

## Suggested Reading

### 4.1 Heredity, Genes, and DNA

Watson, J. D., and F. H. C. Crick. 1953. Genetical implications of the structure of deoxyribonucleic acid. *Nature* 171: 964–967.

### 4.2 Expression of Genetic Information

Nirenberg, M. 2004. Historical review: Deciphering the genetic code—a personal account. *Trends Biochem. Sci.* 29: 46–54.

### 4.3 Recombinant DNA

Cohen, S. N., A. C. Y. Chang, H. W. Boyer, and R. B. Helling. 1973. Construction of biologically functional bacterial plasmids *in vitro*. *Proc. Natl. Acad. Sci. USA* 70: 3240–3244.

Sanger, F., S. Nicklen, and A. R. Coulson. 1977. DNA sequencing with chain-terminating inhibitors. *Proc. Natl. Acad. Sci. USA* 74: 5463–5467.

### 4.4 Detection of Nucleic Acids and Proteins

Saiki, R. K., D. H. Gelfand, S. Stoffel, S. J. Scharf, R. Higuchi, G. T. Horn, K. B. Mullis, and H. A. Erlich. 1988. Primer-directed enzymatic amplification of DNA with a thermostable DNA polymerase. *Science* 239: 487–491.

### 4.5 Gene Function in Eukaryotes

Komor, A. C., A. H. Badran, and D. R. Liu. 2017. CRISPR-based technologies for the manipulation of eukaryotic genomes. *Cell* 168: 20–36.

Novina, C. D., and P. A. Sharp. 2004. The RNAi revolution. *Nature* 430: 161–164.