

Curriculum Vitae 9/3/23

G Greg Wang, Ph.D.

Department of Pharmacology and Cancer Biology (PCB)

Duke Cancer Institute (DCI)

Duke University School of medicine

Durham, NC 27710

Website: www.gregwanglab.com



<https://orcid.org/0000-0002-7210-9940>



<https://scholar.google.com/citations?user=yJ7pWLQAAAAJ&hl=en&oi=ao>

A. Personal Information

Email: greg.wang@duke.edu

Lab delivery address:

Duke University School of Medicine, MSRB-III, GREG WANG Lab/Bay 12, 3 Genome Court Durham, NC 27710-3011, USA

B. Education

- 2007 - 2011 Postdoctoral fellow (mentor: C. David Allis), Laboratory of Chromatin Biology & Epigenetics, Rockefeller University, New York, NY, USA
- 2000 - 2006 Ph.D. in Biomedical Sciences (mentor: Mark P. Kamps; co-mentor: Christopher K. Glass), University of California San Diego (UCSD), La Jolla, CA, USA
- 1997 - 2000 M.S. in Pathogenic & Cancer Biology, Fudan University Medical Center, Shanghai, China
- 1993 - 1997 B.S. in Biochemistry, Fudan University School of Life Sciences, Shanghai, China

C. Professional Experience

- 2023 Aug- present Tenured Full Professor, Department of Pharmacology and Cancer Biology (PCB), Duke Cancer Institute, Duke University School of medicine, Durham, Durham, NC, USA
- 2023 Aug- present Adjunct Professor, Department of Biochemistry and Biophysics & Department of Pharmacology, University of North Carolina (UNC) at Chapel Hill, Chapel Hill, NC
- 2022 Jan- 2023 July Tenured Full Professor, Lineberger Comprehensive Cancer Center, Department of Biochemistry and Biophysics & Department of Pharmacology, University of North Carolina (UNC) at Chapel Hill, Chapel Hill, NC
- 2018 Jun- 2021 Dec Tenured Associate Professor, Lineberger Comprehensive Cancer Center, Department of Biochemistry and Biophysics & Department of Pharmacology, University of North Carolina at Chapel Hill, Chapel Hill, NC
- 2012 Jan- present Member, Cancer Cell Biology Program, Lineberger Comprehensive Cancer Center, University of North Carolina at Chapel Hill, NC

2012 May-2018 Jun Assistant Professor (tenure track), Department of Biochemistry and Biophysics, Lineberger Comprehensive Cancer Center, University of North Carolina at Chapel Hill, Chapel Hill, NC

2011 Dec-2012 Apr Visiting Assistant Professor, Department of Biochemistry and Biophysics, University of North Carolina, Chapel Hill, NC

D. Honors and Awards

2021 American Society for Biochemistry & Molecular Biology (ASBMB) Young Investigator Award
2020 Yang Family Biomedical Scholar, UNC School of Medicine
2019 Phillip and Ruth Hettleman Prize for Artistic and Scholarly Achievement, UNC
2018 Leukemia & Lymphoma Society (LLS) Scholar
2017 Gilead Sciences Research Scholar, Gilead Inc. Scholars Program
2016 American Cancer Society (ACS) Research Scholar
2014 Janet D. Rowley Medical Research Award, Gabrielle's Angel Foundation for Cancer Res.
2014 Kimmel Scholar, Sidney Kimmel Foundation for Cancer Research
2014 Conquer Cancer Now (Concern) Award, Concern Foundation
2013 Jefferson-Pilot Fellowship in Academic Medicine, UNC
2013 American Society of Hematology (ASH) Scholar in Basic Science
2012 Martin D. Abeloff, M.D. V Scholar*, V Foundation for Cancer Research (*top rating)
2010 Howard Temin Pathway to Independence Award in Cancer Research (NCI K99/R00)
2008 Leukemia & Lymphoma Society (LLS) Fellow Award
2008 Irvington Institute & Cancer Research Institute Postdoctoral Fellowship* (*declined)
2007 Choh-Hao Li Memorial Fund Scholar (postdoctoral fellowship)
2000 Lian-He Scholarship (merit-based award to graduate/medical student), Fudan University
1994 - 1996 People's Scholarship (merit-based undergraduate scholarship), Fudan University

E. Grants

Active Grants

1. NIH/NCI R01 CA268519

01/01/2022-12/31/2026

Title: Dissecting and targeting canonical and non-canonical oncogenic functions of EZH2 in cancer

Role: contact PI (multi-PI: Jin, J); effort: 1.2 cal. (10.00%)

Direct costs: \$236,000 direct/y to Wang

2. NIH/NCI R01 CA268384

05/01/2022-04/31/2027

Title: Discovery of First-in-class WDR5 PROTACs as a Novel Therapeutic Strategy for MLL-rearranged Leukemias

Role: multi-PI (contact PI: Jin, J); effort: 1.2 cal. (10.00%)

Direct costs: \$230,000 direct/y to Wang

3. NIH 1 R01 CA271603-01.

07/01/2022-06/31/2027

The role for phase separation in oncogenesis and aberrant chromatin looping formation

Role: contact PI (multi-PI: Phanstiel, DH); effort: 1.2 cal. (10.00%)

Direct costs: \$199,000 direct/y to Wang

4. NIH/NCI R01 CA262903
01/01/2021-12/31/2025
Title: The Role of YY1 in Castration-Resistant Prostate Cancer
Role: co-I (PI: Cai, L); effort: 0.6 cal. (5.00%)
Direct costs: \$15,000 direct/y to Wang
5. NIH/NCI R01-CA274924
12/08/2022 – 11/30/2027
Title: A New Histone H3 Modification Regulates Epigenetic Programming and Gene Expression in Breast Cancer
Role: co-I; effort: 0.24 cal. (2.00%)
Direct costs: ~\$10,006 direct/y to Wang

Pending Grants (skip)

Completed Grants (in a chronological order)

1. C. H. Li Memorial Fund Postdoctoral Scholar Award (PI: Wang), Rockefeller University, \$50,000 direct cost/year, \$50,000 total costs, 5/1/2007-4/31/2008
2. Leukemia & Lymphoma Society (LLS) Fellow Award (PI: Wang), Leukemia and Lymphoma Society, \$55,000 direct/y, \$165,000 total costs, 1/1/2008-8/30/2010
3. NIH/NCI K99/R00 CA151683 (PI: Wang), NIH/NCI, \$126,950 direct K99 costs/y, \$163,816 direct R00 costs/y, \$1,022,674 total costs, 9/1/2010-8/31/2015
4. V Scholar Award (PI: Wang), V Foundation for Cancer Research, \$100,000 direct/y, \$200,000 total costs, 1/1/2012-12/30/2013
5. ASH Junior Faculty Scholar Award in Basic Science (PI: Wang), American Society of Hematology (ASH), \$75,000 direct/y, \$150,000 total costs, 7/1/2014-6/30/2016
6. CONquer canCER Now (Concern) Award (PI: Wang), Concern Foundation, \$60,000 direct/y, \$120,000 total costs, 7/01/2014-6/30/2016
7. Department of Defense (DoD) Career Development Award with a Nested Postdoctoral Fellow Traineeship (PI: Wang), DoD-US Army Congressionally Directed Medical Research Programs (CDMRP), FY14 Peer Reviewed Cancer Research Program (PRCRP), \$180,000 direct/y, \$545,845 total costs, 7/1/2014-6/30/2016 (non-cost extension to 6/30/2017)
8. Kimmel Scholar award (PI: Wang), Sidney Kimmel Foundation, \$90,909 direct/y, \$200,000 total costs, 7/1/2014 - 6/30/2017
9. Gabrielle's Angel Foundation, Junior Faculty Grant/Award (PI: Wang), \$68,182 direct/y, \$225,000 total costs, 3/1/2014- 3/1/2017 (extended to 3/1/2018)
10. Tie 2 UCRF Stimulus Initiative Grants (PI: Wang), UNC Lineberger Comprehensive Cancer Center, \$75,000 direct/y, \$150,000 total cost, 9/1/2016 - 8/30/2018
11. Gilead Sciences Research Scholars Program in Hematology/Oncology, Gilead 17-0767, \$130,000 total cost, 01/01/2017-12/31/2018
12. When Everyone Survives (WES) Leukemia Research Foundation, \$50,000 total cost, 07/01/2018-6/30/2019
13. American Cancer Society (ACS) Scholar Award, Grant Number: RSG-16-039-01-DMC, \$792,000.00

total cost, 07/01/2016-06/30/2020 (non-cost extension to 06/30/2021) \

14. NIH/NCI R01 CA211336; 2/1/2017-1/31/2023; Title: Cancer epigenetics: a novel PRC2 dysregulation mechanism in multiple myeloma; Role: PI (co-I: Zheng); effort: 1.8 cal. (15.00%) ; Direct costs: \$272,976 direct/y
15. NIH/NCI R01 CA215284; 4/1/2017-3/31/2023; Title: Determining the role of DNA methylation deregulation in oncogenesis; Role: PI; Direct costs: \$230,806 direct/y to Wang
16. NIH/NCI R01 CA218600; 7/1/2017-6/31/2023; Title: Targeting Lysine Methyltransferases EZH2 and EZH1 for Treating MLL-rearranged Leukemias; Role: PI (contact PI: Jin, J); Direct costs: \$199,000 direct/y to Wang
17. Leukemia & Lymphoma Society Research Scholar, grant # 1363-19; 7/1/2018-6/31/2023
Role: PI; Direct costs: \$110,000 direct/y to Wang*; *faculty salary support only
18. Jefferson-Pilot Fellowship in Academic Medicine, UNC; Role: PI; Direct costs: a total \$20,000 to Wang Lab for flexible use in research
19. Yang Biomedical Scholar award from UNC; Role: PI; Direct costs: a total of \$75,000 to Wang Lab for flexible use in research

Mentored grants and awards to past and current trainees (in a chronological order)

1. Bowen Xu, Student Travel Award, 2nd Annual Conference on Targeting Histone Methyltransferase (2013; \$1,000)
2. Dr. Rui Lu, Lymphoma Research Foundation (LRF) Postdoctoral Fellowship (2014-16; \$105,000 total costs for 2 yrs)
3. Dr. David F. Allison, NIH T32 Postdoc Traineeship Grant awarded to UNC LCCC (2013-14)
4. Dr. David F. Allison, Debbie's Dream Foundation-AACR Gastric Cancer Research Fellowship (2015, \$50,000 total costs for 1 y)
5. Dr. Heather Hoke, NIH T32 Postdoc Traineeship Grant awarded to UNC LCCC (2015)
6. Dr. Zhihong Ren, Postdoctoral Fellow Traineeship nested in the DoD Career Development Award to Wang (2014-2016, \$120,000 total costs for 2 yrs)
7. Dr. Rui Lu, Joseph S. Pagano award (2016), an annual cash award of UNC Lineberger Cancer Center to recognize three best research papers published by UNC Cancer Center postdoctoral scientists
8. Dr. John Ahn, selected as a Forbeck Scholar of the 2022 class, William Guy Forbeck Research Foundation
9. Dr. Arum Kim, NIH/NCI Ruth L. Kirschstein National Research Service Award (2022-2025)
10. Dr. Jun Wang, Joseph S. Pagano award (2021), an annual cash award of UNC Lineberger Cancer Center to recognize three best research papers published by UNC Cancer Center postdoc scientists
11. Dr. Arum Kim, selected as a Forbeck Scholar of the 2023 class, William Guy Forbeck Research Foundation
12. Dr. Yiran Guo 2023 UNC Lineberger Graduate Fellow Award in Basic Science, an annual cash award of UNC Lineberger Cancer Center to recognize the achievements of PHD students at UNC Cancer Center

F. Invention & Patent

Approved/issued

WD40 REPEAT DOMAIN PROTEIN 5 (WDR5) DEGRADATION / DISRUPTION COMPOUNDS AND METHODS OF USE (INTERNATIONAL APPLICATION NO.PCT/US2019/038560); issued to Drs. Jin, Wang, Li, Liu, Yu

G. Bibliography

Selected Impactful Articles:

- ❖ Shuai Z, ... **Wang GG. #**. *Nature* 2023 (in press).
- ❖ J Wang*, Yu X*, et al, Jin J# **Wang GG#**. *Nature Cell Biology* (2022)
- ❖ Ahn JH, et al, Phanstiel DH#, **Wang GG#**. *Nature* (2021)
- ❖ Fan H*, Lu J*, et al, Song J#, **Wang GG#**. *Nature Genetics* (2020)
- ❖ Zhang Z*, Lu R*, et al, **Wang GG#**, Song J#. *Nature* (2018)
- ❖ Cai L, et al, Earp HS, **Wang GG#**. *Mol Cell* (2018)
- ❖ Lu R, et al, Zheng D#, **Wang GG#**. *Cancer Cell*. (2016).
- ❖ Cai L*, Rothbart SB*, et al, Song J#, **Wang GG#**. *Mol Cell* (2013)

A full list of peer-review publications-

(Reverse chronological order; #, (co-)correspondence; *, co-first authors)

1. Shuai Z, ... **Wang GG. #**. *Nature* 2023 (in press).
2. Dardis GJ, Wang J, Simon JM, **Wang GG**, Baldwin AS. An EZH2-NF- κ B regulatory axis drives expression of pro-oncogenic gene signatures in triple negative breast cancer. *iScience*. 2023 Jun 14;26(7):107115. doi: 10.1016/j.isci.2023.107115. eCollection 2023 Jul 21. PMID: 37416481.
3. Xu C, Kim A, Corbin JM, **Wang GG**. Onco-condensates: formation, multi-component organization, and biological functions. *Trends Cancer*. 2023. doi: 10.1016/j.trecan.2023.05.006. PMID: 37349246
4. Hanley RP, Nie DY, Tabor JR, Li F, Sobh A, Xu C, Barker NK, Dilworth D, Hajian T, Gibson E, Szewczyk MM, Brown PJ, Barsyte-Lovejoy D, Herring LE, **Wang GG**, Licht JD, Vedadi M, Arrowsmith CH, James LI. Discovery of a Potent and Selective Targeted NSD2 Degrader for the Reduction of H3K36me2. *J Am Chem Soc*. 2023 Apr 12;145(14):8176-8188. doi: 10.1021/jacs.3c01421. Epub 2023 Mar 28. PMID: 36976643
5. Cai L#, **Wang GG#**. Through the lens of phase separation: intrinsically unstructured protein and chromatin looping. *Nucleus*. 2023;14(1):2179766. PMID: 36821650. PMCID: PMC9980480
6. Yu X#*, Wang J*, Gong W, Ma A, Shen Y, Zhang C, Liu X, Cai L, Liu J, **Wang GG#**, Jin J#. Dissecting and targeting noncanonical functions of EZH2 in multiple myeloma via an EZH2 degrader. *Oncogene*. 2023 Feb 7. doi: 10.1038/s41388-023-02618-5. Online ahead of print. PMID: 36747009
7. Park KS, Qin L, Kabir M, Luo K, Dale B, Zhong Y, Kim A, **Wang GG**, Kaniskan HÜ, Jin J. Targeted Degradation of PRC1 Components, BMI1 and RING1B, via a Novel Protein Complex Degradation Strategy. *Advanced Science*. 2023 Feb 3:e2205573. doi: 10.1002/advs.202205573. Online ahead of print. PMID: 36737841
8. Franklin DA, Liu S, Jin A, Cui P, Guo Z, Arend KC, Moorman NJ, He S, **Wang GG**, Wan YY, Zhang Y. Ribosomal protein RPL11 haploinsufficiency causes anemia in mice via activation of the RP-MDM2-p53 pathway. *J Biol Chem*. 2023 Jan;299(1):102739. Epub 2022 Nov 23. PMID: 36435197 PMCID:

9. Liu X*, Wang J*, Boyer JA, Gong W, Zhao S, Xie L, Wu Q, Zhang C, Jain K, Guo Y, Rodriguez J, Li M, Uryu H, Liao C, Hu L, Zhou J, Shi X, Tsai Y, Yan Q, Luo W, Chen X, Strahl BD, von Kriegsheim A, Zhang Q, **Wang GG**^ξ, Baldwin1 AS^ξ, Zhang Q^{#ξ}. Histone H3 proline 16 hydroxylation regulates mammalian gene expression. **Nat Genetics**. 2022 Nov;54(11):1721-1735. Epub 2022 Nov 8. PMID: 36347944 PMCID: PMC9674084 DOI: 10.1038/s41588-022-01212-x. ^ξ, joint supervision
10. Wang J*, Park KS*, Yu X, Gong W, Earp HS, **Wang GG**[#], Jin J#, Cai L#. A cryptic transactivation domain of EZH2 binds AR and AR's splice variant, promoting oncogene activation and tumorous transformation. **Nucleic Acids Res**. 2022 Oct 28;50(19):10929-10946. PMID: 36300627 PMCID: PMC9638897 DOI: 10.1093/nar/gkac861
11. Guo Y#, **Wang GG**[#]. Modulation of the high-order chromatin structure by Polycomb complexes. **Front Cell Dev Biol**. 2022 Oct 5;10:1021658. doi: 10.3389/fcell.2022.1021658. PMID: 36274840. PMCID: PMC9579376
12. Meng F*, Xu C*, Park KS, Kaniskan HÜ[#], **Wang GG**[#], Jin J#. Discovery of a First-in-Class Degradator for Nuclear Receptor Binding SET Domain Protein 2 (NSD2) and Ikaros/Aiolos. **J Med Chem**. 2022 Aug 11;65(15):10611-10625. Epub 2022 Jul 27. PMID: 35895319 PMCID: PMC9378504 DOI: 10.1021/acs.jmedchem.2c00807.
13. Gao L*, Guo Y*, Biswal M, Lu J, Yin J, Fang J, Chen X, Shao Z, Huang M, Wang Y, **Wang GG**[#], Song J#. Structure of DNMT3B homo-oligomer reveals vulnerability to impairment by ICF mutations. **Nat Commun**. 2022 Jul 22;13(1):4249. PMID: 35869095 PMCID: PMC9307851 DOI: 10.1038/s41467-022-31933-w
14. Herek TA, Bouska A, Lone WG, Sharma S, Amador C, Heavican-Foral TB, Li Y, Wei Q, Jochum D, Greiner TC, Smith LM, Pileri SA, Feldman A, Rosenwald A, Ott G, Lim ST, Ong CK, Song JY, Jaffe ES, **Wang GG**[#], Staudt LM, Rimsza LM, Vose J, d'Amore F, Weisenburger DD, Chan WC, Iqbal J. DNMT3A mutations define a unique biological and prognostic subgroup associated with cytotoxic T-cells in PTCL-NOS. **Blood**. 2022 Sep 15;140(11):1278-1290. doi: 10.1182/blood.2021015019. PMID: 35639959 PMCID: PMC9479030
15. Li D*, Yu X*, Kottur J, Gong W, Zhang Z, Storey AJ, Tsai YH, Uryu H, Shen Y, Byrum SD, Edmondson RD, Mackintosh SG, Cai L, Liu Z, Aggarwal AK, Tackett AJ, Liu J, Jin J#, **Wang GG**[#]. Discovery of a dual WDR5 and Ikaros PROTAC degrader as an anti-cancer therapeutic. **Oncogene**. 2022 Jun;41(24):3328-3340. Epub 2022 May 7. PMID: 35525905 PMCID: PMC9189076 DOI: 10.1038/s41388-022-02340-8
16. Quiroga IY*, Ahn JH*, **Wang GG**[#], Phanstiel DH#. Oncogenic fusion proteins and their role in three-dimensional chromatin structure, phase separation, and cancer. **Curr Opin Genet Dev**. 2022

Jun;74:101901. PMID: 35427897 PMCID: PMC9156545. DOI: 10.1016/j.gde.2022.101901. Epub 2022 Apr 12.

17. Wang J*, Yu X*, Gong W, Liu X, Park KS, Ma A, Tsai YH, Shen Y, Onikubo T, Pi WC, Allison DF, Liu J, Chen WY, Cai L, Roeder RG, Jin J# and **Wang GG#**. EZH2 noncanonically binds cMyc and p300 through a cryptic transactivation domain to mediate gene activation and promote oncogenesis. **Nature Cell Biol.** 2022 Mar;24(3):384-399. Epub 2022 Feb 24. PMID: 35210568 PMCID: PMC9710513 DOI: 10.1038/s41556-022-00850-x.
18. Ren Z*, Kim A*, Huang YH, Pi CH, Gong W, Yu X, Qi J, Jin J, Cai L, Roeder RG#, Chen WY#, **Wang GG#**. A PRC2-Kdm5b axis sustains tumorigenicity of acute myeloid leukemia. **Proc Natl Acad Sci.** 2022 Mar 1;119(9):e2122940119. PMID: 35217626 PMCID: PMC8892512 DOI: 10.1073/pnas.2122940119. With the News and Views at [PNAS](#) (2022) "*Awakening KDM5B to defeat leukemia*".
19. Phanstiel DH#, **Wang GG#**. Cell type-specific chromatin topology and gene regulation. **Trends Genet.** Trends Genet . 2022 May;38(5):413-415. doi: 10.1016/j.tig.2022.02.008. Epub 2022 Feb 24. PMID: 35221113
20. Spangler CJ*, Yadav SP*, Li D*, Geil CN, Smith CB, **Wang GG#**, Lee T#, and McGinty RK#. DOT1L activity in leukemia cells requires interaction with ubiquitylated H2B that promotes productive nucleosome binding. **Cell Reports** 2022 Feb 15;38(7):110369. PMID: 35172132 PMCID: PMC8919193 DOI: 10.1016/j.celrep.2022.110369.
21. Xu C*, Meng F*, Park KS, Storey AJ, Gong W, Tsai YH, Gibson E, Byrum SD, Li D, Edmondson RD, Mackintosh SG, Vedadi M, Cai L, Tackett AJ, Kaniskan HÜ#, Jin J#, **Wang GG#**. A NSD3-targeted PROTAC suppresses NSD3 and cMyc oncogenic nodes in cancer cells. **Cell Chem Biol.** 2022 Mar 17;29(3):386-397.e9. doi: 10.1016/j.chembiol.2021.08.004. Epub 2021 Aug 31. PMID: 34469831 PMCID: PMC8882712.

With the New and Views at Cell Chemical Biology (2022) "*Degradation of NSD3: What to Myc of it all?*"
22. Suh JL, Bsteh D, Hart B, Si Y, Weaver TM, Pribitzer C, Lau R, Soni S, Ogana H, Rectenwald JM, Norris JL, Cholensky SH, Sagum C, Umana JD, Li D, Hardy B, Bedford MT, Mumenthaler SM, Lenz HJ, Kim YM, **Wang GG**, Pearce KH, James LI, Kireev DB, Musselman CA, Frye SV#, Bell O#. Reprogramming CBX8-PRC1 function with a positive allosteric modulator. **Cell Chem Biol.** 2022 Apr 21;29(4):555-571.e11. Epub 2021 Oct 28. PMID: 34715055 PMCID: PMC9035045 DOI: 10.1016/j.chembiol.2021.10.003
23. Yu X*, Li D*, Kottur J*, Shen Y, Kim HS, Park KS, Tsai YH, Gong W, Wang J, Suzuki K, Parker J, Herring L, Kaniskan HU, Cai L, Jain R, Liu J, Aggarwal AK, **Wang GG#**, Jin J#. A selective WDR5 degrader inhibits acute myeloid leukemia in patient derived mouse models. **Science Translational Medicine** 2021 Sep 29;13(613):eabj1578. Epub 2021 Sep 29. PMID: 34586829 PMCID: PMC8500670 DOI: 10.1126/scitranslmed.abj1578.
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- Facilitates SMAD3 Autoregulation to Repress Cancer Progression in p53-deficient Lung Cancer. **Cell Death & Disease**. 2021 Sep 27;12(10):880. PMID: 34580281 PMCID: PMC8476631 DOI: 10.1038/s41419-021-04176-8
25. Wei J, Meng F, Park KS, Yim H, Velez J, Kumar P, Wang L, Xie L, Chen H, Shen Y, Teichman E, Li D, **Wang GG**, Chen X, Kaniskan HÜ, Jin J. Harnessing the E3 Ligase KEAP1 for Targeted Protein Degradation. **J Am Chem Soc**. 2021 Sep 22;143(37):15073-15083. Epub 2021 Sep 14. PMID: 34520194 PMCID: PMC8480205 DOI: 10.1021/jacs.1c04841
26. Kim A, **Wang GG**. R-loop and its functions at the regulatory interfaces between transcription and (epi)genome. **Biochim Biophys Acta Gene Regul Mech**. 2021 Nov-Dec;1864(11-12):194750. PMID: 34461314 PMCID: PMC8627470 DOI: 10.1016/j.bbagr.2021.194750
27. Ahn JH, Davis ES, Daugird TA, Zhao S, Quiroga IY, Uryu H, Li J, Storey AJ, Tsai YH, Keeley DP, Mackintosh SG, Edmondson RD, Byrum SD, Cai L, Tackett AJ, Zheng D, Legant WR, Phanstiel DH#, **Wang GG**#. Phase separation drives aberrant chromatin looping and cancer development. **Nature** 2021 Jul;595(7868):591-595. Epub 2021 Jun 23. PMID: 34163069 PMCID: PMC8647409 DOI: 10.1038/s41586-021-03662-5.
With the News and Views at Nat Rev Genet. 2021 Jul 9 “*Fusion proteins form onco-condensates*” & *News and Views at Nat Struct Mol Biol. 2021 Jul;28(7):543-545 “*Oncogenesis by phase separation*”
28. Zhao S, Allis CD and **Wang GG**. The language of chromatin modification in human cancers. **Nat Rev Cancer**. 2021 Jul;21(7):413-430. Epub 2021 May 17. PMID: 34002060 DOI: 10.1038/s41568-021-00357-x. With Editor’s cover illustration
29. Xu C, Tsai YH, Galbo PM, Gong W, Storey AJ, Xu Y, Byrum SD, Xu L, Whang YE, Parker JS, Mackintosh SG, Edmondson RD, Tackett AJ, Huang J, Zheng D, Earp HS, **Wang GG**#, Cai L#. Cistrome analysis of YY1 uncovers a regulatory axis of YY1:BRD2/4-PFKP during tumorigenesis of advanced prostate cancer. **Nucleic Acids Res**. 2021 May 21;49(9):4971-4988. PMID: 33849067 PMCID: PMC8136773 DOI: 10.1093/nar/gkab252
30. Fan H*, Guo Y*, Tsai YH, Storey AJ, Gong W, Mackintosh SG, Edmondson RG, Byrum SD, Tackett AJ, Cai L, **Wang GG**. A conserved BAH module within mammalian BAHD1 connects H3K27me3 to Polycomb gene silencing. **Nucleic Acids Res**. 2021 May 7;49(8):4441-4455. PMID: 33823544 PMCID: PMC8096256 DOI: 10.1093/nar/gkab210
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34. Fan H*, Lu J*, Guo Y, Li D, Zhang ZM, Tsai YH, Pi WC, Ahn JH, Gong W, Xiang Y, Allison DF, Geng H, He S, Diao Y, Chen WY, Strahl BD, Cai L, Song J#, **Wang GG#**. BAHCC1 binds H3K27me3 via a conserved BAH module to mediate gene silencing and oncogenesis. **Nature Genetics** 2020 Dec;52(12):1384-1396. Epub 2020 Nov 2. PMID: 33139953 PMCID: PMC8330957 DOI: 10.1038/s41588-020-00729-3.
35. Wang J, **Wang GG**. No Easy Way Out for EZH2: Its Pleiotropic, Noncanonical Effects on Gene Regulation and Cellular Function. **Int J Mol Sci.** 2020 Dec 14;21(24):9501. PMID: 33327550 PMCID: PMC7765048 DOI: 10.3390/ijms21249501.
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H. Seminars & speeches (in reverse chronological order)

INVITED PRESENTATIONS - INTERNATIONAL & NATIONAL

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|---------------|---|
| 7/28-8/1/2024 | Invited Speech, FASEB Conference on "The Biological Methylation: Fundamental Mechanisms in Human Health and Disease" (organizers: Drs. Clare Davies at University of Birmingham & Kai Ge at NIH), Porto, Portugal |
| 2/1-3/2024 | Invited Speech, T- Cell Lymphoma Forum 2024 (organizers: Dr. Francine Foss, Dr. Won-Seog Kim. and Dr. Owen O'Connor), Hilton Torrey Pines, La Jolla, California, USA |
| 11/5-10/2023 | Invited Speech, the 2023 EpiCypher Conference on Biological and Clinical Frontiers in Epigenetics (organizers: Drs. Mark Bedford, Or Gozani and Brian Strahl), Cancun, Mexico |
| 10/21-25/2023 | Invited Speech, the 2023 American Society of Investigative Pathology (ASIP) annual meeting, workshop "Transcription Regulation by Phase Separation in Cancer", Salt Lake City, Utah, USA |
| 9/28-30/2023 | Invited Speech, Tsuruoka Conference 2023 on "Epigenetic/transcriptional factors in cancer" (organizers: Dr. Akihiko Yokoyama), National Cancer Center Japan, Tsuruoka, Yamagata, Japan |
| 8/18/2023 | Invited Speech (virtual), the Association of Chinese Americans in Cancer Research (ACACR) summer seminar series |
| 7/15-18/2023 | Invited Speaker, the 10th International 3D Genome Conference, Hangzhou, China |
| 6/11-16/2023 | Invited Speech, the 2023 Gordon Research Conference on DNA & Histone Modifications in Health and Disease (organizers: Drs. Tatiana Kutateladze & Tom Muir), Smithfield, RI, USA |
| 10/21-23/2022 | Invited Speech, European School of Hematology (ESH)'s 24th John Goldman E-Conference on CML: Biology and Therapy, session on 3D Genomics and nuclear |

organization (organizers: Drs. Jerald Radich and Michael W. Deininger), Mandelieu-La Napoule, France

8/9/2022 Invited speech (zoom) as Awardee of the ASBMB Young Investigator, the 2022 American Society for Biochemistry and Molecular Biology (ASBMB)

8/5/2022 University of Cambridge Cancer Epigenetics Club (CCEC) monthly seminar series (virtual; organizers: Dr Shuchi Agrawal Singh, Professor Brian Huntly, Professor Wolf Reik), UK

8/1-3/2022 Invited speech, the Van Andel Institute Epigenetics Symposium on the “20(+2) Years of the Histone Code”, Van Andel Institute, Grand Rapids, MI, USA

7/12-16/2022 Invited Talk, 2022 Telluride Symposium on Epigenetic Mechanisms (organizers: Drs. Joshua Black and Tanya Kutateladze), Telluride, CO, USA

4/2-5/2022 Invited speaker as Awardee of the ASBMB Young Investigator, the 2022 American Society for Biochemistry and Molecular Biology (ASBMB) annual meeting, Philadelphia, PA, USA

11/7-12/2021 Invited speaker & session chair, the 2021 EpiCypher Conference on Biological and Clinical Frontiers in Epigenetics (organizers: Drs. Mark Bedford, Or Gozani and Brian Strahl), Tampa/Clearwater Beach, FL, USA

11/4-6/2021 Invited Speech, the 5th International Conference on Epigenetics and Bioengineering (EpiBio 2021; organizers: Drs. Paola Arimondo, Karmella Haynes and Albert Keung), Raleigh, North Carolina, USA (virtual)

10/8-11/2021 Invited Speech, European School of Hematology (ESH)’s 23rd John Goldman E-Conference on CML: Biology and Therapy, Workshop on Advances in Epigenetics (organizers: Drs. Ravi Bhatia, Jerald Radich and Michael W. Deininger), Mandelieu-La Napoule, France (virtual)

10/31/2020 Invited Speech, 7th International Conference in Laboratory Medicine organized by Wenzhou Medical University (organizer: Dr. Chun-ming Ding), Wenzhou, China (virtual)

7/8-12/2019 Invited Talk, 2019 Telluride Symposium on Epigenetic Mechanisms (organizers: Drs. Joshua Black and Tanya Kutateladze), Telluride, CO, USA

4/28-29/2019 Talk (as symposium co-organizer), 43rd Annual Lineberger Symposium on Dysregulated Signaling Pathways in Cancer (organizers: Drs. Albert Baldwin, Qing Zhang, Yue Xiong and Greg Wang), Chapel Hill, NC, USA

11/7/2018 Invited Talk, the 2018 EpiCypher Conference on Biological and Clinical Frontiers in Epigenetics (organizers: Drs. Mark Bedford, Or Gozani and Brian Strahl), Nassau, Bahamas

6/20/2018 Invited Talk, the 2018 FASEB Conference on Biological Methylation: Fundamental Mechanisms in Human Health and Disease (organizers: Drs. Maria Elena Torres-Padilla and Xiaobing Shi), Florence, Italy

5/7/2018 Invited Talk (Lightning round), the 12th International Workshop on “Molecular Aspects of Myeloid Stem Cell Development and Leukemia” (organizer: Dr. Lee Grimes), Cincinnati, OH, USA

4/23/2017 Invited Talk (Spotlight Session), the 17th Annual Meeting of the American Society for Biochemistry and Molecular Biology (ASBMB), Chicago, IL, USA

11/15/2016 Invited Talk, the 7th Annual Medical Symposium of Gabrielle's Angel Foundation for Cancer Research, New York City, NY, USA

4/21-22/2016 Invited Talk (as symposium organizer), the 2016 EpiCypher Conference on Biological and Clinical Frontiers in Epigenetics (organizers: Drs. Mark Bedford, Or Gozani and Brian Strahl), San Juan, Puerto Rico

2/9-10/2015 Invited Talk, the 2015 Workshop on Epigenetic Inhibitors-Target Validation through Chemical Biology, Toronto, Canada

7/6-11/2014 Invited Talk, the 2014 FASEB conference on Biological Methylation: regulation of chromatin, epigenetics and disease (organizers: Drs. Tatiana G Kutateladze and Or Gozani), Nassau, Bahamas

4/21-22/2014 Invited Talk, the 38th Annual Lineberger Symposium on Epigenetics and Cancer (organizers: Drs. Brian Strahl, Ian Davis, and Greg Wang), Chapel Hill, NC, USA

9/23-25/2013 Invited Talk, the 2nd Annual Conference on Targeting Histone Methyltransferases, Boston, MA, USA

9/26/2011 Invited Talk, Annual symposium of Starr Foundation Cancer Consortium, Cold Spring Harbor, NY, USA

6/16/2009 Talk Selected from Abstracts, the 2009 FASEB Conference on "Epigenetics, Chromatin and Transcription", Snowmass, CO, USA

1/6/2008 Invited Talk, the 2nd Genetic Society of America (GSA) Meeting on Model Organisms & Human Biology, San Diego, CA, USA

12/12/2005 Talk Selected from Abstracts, the 47th Annual Meeting of the American Society of Hematology (ASH), Atlanta, GA, USA

INVITED PRESENTATIONS - REGIONAL AND OTHER INVITED PRESENTATIONS

Spring/2024 Invited Seminar, UAB Stem Cell Program Seminar Series, Division of Hematology/Oncology, O'Neal Comprehensive Cancer Center and Heersink School of Medicine, University of Alabama at Birmingham (UAB), Birmingham, AL

9/17/2024 Invited Seminar, UCSF Department of Biochemistry and Biophysics and Tetrad Graduate Program Basic Science Seminar series, University of California, San Francisco, CA

3/29/2024 Invited Seminar, The University of Florida (UF) Health Cancer Center Topics in Cancer seminar series, UF Health Cancer Center, Gainesville, FL

11/2/2023 Invited Seminar, Cancer Genetics and Genomics Seminar (CGGS) Series, Roswell Park Comprehensive Cancer Center, Buffalo, NY

9/18/2023 Invited Seminar, Department of Biochemistry and Molecular Biology, McGovern Medical School, University of Texas Health Science Center Houston, Houston, TX

9/9/2023 Invited Talk, Annual Retreat in Pharmacology and Cancer Biology, Duke Pharmacology and Cancer Biology (PCB) Dept. & PHARM and MCB programs, Wrightsville Beach, NC

8/14/2023 Talk, Prostate Cancer Research Group Retreat, Duke University, Durham, NC

8/10/2023 Talk, Head & Neck Cancer Research Group Retreat, Duke University, Durham, NC

6/7/2023 Invited Seminar, Dept of Pharmacology and Cancer Biology (PCB), Duke University, Durham, NC

5/22/2023 Invited Seminar, Department of Pathology, University of California San Diego (UCSD), La Jolla, CA

5/5/2023 Invited Seminar, A*STAR and National University of Singapore, Singapore (zoom)

5/1/2023 Invited Seminar, Yale Stem Cell Center & the DeLuca Center for Innovation in Hematology Special Seminar Series, Yale University, New Haven, CT

3/17/2023 Invited Seminar, Hematological Malignancies & Cellular Therapy (HMCT) Division, Duke University, Durham, NC (virtual)

1/18/2023 Invited Seminar, NIH Transcription Interest Group, NIH, Bethesda, MD (virtual)

12/1/2022 Invited Seminar, Department of Epigenetics and Molecular Carcinogenesis, The University of Texas MD Anderson Cancer Center, Houston, TX

11/21/2022 Invited Seminar, Gene Regulation and Genomics (GRG) Seminar Series, Ida Green Center for Reproductive Biology Sciences, The University of Texas Southwestern Medical Center (UTSW), Dallas, TX

10/18/2022 Invited Seminar, Human Oncology and Pathogenesis Program (HOPP), Memorial Sloan Kettering Cancer Center (MSKCC), NY, NY

9/12/2022 Invited Seminar, Department of Biochemistry and Molecular Biology, Indiana University School of Medicine, Indianapolis, IN

9/8/2022 Invited speech, annual scientific retreat of University California-Irvine (UCI) Chao Family Comprehensive Cancer Center, Lake Arrowhead, CA

8/25/2022 Invited Seminar, Duke Cancer Institute (DCI), Duke University, Durham, NC

6/7/2022 Invited Lecture Series of Theodor-Boveri-Institut, the Comprehensive Cancer Center (CCC) Mainfranken, University of Würzburg, Würzburg, Germany (virtual)

5/13/2022 Invited Seminar, Department of Molecular, Cellular & Developmental Biology (MCDB) University of California Santa Barbara (UCSB), Santa Barbara, CA

5/12/2022 1st ASHIL Conference of Care4ASHIL foundation (virtual)

5/10/2022 Invited Seminar, AstraZeneca, Oncology R&D, Waltham, MA (virtual)

4/27/2022 Invited Seminar, Committee on Cancer Biology Seminars series, University of Chicago, Chicago, IL

3/1/2022 Invited Retreat Seminar, the combined Programs in Cell Biology and Molecular Therapeutics, UNC Lineberger Cancer Center, Chapel Hill, NC

2/9/2022 Invited Seminar, Center of Epigenetics and Metabolism, Department of Biological Chemistry, University of California Irvine (UCI), Irvine, CA (virtual)

2/4/2022 Invited Seminar (virtual), Dept of Cancer Biology & Comprehensive Cancer Center at Wake Forest Baptist Medical Center, Wake Forest University, Winston-Salem, NC

12/7/2021 Invited Seminar, New York Cancer Genomics Research Network Meeting series (host: Dr. Harold Varmus), Weill Cornell College of Medicine, New York, NY (virtual)

11/29/2021 Invited Seminar, University of Oxford, MRC Weatherall Institute of Molecular Medicine (WIMM) and John Radcliffe Hospital, Oxford, UK (virtual)

11/16/2021 Invited Seminar, Cancer Research UK Manchester Institute & University of Manchester, Alderly Park, UK (virtual)

10/26/2021 Invited Seminar, Dept. of Biochemistry, University of California Riverside (UCR), Riverside, CA (virtual)

10/19/2021 Invited Seminar, Genetics Branch, NCI/NIH, Bethesda, MD (virtual)

9/22/2021 Invited Seminar, Van Andel Institute, Grand Rapids, MI (virtual)

9/13/2021 Invited Seminar, Dept. of Biochemistry and Molecular Biology, University of Miami (UM) Miller School of Medicine, Miami, FL (virtual)

7/29/2021 Invited Seminar, Sylvester Comprehensive Cancer Center, University of Miami (UM) Miller School of Medicine, Miami, FL (virtual)

3/24/2021 Seminar, Dept. of Biochemistry & Biophysics and Dept. of Pharmacology, UNC, Chapel Hill, NC

3/17/2021 Distinguished Scientists Seminar Series, Dept. of Molecular & Cellular Oncology, M.D. Anderson Cancer Center, Houston, TX (virtual)

3/9/2021 Invited Seminar, Department of Biochemistry, Purdue University, West Lafayette, IN (virtual)

3/3/2021 Invited Seminar, Department of Biomedical Sciences, School of Medicine and Health Sciences, University of North Dakota, Grand Forks, ND (virtual)

12/9/2020 Invited Speech, the 2020 Korea Research Institute of Bioscience and Biotechnology (KRIBB) Annual Conference, Daejeon, Republic of Korea (virtual)

2/14/2020 Award Seminar, the 2019 UNC Yang Biomedicine Scholar Awardees Presentations, UNC School of Medicine, Chapel Hill, NC

11/4/2019 Award Seminar, the 2019 Hettleman Prize Awardees Presentations, UNC's University Research Week, Chapel Hill, NC

5/14/2019 Invited Seminar, Department of Biochemistry and Molecular Medicine & Program in Epigenetics and Regulation, USC Norris Comprehensive Cancer Center, University of Southern California, Los Angeles, CA

5/7/2019 Invited Seminar, Department of Biochemistry, Albert Einstein College of Medicine, Bronx, NY

4/12/2019 Invited Seminar, Distinguished Scholars Seminar Series, Hackensack Meridian Health Center for Discovery and Innovation & HMH Cancer Center, Nutley, NJ

4/1/2019 Invited Seminar, Winthrop P. Rockefeller Cancer Institute and Department of Biochemistry & Molecular Biology, University of Arkansas for Medical Sciences (UAMS), Little Rock, AR

3/7/2019 Interest Group Talk, Carolina Chromatin Consortium (C3), Chapel Hill, NC

2/19/2019 Invited Seminar, Hematologic Malignancies and Cellular Therapies Program, Duke Cancer Institute, Duke University Medical Center, Durham, NC

3/19/2018 Invited Seminar, Laboratory of Chromatin and Gene Expression, NIH/NIEHS, Research Triangle Park, NC

11/13/2017 Invited Seminar, Divisions of Experimental Hematology and Cancer Biology, Cincinnati Children's Hospital Medical Center, Cincinnati, OH

10/10/2017 Annual Retreat Talk, UNC Lineberger Comprehensive Cancer Center, Chapel Hill, NC

6/26/2017 Invited Seminar, Departments of Pharmacological Sciences and Oncological Sciences, Icahn School of Medicine at Mount Sinai, New York City, NY

5/22/2017 Invited Seminar, Cancer Research UK Edinburgh Centre, MRC Centre for Regenerative Medicine & MRC Centre for Reproductive Health, University of Edinburgh, Edinburgh, Scotland, UK

5/15/2017 Invited Seminar Series in Epigenetics, Dept. of Pathology & Yale Cancer Center, Yale Medical School, New Haven, CT

4/12/2017 Invited Seminar, Dept. of Molecular Medicine, University of Texas Health Science Center at San Antonio, San Antonio, TX

12/1/2016 Interest Group Talk, Carolina Chromatin Consortium (C3), Chapel Hill, NC

11/7/2016 Invited Seminar, Dept. of Biochemistry & Molecular Genetics (BMG) Red Banner Seminar Series, University of Alabama at Birmingham (UAB), Birmingham, AL

5/7/2015 Interest Group Talk, Carolina Chromatin Consortium (C3), Chapel Hill, NC

12/1/2014 Annual Retreat Talk, combined Programs in Cell Biology and Molecular Therapeutics, UNC Lineberger Cancer Center, Chapel Hill, NC

6/13/2014 Invited Seminar, Moffitt Cancer Center and University of South Florida (USF), Tampa, FL

2/19/2014 Invited Seminar, Institute of Experimental Cancer Research, University of Ulm, Ulm, Germany

9/16/2013 Invited seminar, Peking-Tsinghua Center for Life Sciences, Peking University, Beijing, China

11/8/2012 Invited Seminar, Section on Chromatin and Gene Expression, National Institute of Environmental Health Sciences (NIEHS), Research Triangle Park, NC

10/28/2012 Annual Retreat Talk, UNC Dept. of Biochemistry & Biophysics, Wilmington, NC

10/23/2012 Invited Seminar, Dept. of Environmental and Molecular Toxicology, North Carolina State University, Raleigh, NC

6/14/2011 Invited Seminar, Dept. of Biochemistry & Molecular Medicine, University of California at Davis School of Medicine, Sacramento, CA

4/6/2011 Invited Seminar, Division of Hematology & Oncology, Children's Hospital Boston, Boston, MA

3/3/2011 Invited Seminar, Lineberger Comprehensive Cancer Center, University of North Carolina at Chapel Hill, Chapel Hill, NC

2/22/2011 Invited Seminar, Dept. of Molecular & Cellular Biology, UC Berkeley, CA

2/14/2011 Invited Seminar, Dept. of Pharmacology & Cancer Biology, Duke University, Durham, NC

2/8/2011 Invited Seminar, Dept. of Biological Chemistry, University of Michigan at Ann Arbor, MI

1/27/2011	Invited Seminar, Skirball Institute, Developmental Genetics Program, New York University, NY
1/24/2011	Invited Seminar, Cancer Biology & Genetics Program, Memorial Sloan-Kettering Cancer Center, NY, NY
1/19/2011	Invited Seminar, Department of Molecular Biology and Green Center of Reproductive Biology, UT Southwestern Medical Center, Dallas, TX
1/11/2011	Invited Seminar, Dept. of Developmental Biology, Washington University, St Louis, MO
12/6/2010	Invited Seminar, Dept. of Cell Biology & Anatomy, University of California at Davis, Davis, CA
11/18/2010	Invited Seminar, Dept. of Biomolecular Chemistry and Wisconsin Institute for Discovery, University of Wisconsin-Madison, Madison, WI
11/9/2010	Invited Seminar, Dept. of Molecular & Cellular Oncology, M.D. Anderson Cancer Center, Houston, TX
9/29/2010	Invited Seminar, Dept. of Therapeutic Radiology, Yale School of Medicine, New Haven, CT
9/16/2010	Invited Seminar, Ontario Cancer Institute & University of Toronto, Toronto, Canada
2/19/2010	Invited Seminar, Wells Center for Pediatric Research, Indiana University-Purdue University at Indianapolis (IUPUI) School of Medicine, Indianapolis, IN

I. Memberships

2008 - present	American Society of Biochemistry & Molecular Biology (ASBMB)
2007 - present	American Association of Cancer Research (AACR)
2003 - present	American Society of Hematology (ASH)

J. Services

Grant review panel

2019 - present	Regular member, NIH Cancer Molecular Pathobiology (CAMP) study section
2016 - 2020	Regular member, American Cancer Society (ACS) Peer Review Committee on DNA Mechanisms in Cancer
2015 - present	<u>Ad hoc review panel for funding agents in USA:</u> NIH Special Emphasis Panel ZRG1 OBT-H (02) M (2019 April); NIH Cancer Molecular Pathobiology (CAMP) study section (2017-2018); UNC's University Cancer Research Fund Stimulus Grants review panel (2016, 2017); NIH Cancer Genetics (CG) study section (2015 Oct)
2011 - present	<u>Ad hoc review panel for funding agents outside of USA:</u> Belgian Foundation against Cancer (2022) Cancer Research Wales, UK (2016) Czech Science Foundation aka "Grantová agentura České republiky – GACR" (2023) European Research Council (ERC) (2013; 2022) Kay Kendall Leukemia Fund, UK (2009) Institut National du Cancer (INCa), France (2018; 2019; 2021; 2022) Israel Science Foundation (2022) Longevity Impetus Grants (2021) Medical Research Council (MRC), UK (2018, 2015) Natural Sciences & Engineering Research Council of Canada, Canada (2017; 2018) National Science Center, Poland (2022)

Swiss National Science Foundation (SNSF) (2021)
Worldwide Cancer Research, UK (2019)

Editorial Board

2022 - present the Journal of Biological Chemistry (the JBC)
2021 - present Acta Materia Medica
2018 – present Cell Stress

Advisory Broad Services

2022 - present Medical & Scientific Advisory Broad (MSAB), Care4ASH1L foundation

Symposium organizer

April 28-30, 2019 Conference co-organizer, the 43rd Annual Lineberger Symposium on “Dysregulated Signaling Pathways in Cancer: Insights into Novel Mechanisms and Therapeutic Approaches”, Chapel Hill, NC
Feb 16, 2018 Symposium co-organizer, Abcam Symposium on “Epigenetics, Chromatin Structure and Epi-transcriptomics”, research triangle park (RTP), NC
Sept 14, 2015 Symposium co-organizer, Abcam Symposium on “The Epigenetics in development, aging and disease”, Chapel Hill, NC
April 28-30, 2014 Conference co-organizer, The 38th Annual Lineberger Symposium on “Epigenetics and Cancer”, Chapel Hill, NC

Services to professional publications

Ad hoc referee for peer-reviewed manuscripts:

ACS Chemical Biology, Biochemistry, Blood, British Journal of Cancer, Cancer Discovery, Cancer Research, Cell, Cell Chemical Biology, Cell Reports, Cell Research, Current Biology, EMBO, eLife, Genome Biology, Haematologica, JBC, Journal of Cell Biology, Journal of Clinical Investigation, Leukemia, Molecular Cell, Nature, Nature Cell Biology, Nature Chemical Biology, Nature Communications, Nucleic Acid Research, PLOS Biology, PLOS Genetics, PNAS, Science, Science Advances, Scientific Reports, Structure

Services to School

Duke

Dept. of Pharmacology & Cancer Biology: Faculty Recruitment Committee (2023-24)

UNC at Chapel Hill:

1. UNC Campus:
School of Medicine Conflict of Interest Committee (SOM COIC; 2019- 2023)
Admissions Committee, Biological and Biomedical Sciences Program (BBSP) (2012-16)
2. Lineberger Comprehensive Cancer Center:
Overall Strategic Planning Committee (2018)
3. Dept. of Biochemistry and Biophysics:
Committee of PHD qualifying comprehensive examination (2014; 2015; 2021);
Organizer, faculty roundtable (2015 - present);
Co-chair, committee of annual retreat (2016; 2017);

K. Teaching activities

2019 - 2022 Cancer Epigenetics Training Program (CETP) Colloquium; 1 lecture on cancer epigenetics

2018 - 2022 Biochemistry 702: Advanced Topics on Chromatin and Epigenetics; 1 lecture on cancer epigenetics or chromatin

2017 - 2022 Pathology 725: Cancer Pathobiology; 1 lecture on cancer epigenetics or chromatin

2013 - 2022 Biochemistry 706: Biochemistry of Human Disease; 1 lecture and 1 discussion session on cancer unit

2018 - 2020 BBSP 902: Faculty Co-mentor for 1st-year Graduate Students; Meet twice monthly, 2 hrs per mtg

2016 - 2019 Biochemistry 107: Introduction to Biochemistry; 5 lectures and 1 review session on molecular biology unit

2016 - 2019 Biochemistry 108: Introduction to Biochemistry; 5 lectures and 1 review session on molecular biology & gene expression unit

2016 - 2022 MTEC103.MSK (Medical Science Course 3. Musculo-skeletal Block); 1 small group lecture on case conference

2015 - present Mentoring Committee on Junior Faculty:
 Dr. Shenghui He, Assistant Professor (research track) of Genetics, UNC (2019 – present);
 Dr. Motoki Takaku, Assistant Professor (tenure track), Dept. of Biomedical Sciences, University of North Dakota (2019 - present)

2012 - present Informal teaching, serving on Thesis Advisory Committee for PHD students:

Kevin Field (mentor: Dr. Ian Davis Lab; M.D./Ph.D. Student, Medical Scientist Training Program of UNC; Committee Chair, 2023- present)

John Patrick Flores (mentor: Dr. Doug Phanstiel; 2022 – present)

Cole Martin (mentor: Dr. John P. Morris; 2022 – present)

Elshaimaa Ali, Fulbright Scholar of Van Andel Institute (mentor: Dr. Wen Hong; External Thesis Advisor, 2021 – present),

Yani Zhao (mentor: Dr. Nate Hathaway; 2021 – present),

Cyril Anyetei-Anum (mentor: Dr. Daniel McKay; 2019 – present),

Kean Bracerros (mentor: Dr. Mauro Calabrese; Committee Chair, 2019 – 2023),

Md Kabir (mentor: Dr. Jian Jin, Icahn School of Medicine at Mount Sinai; External Thesis Advisor, 2022 – 2023)

Gabrielle Dardis (mentor: Dr. Albert Baldwin; 2019 - 2023),

Michael Kelly (mentor: Dr. Hector Franco; 2019 - 2023),

Tamara Vital (mentor: Dr. Ian Davis; 2017 – 2023),

Dr. Liu Mei, postdoc advisory committee (mentor: Dr. Jean Cook; 2022-2023)

Meng Cheng (mentor: Dr. Albert Baldwin; 2018 - 2022),

Nathaniel Wesley (mentor: Dr. Robert McGinty; 2019 - 2022),

Benjamin Keepers, MD-PhD Candidate (PHD mentor: Li Qian, 2019 - 2022),

Taylor Enrico (mentor: Mike Emanuele, 2019 - 2022),

Cathy J. Anderson (mentor: Dr. Robert McGinty; Chair, 2018 – 2022),

Jibo (Dylan) Zhang (mentor: Dr. Brian Strahl; 2018 – 2021),

Yifei Sun (mentor: Dr. Martin Walsh, Icahn School of Medicine at Mount Sinai; External Thesis Advisor, 2017 –19),

Kathryn M. Headley (mentor: Dr. Nate Hathaway; 2016 - 2019),

Astor Ankney (mentor: Dr. Xian Chen; 2016 - 2019),

Hashem Meriesh (mentor: Dr. Brian Strahl; 2016 - 2019),

Andrew Lerner (mentor: Drs. Brian Kuhlman and Brian Strahl; Chair, 2015 - 2019),

Patricia Vignaux (mentor: Dr. Nate Hathaway; 2015 - 2019),

Lauren Waldron (mentor: Dr. Frank Conlon; 2013 - 2015),

Kyle Konze (mentor: Dr. Jian Jin; 2012 - 2015),

Michael Perfetti (mentor: Dr. Stephen Frye; 2012 - 2015),
Yunus Annayev (mentor: Dr. Aziz Sancar; Committee Chair, 2012 - 2014)