

PG Cert Clinical Bioinformatics – May 2021 Indicative Reading List

Molecular biology and genetics textbooks (look for the latest editions)

- Human Molecular Genetics, *Tom Strachan and Andrew Read*, Garland Science Chapters 1, 2 and 13
- New Clinical Genetics, *Andrew Read and Dian Donnai*, Scion Publishing Journal papers

Genetics

- [What is a gene, post ENCODE? History and updated definition](#)
- [Non-coding RNAs: key regulators of mammalian transcription](#)
- [Regulation of mRNA Splicing by Signal Transduction](#)
- [RNA splicing, disease and therapy](#)

Variant interpretation

- [Standards and guidelines for variant interpretation](#)
- [Human genotype-phenotype databases: aims challenges and opportunities](#)

Health Informatics

- Guide to Health Informatics, Third Edition Paperback – 12 Mar 2015 by Enrico Coiera

Programming

- [Software carpentry](#)
- [Linux tutorial](#)
- [W3C Schools on Python](#)
- [GitHub book](#)
- [University of Manchester Wakelet](#)

