

DNA Option Course 2018 - 2019

Reading List for the Level 4 DNA option - Semester 1
2018/19

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@article{Adli_2018, title={The CRISPR tool kit for genome editing and beyond}, volume={9}, DOI={10.1038/s41467-018-04252-2}, number={1}, journal={Nature Communications}, author={Adli, Mazhar}, year={2018}, month={Dec} }

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@article{Bogdanove_Bohm_Miller_Morgan_Stoddard_2018, title={Engineering altered protein-DNA recognition specificity}, volume={46}, DOI={10.1093/nar/gky289}, number={10}, journal={Nucleic Acids Research}, author={Bogdanove, Adam J and Bohm, Andrew and Miller, Jeffrey C and Morgan, Richard D and Stoddard, Barry L}, year={2018}, month={Jun}, pages={4845-4871} }

@book{Calladine_2004, address={San Diego, Calif}, edition={3rd ed}, title={1. Understanding DNA: the molecule & how it works}, publisher={Academic}, author={Calladine, C. R.}, year={2004} }

@article{Cejka_2017, title={Biochemistry: Complex assistance for DNA invasion}, DOI={10.1038/nature24149}, journal={Nature}, author={Cejka, Petr}, year={2017}, month={Oct} }

@article{Chandrasekaran_Anderson_Kizer_Halvorsen_Wang_2016, title={5. Beyond the Fold: Emerging Biological Applications of DNA Origami}, volume={17}, DOI={10.1002/cbic.201600038}, number={12}, journal={ChemBioChem}, author={Chandrasekaran, Arun Richard and Anderson, Nate and Kizer, Megan and Halvorsen, Ken and Wang, Xing}, year={2016}, month={Jun}, pages={1081-1089} }

@article{Chen_Chan_Hsieh_2013, title={New Mechanistic and Functional Insights into DNA Topoisomerases}, volume={82}, DOI={10.1146/annurev-biochem-061809-100002}, number={1}, journal={Annual Review of Biochemistry}, author={Chen, Stefanie Hartman and Chan, Nei-Li and Hsieh, Tao-shih}, year={2013}, month={Jun}, pages={139-170} }

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@article{Deindl_Hwang_Hota_Blosser_Prasad_Bartholomew_Zhuang_2013, title={ISWI Remodelers Slide Nucleosomes with Coordinated Multi-Base-Pair Entry Steps and Single-Base-Pair Exit Steps}, volume={152}, DOI={10.1016/j.cell.2012.12.040}, number={3}, journal={Cell}, author={Deindl, Sebastian and Hwang, William L. and Hota, Swetansu K. and Blosser, Timothy R. and Prasad, Punit and Bartholomew, Blaine and Zhuang, Xiaowei}, year={2013}, month={Jan}, pages={442-452} }

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@article{Graham_Marians_Kowalczykowski_2017, title={Independent and Stochastic Action of DNA Polymerases in the Replisome}, volume={169}, DOI={10.1016/j.cell.2017.05.041}, number={7}, journal={Cell}, author={Graham, James E. and Marians, Kenneth J. and Kowalczykowski, Stephen C.}, year={2017}, month={Jun}, pages={1201-1213.e17} }

@article{Hänsel-Hertsch_Di Antonio_Balasubramanian_2017, title={4. DNA G-quadruplexes in the human genome: detection, functions and therapeutic potential}, volume={18}, DOI={10.1038/nrm.2017.3}, number={5}, journal={Nature Reviews Molecular Cell Biology}, author={Hänsel-Hertsch, Robert and Di Antonio, Marco and Balasubramanian, Shankar}, year={2017}, month={Feb}, pages={279-284} }

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@article{Jia_Chai_Zhang_Fan_2017, title={Novel insights into chromosomal conformations in cancer}, volume={16}, DOI={10.1186/s12943-017-0741-5}, number={1}, journal={Molecular Cancer}, author={Jia, Ruobing and Chai, Peiwei and Zhang, He and Fan, Xianqun}, year={2017}, month={Dec} }

@article{Kaniecki_De Tullio_Greene_2017, title={A change of view: homologous recombination at single-molecule resolution}, volume={19}, DOI={10.1038/nrg.2017.92}, number={4}, journal={Nature Reviews Genetics}, author={Kaniecki, Kyle and De Tullio, Luisina and Greene, Eric C.}, year={2017}, month={Dec}, pages={191-207} }

@book{Krebs_Goldstein_Kilpatrick_2018, address={Burlington, Mass}, edition={12th ed}, title={Lewin's genes XII}, publisher={Jones & Bartlett Learning}, author={Krebs, Jocelyn E. and Goldstein, Elliott S. and Kilpatrick, Stephen T.}, year={2018} }

@article{Ledford_2017, title={Five big mysteries about CRISPR's origins}, volume={541}, DOI={10.1038/541280a}, number={7637}, journal={Nature}, author={Ledford, Heidi}, year={2017}, month={Jan}, pages={280-282} }

@article{Lelli_Slattery_Mann_2012, title={14. Disentangling the Many Layers of Eukaryotic Transcriptional Regulation}, volume={46}, DOI={10.1146/annurev-genet-110711-155437}, number={1}, journal={Annual Review of Genetics}, author={Lelli, Katherine M. and Slattery, Matthew and Mann, Richard S.}, year={2012}, month={Dec}, pages={43-68} }

@article{Lesbats_Engelman_Cherepanov_2016, title={23. Retroviral DNA Integration}, volume={116}, DOI={10.1021/acs.chemrev.6b00125}, number={20}, journal={Chemical Reviews}, author={Lesbats, Paul and Engelman, Alan N. and Cherepanov, Peter}, year={2016}, month={Oct}, pages={12730-12757} }

@article{Liu_Keijzers_Rasmussen_2017, title={24. DNA mismatch repair and its many roles in eukaryotic cells}, volume={773}, DOI={10.1016/j.mrrev.2017.07.001}, journal={Mutation Research/Reviews in Mutation Research}, author={Liu, Dekang and Keijzers, Guido and Rasmussen, Lene Juel}, year={2017}, month={Jul}, pages={174-187} }

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@article{Modrich_2016, title={Mechanisms in _____ and Human Mismatch Repair (Nobel Lecture)}, volume={55}, DOI={10.1002/anie.201601412}, number={30}, journal={Angewandte Chemie International Edition}, author={Modrich, Paul}, year={2016}, month={Jul}, pages={8490-8501} }

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@article{Nogales_Louder_He_2017, title={12. Structural Insights into the Eukaryotic Transcription Initiation Machinery}, volume={46}, DOI={10.1146/annurev-biophys-070816-033751}, number={1}, journal={Annual Review of Biophysics}, author={Nogales, Eva and Louder, Robert K. and He, Yuan}, year={2017}, month={May}, pages={59-83} }

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