## SPECIAL TOPIC: From Epigenetic to Epigenomic Regulation

ISSN: 1674-7305 (Print) 1869-1889 (Online)

1. Review

### [Single-base resolution analysis of DNA epigenome via high-throughput sequencing](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_article_10.1007_s11427-2D016-2D5013-2Dx&d=DwMFAw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=cRtH1CPO2O3_AET4IJXFgT75jjTfn85dP8MI2O8SSd0&s=wCBGoHU0sOGt0E2P7mURrGDg-df01AGjtj2VWb3Eskw&e=)

[Jinying Peng](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_search-3Ffacet-2Dcreator-3D-2522Jinying-2BPeng-2522&d=DwMFAw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=cRtH1CPO2O3_AET4IJXFgT75jjTfn85dP8MI2O8SSd0&s=1LM_Ex878sLOzsWXKxDJrKGcDuthEmixuAlEt4jNu2k&e=), [Bo Xia](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_search-3Ffacet-2Dcreator-3D-2522Bo-2BXia-2522&d=DwMFAw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=cRtH1CPO2O3_AET4IJXFgT75jjTfn85dP8MI2O8SSd0&s=Xa7AnZRi4sMHJPrfwbvshwnuEFRtArO3CDBJEMSdWOk&e=), [Chengqi Yi](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_search-3Ffacet-2Dcreator-3D-2522Chengqi-2BYi-2522&d=DwMFAw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=cRtH1CPO2O3_AET4IJXFgT75jjTfn85dP8MI2O8SSd0&s=nk0Gd1N9c6lId6Oao84tY4SAPKfvQGqICpmZlBSQvk0&e=) Pages 219-226

[**Download PDF**(1152KB)](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_content_pdf_10.1007-252Fs11427-2D016-2D5013-2Dx.pdf&d=DwMFAw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=cRtH1CPO2O3_AET4IJXFgT75jjTfn85dP8MI2O8SSd0&s=O-nbUeH01Lo45LjwW6K_vf15J1XL9emt9-FF4EM51I0&e=)

1. Review

### [Emerging roles of non-coding RNAs in epigenetic regulation](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_article_10.1007_s11427-2D016-2D5010-2D0&d=DwMFAw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=cRtH1CPO2O3_AET4IJXFgT75jjTfn85dP8MI2O8SSd0&s=lMpgSzJt3xHOmsLjpMYGA7pY1v0fGdfal77nxJeS4hU&e=)

[Juan Chen](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_search-3Ffacet-2Dcreator-3D-2522Juan-2BChen-2522&d=DwMFAw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=cRtH1CPO2O3_AET4IJXFgT75jjTfn85dP8MI2O8SSd0&s=9lbCjCdUXI7-PCYASgZogoykD2_ZfnLUWjTvJ-stbpU&e=), [Yuanchao Xue](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_search-3Ffacet-2Dcreator-3D-2522Yuanchao-2BXue-2522&d=DwMFAw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=cRtH1CPO2O3_AET4IJXFgT75jjTfn85dP8MI2O8SSd0&s=D_-xkAWOU__uZnkq0FMMv3Q8ytjtXFRWSdv3XQeo6Y4&e=) Pages 227-235

[**Download PDF**(1252KB)](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_content_pdf_10.1007-252Fs11427-2D016-2D5010-2D0.pdf&d=DwMFAw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=cRtH1CPO2O3_AET4IJXFgT75jjTfn85dP8MI2O8SSd0&s=Hqt7grKRPx0vWy2B1j7I7DZOHPR8AGRWrQHw4IoFiTI&e=)

1. Review

### [Long noncoding RNAs as Organizers of Nuclear Architecture](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_article_10.1007_s11427-2D016-2D5012-2Dy&d=DwMFAw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=cRtH1CPO2O3_AET4IJXFgT75jjTfn85dP8MI2O8SSd0&s=8kDUn_Yvbmi_0ii1sesfGH2kXhbXLWGFNSpUSxS-rcQ&e=)

[Lu Cheng](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_search-3Ffacet-2Dcreator-3D-2522Lu-2BCheng-2522&d=DwMFAw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=cRtH1CPO2O3_AET4IJXFgT75jjTfn85dP8MI2O8SSd0&s=nQQbS6pfQdBv-kYJ7C23R-1-_3SaNm-UItIQQnjjlP4&e=), [Hui Ming](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_search-3Ffacet-2Dcreator-3D-2522Hui-2BMing-2522&d=DwMFAw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=cRtH1CPO2O3_AET4IJXFgT75jjTfn85dP8MI2O8SSd0&s=RDAdVwodGiRSEGVQydZwOxEdiGYVXArY9YRywTyLrjQ&e=), [Minzhe Zhu](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_search-3Ffacet-2Dcreator-3D-2522Minzhe-2BZhu-2522&d=DwMFAw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=cRtH1CPO2O3_AET4IJXFgT75jjTfn85dP8MI2O8SSd0&s=32gnkqg4raLMX52HVKCWiVkcYsQ45sSHXCSIt153Z0s&e=), [Bo Wen](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_search-3Ffacet-2Dcreator-3D-2522Bo-2BWen-2522&d=DwMFAw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=cRtH1CPO2O3_AET4IJXFgT75jjTfn85dP8MI2O8SSd0&s=0Y5XaD0ldmAqdmPfb_5f96-ARMHinqN9uhRdUD85wkE&e=) Pages 236-244

[**Download PDF**(766KB)](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_content_pdf_10.1007-252Fs11427-2D016-2D5012-2Dy.pdf&d=DwMFAw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=cRtH1CPO2O3_AET4IJXFgT75jjTfn85dP8MI2O8SSd0&s=LhJSoOwFrGxQeZfEqnst7X8m6SWSHGEuXeFtNDi-htc&e=)

1. Review

### [Histone Variant H3.3: A versatile H3 variant in health and in disease](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_article_10.1007_s11427-2D016-2D5006-2D9&d=DwMFAw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=cRtH1CPO2O3_AET4IJXFgT75jjTfn85dP8MI2O8SSd0&s=AbGmsTzpM8HDsxsK7khEfwPQOY6WPkWxJNpKNA87_ig&e=)

[Chaoyang Xiong](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_search-3Ffacet-2Dcreator-3D-2522Chaoyang-2BXiong-2522&d=DwMFAw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=cRtH1CPO2O3_AET4IJXFgT75jjTfn85dP8MI2O8SSd0&s=xd1KKyI7LBM7ENh2_Qwo-DhUOqpNMoWj1qPeqHbPjPs&e=), [Zengqi Wen](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_search-3Ffacet-2Dcreator-3D-2522Zengqi-2BWen-2522&d=DwMFAw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=cRtH1CPO2O3_AET4IJXFgT75jjTfn85dP8MI2O8SSd0&s=TBBLtLH9-bBQIIYbnp04cQCkLTw2ZXF-tFLV4lTaE48&e=), [Guohong Li](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_search-3Ffacet-2Dcreator-3D-2522Guohong-2BLi-2522&d=DwMFAw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=cRtH1CPO2O3_AET4IJXFgT75jjTfn85dP8MI2O8SSd0&s=Bzn7cvYbLtaJ2peupF9bhxzkX2JuW9k6LG59_0NNDx0&e=) Pages 245-256

[**Download PDF**(1155KB)](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_content_pdf_10.1007-252Fs11427-2D016-2D5006-2D9.pdf&d=DwMFAw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=cRtH1CPO2O3_AET4IJXFgT75jjTfn85dP8MI2O8SSd0&s=tjwpMz3HPSv7s7vIDptoJwaIytq660xk5LnTKF8kw5s&e=)

1. Review

### [Histone modifications in DNA damage response](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_article_10.1007_s11427-2D016-2D5011-2Dz&d=DwMFAw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=cRtH1CPO2O3_AET4IJXFgT75jjTfn85dP8MI2O8SSd0&s=FwdiabaUC9W6sBmp2zRlaxOGYuLbYL91ANzTA4ePzxk&e=)

[Lin-Lin Cao](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_search-3Ffacet-2Dcreator-3D-2522Lin-2DLin-2BCao-2522&d=DwMFAw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=cRtH1CPO2O3_AET4IJXFgT75jjTfn85dP8MI2O8SSd0&s=U9bwww8cSxCf9Xh12E6cIS4srZRP8bOftiFBkDPlnxA&e=), [Changchun Shen](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_search-3Ffacet-2Dcreator-3D-2522Changchun-2BShen-2522&d=DwMFAw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=cRtH1CPO2O3_AET4IJXFgT75jjTfn85dP8MI2O8SSd0&s=vYXWm1-ONY-7FyU-Xtu9RUy3NVawFy3tOoQlP0lW9bg&e=), [Wei-Guo Zhu](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_search-3Ffacet-2Dcreator-3D-2522Wei-2DGuo-2BZhu-2522&d=DwMFAw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=cRtH1CPO2O3_AET4IJXFgT75jjTfn85dP8MI2O8SSd0&s=5c9zWZegyVgmJjol2LLfTXVuqkkYaL5Mpk1L6bz63uM&e=) Pages 257-270

[**Download PDF**(690KB)](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_content_pdf_10.1007-252Fs11427-2D016-2D5011-2Dz.pdf&d=DwMFAw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=cRtH1CPO2O3_AET4IJXFgT75jjTfn85dP8MI2O8SSd0&s=aikPS4wZvsAZcDuTJtsUKHNaLfKMeQ4ymoyylB7Rxsc&e=)

1. Review

### [Post-transcriptional gene silencing in plants: a double-edged sword](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_article_10.1007_s11427-2D015-2D4972-2D7&d=DwMFAw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=cRtH1CPO2O3_AET4IJXFgT75jjTfn85dP8MI2O8SSd0&s=YQQbUfK6Q38BuVqLIomMPy-THNgkoEPqQL6oRi6HYxk&e=)

[Xinyan Zhang](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_search-3Ffacet-2Dcreator-3D-2522Xinyan-2BZhang-2522&d=DwMFAw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=cRtH1CPO2O3_AET4IJXFgT75jjTfn85dP8MI2O8SSd0&s=udJl2aN_JD3DNU8W2TsDhDICBWkNc7EhU8-SWReVE-Y&e=), [Ying Zhu](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_search-3Ffacet-2Dcreator-3D-2522Ying-2BZhu-2522&d=DwMFAw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=cRtH1CPO2O3_AET4IJXFgT75jjTfn85dP8MI2O8SSd0&s=xmWQI2Zmj6JjqKCvUjWyPJFuVgf8NH7EzA8eFEQIlCI&e=), [Huihui Wu](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_search-3Ffacet-2Dcreator-3D-2522Huihui-2BWu-2522&d=DwMFAw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=cRtH1CPO2O3_AET4IJXFgT75jjTfn85dP8MI2O8SSd0&s=vKkIMwoIVSZJgtkrPgxP6hVnRjlE24QoV7QR2DFn63E&e=), [Hongwei Guo](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_search-3Ffacet-2Dcreator-3D-2522Hongwei-2BGuo-2522&d=DwMFAw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=cRtH1CPO2O3_AET4IJXFgT75jjTfn85dP8MI2O8SSd0&s=Io34G4WFVHmL9TScPhODD6Gr9Lj_4R9LTu6SSGGzR9U&e=) Pages 271-276

[**Download PDF**(633KB)](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_content_pdf_10.1007-252Fs11427-2D015-2D4972-2D7.pdf&d=DwMFAw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=cRtH1CPO2O3_AET4IJXFgT75jjTfn85dP8MI2O8SSd0&s=ZKXXNNiRo6pQV88qfxEYaVvT7QaAOOA7Acim5u65n3A&e=)

1. Insight

### [Understanding super-enhancers](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_article_10.1007_s11427-2D016-2D5028-2D3&d=DwMFAw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=cRtH1CPO2O3_AET4IJXFgT75jjTfn85dP8MI2O8SSd0&s=g_VgFqm1_4oIru8m6xY3_rN9tgv0u6OrN72h5p4nlJg&e=)

[Hao Cheng](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_search-3Ffacet-2Dcreator-3D-2522Hao-2BCheng-2522&d=DwMFAw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=cRtH1CPO2O3_AET4IJXFgT75jjTfn85dP8MI2O8SSd0&s=DejCZSSpJ4cUk3atCpv6df8-2g9L_8lLkCe5dvYV8Aw&e=), [Xiaoyang Dou](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_search-3Ffacet-2Dcreator-3D-2522Xiaoyang-2BDou-2522&d=DwMFAw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=cRtH1CPO2O3_AET4IJXFgT75jjTfn85dP8MI2O8SSd0&s=f7EHeTaEJ22mNqgTODK4k0WEfaxt-EBgq8M4fxVFABc&e=), [Jing-Dong J. Han](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_search-3Ffacet-2Dcreator-3D-2522Jing-2DDong-2BJ.-2BHan-2522&d=DwMFAw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=cRtH1CPO2O3_AET4IJXFgT75jjTfn85dP8MI2O8SSd0&s=RodKTZ8x29ZEYXFZEUHD-_2Y7iTh4LIIKF4xR0bW_70&e=) Pages 277-280

[**Download PDF**(298KB)](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_content_pdf_10.1007-252Fs11427-2D016-2D5028-2D3.pdf&d=DwMFAw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=cRtH1CPO2O3_AET4IJXFgT75jjTfn85dP8MI2O8SSd0&s=V24KhOh7LjLCRW2fTa8omYby6cqEiPA4uDSnpwMLxOg&e=)