Admissions Committee
2013 - 2014	Molecular Biology PhD Program Academic Advising Committee
2013	Host, Huntsman Cancer Institute, Seminar Series Host for Dr. Inder Verma (Salk Institute)
2013	Organizer & Host, Cell Response and Regulation Program, Seminar Committee,Co-Chair, Host of Dr. David Ornitz (Washington University in St. Louis)
2013	Host, Huntsman Cancer Institute, Seminar Series Host, Dr. Rob Wechler-Reya (Sanford Burnham)
2012 - 2022	HCI Micro-CT Small Animal Imaging Instrument Manager
2012 - 2015	HCI Seminar Series Committee, Member
2012 - 2014	Poster Judge, Bioscience PhD Programs, Bioscience Symposium
2012	Host, School of Medicine, Seminar Series Host, Dr. Gigi Lozano (MD Anderson)
2012	Host, Huntsman Cancer Institute, Seminar Series Host, Dr. Galit Lahav (Harvard)
2011 - 2022	Member, Cell Response and Regulation, Huntsman Cancer Institute

INTELLECTUAL PROPERTY

Patents

08/17/2021	Trudy G. Oliver, Martin Sos, Rob Wechsler-Reya (08/17/2021). U-6240 “MYC Drives Progression of Small Cell Lung Cancer to a Variant Neuroendocrine Subtype with Vulnerability to Aurora Kinase Inhibition”; Awarded 09/21/2021, US11,124,841B2
10/05/2020	(Pending). U-7055 “Patient-Derived Xenograft (PDX) Models of Lung Cancer”
05/22/2013	(Pending). U-5608 “Creation of Mouse Model of Squamous Cell Lung Cancer”

Date Signature of Chair

Personal Information

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