Curriculum Vitae

Brian David Strahl
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Education and Research Experience

2010-present	Faculty Director of the High-Throughput Peptide Synthesis and Arraying Facility, University of North Carolina School of Medicine
2008-present	Associate Professor, Department of Biochemistry and Biophysics, University of North Carolina School of Medicine
2003-present	Member of the UNC Lineberger Comprehensive Cancer Center
2002-2008	Assistant Professor, Department of Biochemistry and Biophysics, University of North Carolina School of Medicine
1998-2002	Postdoctoral Fellow, Department of Biochemistry and Molecular Genetics, University of Virginia. Mentor: Dr. C. David Allis
1993-1998	Ph.D. in Biochemistry. Department of Biochemistry, North Carolina State University. Mentor: Dr. William L. Miller
1988-1993	B.A. in both Chemistry and Biology. University of North Carolina at Greensboro. Mentor: Dr. Julian Lombardi

Honors and Awards

2009	Recipient of the Ruth and Phillip Hettleman Prize for Artistic and Scholarly Achievement, UNC
2008	Recipient of an Exceptional, Unconventional Research Enabling Knowledge Acceleration (EUREKA) award from the NIH
2006	Named as a Jefferson-Pilot Fellow in Academic Medicine, UNC
2006	Recipient of the University of North Carolina at Greensboro Young Alumni Award
2005	Recipient of the North Carolina State University Outstanding Alumnus Award
2005	Recipient of the ASBMB Schering-Plough Research Institute Award for outstanding research contributions to biochemistry and molecular biology
2004	Pew Scholar (Pew Scholars Program in the Biomedical Sciences)
2003	Recipient of a Presidential Early Career Award for Scientists and Engineers (PECASE)

2002	Recipient of a UNC Research Council award
1999-2002	National Institute of Health postdoctoral NRSA fellowship award
1998	Recipient of the Becton-Dickinson award for outstanding research in Biochemistry (from Ph.D. thesis)
1993	Recipient of the American Institute of Chemist Foundation award for being an outstanding senior student majoring in chemistry.
1992	Scholarship award by Special Support Services for outstanding scholarship throughout the year
1992	Member of the ßßß Biology Honors Society

Other Professional Experience

2013-present	Editorial board member of *Epigenetics & Chromatin*
2012	*Ad-hoc* reviewer for the NIH transformative research award initiative (Special Emphasis Panel ZRG1 BCMB-A), NIH
2012	*Ad-hoc* reviewer for the NIH Director's Early Independence Award (Special Emphasis Panel ZRG1 BBBP-E), NIH
2009-present	Editorial board member of *Molecular and Cellular Biology*
2008	*Ad-hoc* reviewer; Fungal Genetics Special Emphasis Panel, NIH
2006	*Ad-hoc* review panel member for NIDA Study Section, NIH
2005	*Ad-hoc* review panel member for MG-C Study Section, NIH

Publications

Undergraduate:

1. **Strahl, B. D.** & Lombardi, J. (1994). Microdetermination of dry mass content in the uterine fluid of four species of viviparous sharks (Squalus acanthias, Carcharhinus plumbeus, Mustelus canis and Rhizoprionodon terraenovae). *Comp. Biochem. Physiol.* **108A**:213-219.

Graduate:

2. Ghosh, B. R., Wu, J. C., **Strahl, B. D.**, Childs, G. V. & Miller, W. L. (1996). Inhibin and estradiol alter gonadotropes differentially in ovine pituitary cultures: changing gonadotrope numbers and calcium responses to gonadotropin-releasing hormone. *Endocrinology* **137**:5144-5154.
3. **Strahl, B. D.**, Huang, H.-J., Pederson, N. R., Wu, J. C., Gosh, B. R. & Miller, W.L. (1997). Two proximal AP-1-binding sites are sufficient to stimulate transcription of the ovine follicle-stimulating hormone-ß gene. *Endocrinology* 138:2621-2631.
4. **Strahl, B. D.**, Huang, H.-J., Sebastian, J., Ghosh, B. R. & Miller, W. L. (1998). Transcriptional activation of the ovine follicle-stimulating hormone ß-subunit gene by GnRH: involvement of two AP-1-binding sites and protein kinase C. *Endocrinology* 139:4455-4465.
5. Huang, H-J., Sebastian J., **Strahl, B. D.**, Wu, J. C. & Miller, W. L. (2001). The promoter for ovine follicle-stimulating hormone-ß gene (FSHß) confers FSHß-like expression on luciferase in transgenic mice: regulatory studies in vivo and in vitro. *Endocrinology* 142:2260-2266.
6. Huang, H-J., Sebastian J., **Strahl, B. D.**, Wu, J. C. & Miller, W. L. (2001). Transcriptional Regulation of the ovine FSH-beta gene by activin and GnRH: Involvement of two proximal AP-1 Sites for GnRH-Stimulation. *Endocrinology* 142:2267-2274.
7. Miller, W. L., Shafiee-Kermani, F., **Strahl B. D.**, Huang, H. J. (2002) The nature of FSH induction by GnRH. *Trends Endocrinol. Metab.* **6**:257-263.

Postdoctoral:

8. **Strahl, B. D.**, Ohba, R., Cook, R. G. & Allis, C. D. (1999). Methylation of histone H3 at lysine 4 is highly conserved and correlates with transcriptionally active nuclei in Tetrahymena. *Proc. Natl. Acad. Sci. USA* **96**:14967-14972.
9. **Strahl, B. D.** & Allis, C. D. (2000). The language of covalent histone modifications. *Nature* **403**:41-45.
10. Rea, S., Eisenhaber, F., O'Carroll, D., **Strahl, B. D.**, Sun, Z-W, Opravil, S., Schmid, M., Mechtler, K., Ponting, C., Allis, C. D. & Jenuwein, T. (2000). Regulation of chromatin structure by site-specific histone H3 methyltransferases. *Nature* **406**:593-599 (*Nature* article).
11. Nakayama, J. -I., Rice J. C., **Strahl, B. D.**, Allis, C. D. & Grewal, S. I. S. (2001) Role of histone H3 lysine 9 methylation in epigenetic control of heterochromatin assembly. *Science* **292**:110-113.
12. **Strahl, B. D.**, Briggs, S. D., Brame, C. J., Caldwell, J. A. Koh, S., Ma, H., Cook, R. G., Shabanowitz, J., Hunt D. F., Stallcup, M. R. & Allis, C. D. (2001) Methylation of histone H4 at arginine 3 occurs in vivo and is mediated by the nuclear receptor coactivator PRMT1. *Current Bio.* **11**:996-1000.
13. Wang, H, Huang, Z. -Q., Xia, l., Feng, Q., Erdjument-Bromage, H., **Strahl, B. D.**, Briggs, S. D. Allis C. D, Wong, J., Tempst, P. & Zhang, Y. (2001) Methylation of histone H4 at arginine 3 facilitates transcriptional activation by nuclear hormone receptor. *Science* **293**:853-857.
14. Briggs, S. D., Bryk, M. **Strahl, B. D.**, Cheung, W. L. Davie, J. K., Dent, Y. R. S., Winston, F. & Allis, C. D. (2001) Histone H3 lysine 4 methylation is mediated by Set1 and required for rDNA silencing in Saccharomyces cerevisiae. *Genes and Dev.* **15**:3286-3295.
15. Bryk, M., Briggs, S. D., **Strahl B. D.**, Curcio, M. J., Allis, C. D. & Winston F. (2002) Set1, a factor required for methylation of histone H3, regulates rDNA silencing in Saccaromyces cervisiae by a Sir2-independent mechanism. *Current Bio.* **12**:165-170.
16. Ma, H., Baumann, C. T., Li, H., **Strahl, B.D.**, Rice, R., Jelinek, M. A., Aswad, D. W., Allis, C. D., Hager, G. L. & Stallcup, M. R. (2001) Hormone-dependent, CARM1-directed, arginine-specific methylation of histone H3 on the mouse mammary tumor virus promoter. *Current Bio.* **11**:1981-1985.
17. **Strahl, B. D.**, Grant, P. A., Briggs, S. D., Bone J. R., Caldwell, J. A., Cook, R. G., Sun, Z.-W., Mollah, S., Shabanowitz, J., Hunt, D. F. & Allis, C. D. (2002) Set2 is a nucleosomal histone H3-selective methyltransferase that mediates transcriptional repression. *Mol. Cell. Biol.* **22**:1298-1306.
18. Li, J., Lin, Q., Yoon, H.-G., **Strahl, B. D.**, Allis, C. D. & Wong, J. (2002) Involvement of histone methylation and phoshporylation in regulation of transcription by thyroid hormone receptor. *Mol. Cell. Biol.* **22**:5688-5697.

UNC-CH:

19. Briggs, S. B. & **Strahl, B. D.** (2002) Unraveling heterochromatin. *Nature Genet.,* **30**:241-242.
20. Briggs, S. B., Xiao, T., Sun, Z.-W., Caldwell, J. A., Shabanowitz, J., Hunt, D. F., Allis, C. D. & **Strahl, B. D.** (2002) *Trans*-histone regulatory pathway in chromatin. *Nature*, **418**:498.
21. Xiao, T., Hall, H., Kizer, K. O., Shibata, Y., Hall, M. C., Borchers, C. H. & **Strahl, B. D.** (2003) Phosphorylation of RNA polymerase II CTD regulates H3 methylation in yeast. *Genes & Dev.* **17**:654-663.
22. Anest, V., Hanson J. L., Cogswell P. C., Steinbrecher K. A., **Strahl B. D.**, & Baldwin A. S. (2003) A nucleosomal function for IκB kinase-β in NF-κB-dependent gene expression. *Nature*, **423**:659-663.

23. Lee, C.-K., Shibata, Y., Rao, B., **Strahl, B. D.** & Lieb, J. D. (2004) Evidence for Nucleosome Depletion at Active Regulatory Regions Genomewide. *Nature Genet.*, **36**:900-905.
24. Lee, D. Y., Teyssier, C., **Strahl, B. D.** & Stallcup, M. R. (2005) Role of Protein Methylation in Regulation of Transcription. *Endocrine Reviews* **26**:147-170.
25. Xiao, T. Kao, C. F., Krogan, N., Sun, Z.-W., Greenblatt, J. F., Osley, M. A., & **Strahl, B. D.** (2005) Histone H2B ubiquitylation is associated with elongating RNA polymerase II. *Mol Cell Biol.* **25**:637-651.
26. Kizer, O. K., Phatnani, H. P., Shibata, Y., Hall, H., Greenleaf, A. L. & **Strahl, B. D.** (2005) A novel domain in Set2 mediates RNA polymerase II interaction and couples histone H3 K36 methylation with transcription elongation. *Mol Cell Biol.* **25**:3305-3316.
27. Adhvaryu, K. K., Morris, S., **Strahl, B. D.** & Selker, E.U. (2005) Methylation of histone H3 lysine 36 is required for normal development in *Neurospora crassa*. *Eukaryot Cell.* **4**:1455-1464.
28. Morris, S. A., Shibata, Y., Noma, K.-I., Tsukamoto, Y., Warren, E., Temple, B., Grewal, S. I. S. & **Strahl, B. D.** (2005) Histone H3 K36 methylation is associated with transcription elongation in *Schizosaccharomyces pombe*. *Eukaryot Cell.* **4**:1446-1454.
29. Laribee, R. N., Krogan, J. N., Xiao, T., Shibata, Y., Hughes, T. R., Greenblatt, J. F. & **Strahl, B. D.** (2005) BUR kinase selectively regulates H3 K4 trimethylation and H2B ubiquitylation through recruitment of the PAF elongation complex. *Current Bio*. **15**:1487-1493.
30. Rao, B., Shibata, Y., **Strahl, B. D.** & Lieb, J. D. (2005) Dimethylation of Histone H3 at Lysine 36 Occurs Co-transcriptionally to Demarcate Regulatory and Non-Regulatory Chromatin Genome-wide. *Mol Cell Biol.* **25**:9447-9459.
31. Keogh, M.-C., Kurdistani, S. K., Morris, S. A., Ahn, S. H., Collins, S. R., Podolny, V., Chin, K., Punna, T., Thompson, N. J., Boone, C., Emili, A., Weissman, J. S., Hughes, T. R., **Strahl, B. D.**, Grunstein, M., Greenblatt, J. F., Buratowski, S., & Krogan, N. J. (2005) Co-transcriptional Set2 methylation of histone H3 lysine 36 recruits a repressive Rpd3 complex. *Cell* **123**:593-605.
32. Vojnic, E., Simon, B., **Strahl, B. D.**, Sattler, M. & Cramer, P. (2006) Structure and CTD binding of the Set2 SRI domain that couples histone H3 K36 methylation to transcription. *J Biol Chem.* **281**:13-15.
33. Tripic, T., Edmondson, D., Davie, J, **Strahl, B. D.** & Dent, S.R. (2006) The Set2 methyltransferase associates with Ssn6 yet Tup1-Ssn6 repression is independent of histone methylation. *Biochem Biophys Res Comm*. **339**:905-14.
34. Biswas, D., Duttu-Biswas, R., Mitra, D., Shibata, Y., **Strahl, B. D.**, Formosa, T., Stillman, D. J. (2006) Opposing roles for Set2 and yFACT in regulating TBP binding at promoters. *EMBO J.* **25**:4479-4489.
35. Kizer, O. K., Xiao, T. & **Strahl, B. D.** (2006) Accelerated nuclei preparation and methods for the analysis of histone modifications in yeast. *Methods* **40**:296-302.
36. Xiao, T., Shibata, Y., Rao, B., Laribee, R. N., Krogan, J. N., Greenblatt, J. F., Rourke, R. O., Buck, M. J., Lieb, J. D. & **Strahl, B. D.** (2007) The RNA Pol II kinase Ctk1 regulates positioning of a 5' histone methylation boundary along genes. *Mol Cell Biol.* **27**:721-731.
37. Garcia, B. A., Hake, S. B., Diaz, R. L., Kauer, M., Morris, S. A., Recht, J., Shabanowitz, J., Mishra, N., **Strahl, B. D.**, Allis, C. D. & Hunt, D. F. (2007) Organismal differences in post-translational modification in histones H3 and H4. *J Biol Chem.* **282**:7641-7655.

38. Morris, S. A., Rao, B., Garcia, B. A., Hake, S. B., Diaz, R. L., Shabanowitz, J., Hunt, D. F., Allis, C. D., Lieb, J. D. & **Strahl, B. D.** (2007) Identification of histone H3 lysine 36 acetylation as a highly conserved modification. *J Biol Chem.* **282**:7632-7640.
39. Laribee, R. N., Fuchs, S. M. & **Strahl B. D.** (2007) H2B ubiquitylation in transcriptional control: a FACT finding mission. *Genes & Dev.* **21**:737-743.
40. Laribee, R. N., Shibata, Y., Mersman, D. P., Roguev, A., Collins, S. R., Kemmeren, P., Weissman, J. S., Briggs, S. D., Krogan, N. J.* & **Strahl, B. D.*** (2007). The CCR4/NOT complex associates with the proteasome and regulates histone methylation. *Proc Natl Acad Sci USA* **104**:5836-5841.
41. Wyce, A., Xiao, T., Whelan, K. A., Kosman, C., Walter, W., Eick, D., Hughes, T. R., Krogan, N. J., **Strahl, B. D.** & Berger, S. L. (2007) H2B ubiquitylation acts as a barrier to Ctk1 nucleosomal recruitment prior to removal by Ubp8 within a SAGA-related complex. *Mol Cell.* **27**:275-88.
42. Rivenbark, A. G. & **Strahl B. D.** (2007) Unlocking cell fate. *Science* **318**:403-404.
43. Merker, J. D., Dominska, M., Greenwell, P. W., Rinella, E., Bouck, D. C., Shibata, Y., **Strahl, B. D.**, Mieczkowski, P. & Petes, T. D. (2008) The histone methylase Set2p and the histone deacetylase Rpd3p repress meiotic recombination at the *HIS4* meiotic recombination hotspot in *Saccharomyces cerevisiae*. *DNA Repair* **7**:1298-308.
44. Youdell, M. J.*, Kizer, O. K.*, Kisseleva-Romanova, E. Fuchs, S. M., Duro, E., Korn, K., **Strahl, B. D.** & Mellor, J. (2008) Spt6 controls methylation of lysine 36 on histone H3 to stabilize transcribed chromatin. *Mol Cell Biol.* **16**:4915-4926.
45. Henikoff, S., **Strahl, B. D.** & Warburton P. E. (2008) Epigenomics: a roadmap to chromatin. *Science*. **322**:853.
46. Fuchs, S. M., Laribee, R. N. & **Strahl, B. D.** (2009) Protein modifications in transcription elongation. *BBA - Gene Regulatory Mechanisms*. **1789**:26-36.
47. Lickwar, C.*, Rao, B.*, Shabalin, A., Nobel, A., **Strahl, B. D.** & Lieb, J. D. (2009) The Set2/Rpd3S pathway suppresses cryptic transcription without regard to gene length or transcription frequency *PLoS ONE*. **4**:e4886
48. Nakanishi, S., Lee, J. S., Gardner, K. E., Gardner, J. M., Takahashi, Y-H., Chandrasekharan, M. B., Sun, Z-W., Osley, M. A., **Strahl, B. D.**, Jaspersen, S. L. & Shilatifard, A. (2009) Histone H2BK123 monoubiquitination is the critical determinant for H3K4 and H3K79 trimethylation by COMPASS and Dot1. *J of Cell Biol.* **186**:371-377.
49. Fuchs, S. M., Krajewski, K., Miller, V., Baker, R. W. & **Strahl, B. D.** (2011) Influence of combinatorial histone modifications on antibody and effector protein recognition. *Current Biology.* **11**:53-58.
50. Ramachandran, S., Vogel, L., **Strahl, B. D.*** & Dokholyan, N. V.* (2011) Thermodynamic stability of protein-protein interaction is a necessary but not sufficient driving force for evolutionary conservation. *PLoS Comput Biol*. **7**:e1001042.
51. Gardner K. E., Zhou, L., Parra, M. A., Chen, X. & **Strahl, B. D.** (2011) Identification of lysine 37 of histone H2B as a novel site of methylation. *PLoS ONE*. **6**:e16244.
52. Gardner, K. E., Allis, C. D. & **Strahl, B. D.** (2011) OPERating ON chromatin, a colorful language where context matters. *J. Mol. Biol*. **409**:36-46.
53. Kerr, S. C., Azzouz, N., Fuchs, F. S., Collart, M. A., **Strahl, B. D.**, Corbett, A. H. & Laribee, R. N. (2011) The CCR4-NOT complex physically and functionally interacts with the mRNA export pathway. *PLoS ONE.* **6**:e18302.
54. Fuchs, S. M. & **Strahl, B. D.** (2011) Antibody recognition of histone post-translational modifications: emerging issues and future prospects. *Epigenomics*. **3**:247-249.
55. Fuchs, S. M., Kizer, K. O., Braberg, H., Krogan, N. & **Strahl, B. D.** (2012) RNA polymerase II CTD phosphorylation regulates protein stability of the Set2

methyltransferase and histone H3 di- and trimethylation at lysine 36. *J Biol Chem.* **287**:3249-3256.

56. Rivenbark, A. G., Stolzenburg, S., Yuan, X., **Strahl, B. D.** & Blancafort, P. (2012) Epigenetic reprogramming of cancer cells by targeted DNA methylation. *Epigenetics*. **7**:1-11.
57. Rothbart, S. B., Lin, S., Britton, L.-M., Krajewski, K., Keogh, M.-C., Garcia, B. & **Strahl, B. D**. (2012) Poly-acetylated chromatin signatures are preferred epitopes for site-specific histone H4 acetyl antibodies. *Scientific Reports*. **2**:489.
58. Rothbart, S. B., Krajewski, K., **Strahl B. D.**, Fuchs, S. M. (2012) Peptide microarrays to interrogate the histone code. *Methods Enzymol*. **512**:107-135.
59. Stolzenburg, S., Rots, M. G., Beltran, A. S., Rivenbark, A. G., Yuan, X., **Strahl, B. D.** & Blancafort, P. (2012) Targeted silencing of the oncogene transcription factor *SOX2* in breast cancer. *Nucleic Acid Res*. **40**:6725-6740.
60. Bánfai, B., Jia, H., Khatun, J., Wood, E., Risk, B., Gundling, W., Kundaje, A., Gunawardena, H. P., Yu, Y., Xie, L., Krajewski, K., **Strahl, B. D.**, Chen, X., Bickel, P. J., Giddings, M. C., Brown, J. B. & Lipovich, L. Long non-coding RNAs are rarely translated. *Genome Research*. **22**:1646-1657.
61. Rothbart, S. B., Krajewski, K., Nady, N., Tempel, W., Xue, S., Badeaux, A. I., Barsyty-Lovejoy, D., Martinez, J. Y., Bedford, M. T., Fuchs, S. M., Arrowsmith, C. H. & **Strahl, B. D**. (2012) Association of UHRF1 with methylated H3K9 directs the maintenance of DNA methylation. *Nature Structural & Molecular Biology*. **19**:1155-1162.
    - *News & Views* article highlighting this work was featured in *Epigenomics* (2012) **4**:597-599.
62. Rizzardi, L. F., Dorn, E. E. **Strahl B. D.** & Cook J. G. (2012) H3K4 di-methylation promotes DNA replication origin function in Saccharomyces cerevisiae. *Genetics* **192**:371-384.
63. Nishikori, S., Fuchs, S. M., Yasui, N., Wojcik, J., Koide, A., **Strahl, B. D.** & Koide, S. A (2012) quantitative and sensitive method for characterizing anti-histone antibodies. *J. Mol. Biol.* 424:391-399.
64. Ali, M., Yan, K., Lalonde, M.-E., Degerny, C., Rothbart, S. B., **Strahl, B. D.**, Cote, J., Yang, X-.J. & Kutateladze, T., G. (2012) Tandem PHD fingers of MORF/MOZ acetyltransferases display selectivity for acetylated histone H3 and are required for the association with chromatin. *J. Mol. Biol*. 424:328-288.
65. Cai, L., Rothbart, S. B., Lu, R., Xu, B., Tripathy, A., Chen, W.-Y., Zheng, D., Patel, D. J., Allis, C. D., **Strahl, B. D.**, Song, J., Wang, G. G. (2013) An H3K36 methylation-engaging Tudor motif of polycomb-like proteins mediates PRC2 complex targeting. *Molecular Cell*. **49**:571-582.
66. Law, J. A., Du, J., Hale, C. J., Feng, S., Krajewski, K., **Strahl, B. D.**, Patel, D. J. & Jacobsen, S. E. (2013) SHH1 recruits RNA Polymerase-IV to RNA-directed DNA methylation targets. *Nature*. **498**:385-389.
67. Rothbart, S. B., Dickson, B. M., Ong, M. S., Krajewski, K., Houliston, S., Kireev, D. B., Arrowsmith, C. H. & **Strahl, B. D.** (2013) Multivalent histone engagement by the linked tandem Tudor and PHD domains of UHRF1 is required for the epigenetic inheritance of DNA methylation. *Genes & Development*. **27**:1288-1298.
68. Ali, M., Rincon-Arano, H., Zhao., W., Rothbart, S. B., Tong, Q., Parkhurst, S., **Strahl B. D.**, Deng, L.-W., Groudine, M., Kutateladze, T. G. (2013) Molecular basis for chromatin binding and regulation of MLL5. *Proc Natl Acad Sci USA*. **110**:11296-11301.
69. Gatchalian, J., Fütterer, A., Rothbart, S. B.,Tong, Q., Rincon-Arano, H., Sánchez de Diego, A. Groudine, M., **Strahl, B. D.**, Martínez-A, C., van Wely, H. M. K. &

Kutateladze, T. G. Dido3 PHD modulates cell differentiation and division. (2013) *Cell Reports*. **11**:148-158.

70. Kinkelin, K., Wozniak, G. G., Rothbart, S. B., Lidschreiber, M., **Strahl B. D.** & Cramer, P. Structures of RNA polymerase II complexes with Bye1, a chromatin-binding PHF3/DIDO1 homologue. (2013) In Press at *Proc Natl Acad Sci USA*.
71. McDaniel S. L. & **Strahl, B. D.** (2013) Stress-Free with Rpd3: A unique chromatin complex mediates the response to oxidative stress. In Press at *Mol Cell Biol.*
72. Hattori, T., Taft, J., Swift, K., Luo, H., Witt, H., Slattery, M., Koide, A., Ruthenburg, A. J., Krajewski, K., **Strahl, B. D.**, White, K. P., Farnham, P. J., Zhao, Y., Koide, S. (2013) Recombinant antibodies to histone posttranslational modifications. In Press at *Nature Methods*.
73. Kim, H.-S., Mukhopadhyay, R., Rothbart, S. B., Silva, A. C., Vanoosthuyse, V., Radovani, E., Kislinger, T., Roguev, A., Ryan, C. J., Xu, J., Jahari, H., Hardwick, K., G., Greenblatt, J. F., Krogan, N. J., Fillingham, J., S., **Strahl, B. D.**, Bouhassira, E., E., Edelmann, W. & Keogh, M.-C. Identification of a novel Bromodomain/Casein Kinase II/TAF-containing complex as a regulator of mitotic condensin function. In revision at *Cell Reports*.
74. Dronamraju, R. & **Strahl B. D.** A cell cycle regulated feed forward circuit comprising Spt6, Ctk1 and PAF regulates Pol II CTD phosphorylation and transcription elongation. In revision at *Nucleic Acids Research*.
75. Jha, D. & **Strahl, B. D.** H3K36 methylation regulates chromatin remodeling and checkpoint activation after DSB. In revision at *Molecular Cell*.
76. Ramachandran, S.[¶], Parra, M.[¶], Jha, D.[¶], Dokholyan, N. K.*, **Strahl, B. D.*** Rational Design of H2A.Z Mutants Uncover Differential Chaperone Interactions and Function. In revision at *Nucleic Acids Research*.
77. Greer, E. L., Beese-Sims, S. E., Spadafora, R., Rothbart, S. B., Badeaux, A. I., **Strahl, B. D.**, Colaiácovo, M. P. & Shi, Y. A histone methylation network regulates transgenerational epigenetic memory in *C. elegans*. Submitted to *Nature*.
78. Wozniak, G. & **Strahl, B. D.** Identification of the Histone H2A Repression Domain as a Regulator of H3K79 Methylation and Transcription Elongation in Yeast. In revision at *Molecular and Cellular Biology*.
79. Lee, Y., Yan, Z., Ramachandran, S., Zhou, L., Lee, K.-J., Yanbao, Y., Gunawardena, H. P., Krajewski, K., **Strahl, B. D.,** Chen, D., Dokholyan, N. V. & Chen, X. Differential regulation of H2AX-mediated DNA damage response/repair by concerted actions of multiple histone-modifying enzymes. Submitted to *Nature Chemical Biology*.

Society Memberships

2004 – present American Society for Microbiology
2005 – present American Society of Biochemistry and Molecular Biology

Journal Referee (current average of 4 papers/month)

Cancer Cell, Current Biology, Cell, Gene Structure and Expression, EMBO Journal, EMBO Reports, Epigenetics & Chromatin, Eukaryotic Cell, FEBS Letters, Gene, Genetics, Genome Biology, Journal of Immunological Methods**,** Journal of Molecular Biology, Molecular and Cellular Biology, Molecular and Cellular Proteomics, Molecular Biology of the Cell, Molecular Cell, Methods in Enzymology, Nature, Nature Cell Biology, Nature Genetics, Nature Reviews Genetics, Nature Structural & Molecular Biology, Nucleic Acids Research, Nucleus, Oncogene, PLoS Biology, PLoS Genetics, PNAS, Science, Structure, Trends in Genetics

Extra-Mural Service

2003	*Ad-hoc* grant reviewer for NSF
2004	National Institute of Environmental Health Science faculty search committee
2005	National Institute of Environmental Health Science faculty search committee
2005	Task force member to evaluate the American Society of Biochemistry and Molecular Biology journal "ASBMB *Today*"
2006-present	Co-organizer of the "*Atlantic Coast Chromatin Research Club*" to foster local interaction and communication between Research Triangle area chromatin researchers with monthly meetings and a yearly symposium
2007	National Institute of Environmental Health Science committee member for the evaluation and promotion of a senior postdoctoral researcher.
2012	Co-organizer of the 2012 FASEB Summer Research Conference on Biological Methylation
2012	National Institute of Environmental Health Science committee member for the evaluation and promotion of a senior postdoctoral researcher.
2013	*Ad-hoc* grant reviewer for NSF
2013	Co-organizer of the "*Carolina Chromatin Consortium (C^3)*" – a UNC-based chromatin and epigenetics chromatin interest group that meets monthly to foster local interaction and to stimulate synergistic collaborative research and grants within the UNC community.