

# DR. QIN FENG

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## CURRENT POSITION

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## PUBLICATIONS

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**Feng Q**, Zhang Y (2001). [The MeCP1 complex represses transcription through preferential binding, remodeling, and deacetylating methylated nucleosomes.](#) *Genes & Dev*, 15: 827-832. PMCID: PMC312663

Wang HB, Huang ZQ, Li X, **Feng Q**, Erdjument-Bromage H, Strahl BD, Briggs S, Allis DC, 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. PMID: 11387442

**Feng Q**, Cao R, Xia L, Erdjument-Bromage H, Tempst P, Zhang Y (2002). [Identification and functional characterization of the p66/p68 components of the MeCP1 complex.](#) *Mol. Cell. Biol.* 22, 536-546. PMCID: PMC139742

Ng HH, **Feng Q**, Wang H, Erdjument-Bromage H, Tempst P, Zhang Y, Struhl K (2002). [Lysine methylation within the globular domain of histone H3 by Dot1 is](#)

[important for telomeric silencing and Sir protein association.](#) *Genes Dev* 16, 1518-1527. PMID: PMC186335

**Feng Q**, Wang H, Ng HH, Erdjument-Bromage H, Tempst P, Struhl K, Zhang Y (2002). [Methylation of H3-lysine 79 is mediated by a new family of HMTases without a SET domain.](#) *Curr Biol* 12, 1052-1058. PMID: 12123582

Fang J, **Feng Q**, Ketel CS, Wang H, Cao R, Xia L, Erdjument-Bromage H, Tempst P, Simon JA, Zhang Y (2002). [Purification and functional characterization of SET8, a nucleosomal histone H4-lysine 20-specific methyltransferase.](#) *Curr Biol* 12, 1086-1099. PMID: 12121615

**Feng Q**, Zhang Y (2003). [The NuRD complex: linking histone modification to nucleosome remodeling.](#) In "Protein Complexes that Modify Chromatin" (Ed. J. L. Workman). *Current Topics in Microbiology and Immunology* 274, 269-290. PMID: 12596911

Min J, **Feng Q**, Li Z, Zhang Y, Xu RM (2003). [Structure of the catalytic domain of human Dot1L, a non-SET domain nucleosomal histone methyltransferase.](#) *Cell* 112, 711-723. PMID: 12628190

Im H, Park C, **Feng Q**, Johnson KD, Kiekhaefer CM, Choi K, Zhang Y, Bresnick E (2003). [Dynamic regulation of histone H3 methylated at lysine 79 within a tissue-specific chromatin domain.](#) *J Biol Chem* 278: 18346-18352. PMID: 12604594

Okada Y, **Feng Q**, Lin Y, Jiang Q, Li Y, Coffield VM, Su L, Xu G, Zhang Y (2005). [hDOT1L links histone methylation to leukemogenesis.](#) *Cell* 121, 167-178. PMID: 15851025

**Feng Q**, Zhang Y (2003). [The NuRD complex: linking histone modification to nucleosome remodeling.](#) In "Protein Complexes that Modify Chromatin" (Ed. J. L. Workman). *Current Topics in Microbiology and Immunology* 274, 269-290.