

TMSPHASPSM01: MSc Pharmacogenetics and Stratified Medicine

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1.

Hall, I. P. & Pirmohamed, M. Pharmacogenetics. (Taylor & Francis, 2006).

2.

Gibb, Alasdair J., Foreman, John C., & Johansen, Torben. Textbook of receptor pharmacology. (CRC Press, 2011). doi:10.1201/9781420052558.

3.

Kenakin, Terrence P. A pharmacology primer: theory, applications, and methods. (Elsevier Academic Press, 2009).

4.

Burton, Paul, Palmer, Lyle, & Smith, George Davey. An introduction to genetic epidemiology. vol. Health&society series (Policy Press, 2011).

5.

Holmes, M. V. et al. Fulfilling the Promise of Personalized Medicine? Systematic Review and Field Synopsis of Pharmacogenetic Studies. PLoS ONE **4**, (2009).

6.

Humphries, S. E. & Hingorani, A. Pharmacogenetics: Progress, pitfalls and clinical potential for coronary heart disease. Vascular Pharmacology **44**, 119–125 (2006).

7.

Neubig, R. R. International Union of Pharmacology Committee on Receptor Nomenclature and Drug Classification. XXXVIII. Update on Terms and Symbols in Quantitative Pharmacology. *Pharmacological Reviews* **55**, 597–606 (2003).

8.

Lefkowitz, R. J. Historical review: A brief history and personal retrospective of seven-transmembrane receptors. *Trends in Pharmacological Sciences* **25**, 413–422 (2004).

9.

Seifert, R. & Wenzel-Seifert, K. Constitutive activity of G-protein-coupled receptors: cause of disease and common property of wild-type receptors. *Naunyn-Schmiedeberg's Archives of Pharmacology* **366**, 381–416 (2002).

10.

Thompson, A. J., Lester, H. A. & Lummis, S. C. R. The structural basis of function in Cys-loop receptors. *Quarterly Reviews of Biophysics* **43**, 449–499 (2010).

11.

Kirkwood, Betty R., Kirkwood, Betty R., & Sterne, Jonathan A. C. *Essential medical statistics* . (Blackwell Science, 2003).

12.

New Perspectives for the Elucidation of Genetic Disorders. doi:520679.

13.

Ropers, H.-H. New Perspectives for the Elucidation of Genetic Disorders. *The American Journal of Human Genetics* **81**, 199–207 (2007).

14.

Hirschhorn, J. N. & Daly, M. J. Genome-wide association studies for common diseases and complex traits. *Nature Reviews Genetics* **6**, 95–108 (2005).

15.

Botstein, D. & Risch, N. Discovering genotypes underlying human phenotypes: past successes for mendelian disease, future approaches for complex disease. *Nature Genetics* **33**, 228–237 (2003).

16.

Capecchi, M. R. Essay: Gene targeting in mice: functional analysis of the mammalian genome for the twenty-first century. *Nature Reviews Genetics* **6**, 507–512 (2005).

17.

Brinkman, R. R., Dubé, M.-P., Rouleau, G. A., Orr, A. C. & Samuels, M. E. Human monogenic disorders — a source of novel drug targets. *Nature Reviews Genetics* **7**, 249–260 (2006).

18.

O'Connor, T. P. & Crystal, R. G. Genetic medicines: treatment strategies for hereditary disorders. *Nature Reviews Genetics* **7**, 261–276 (2006).

19.

Antonarakis, S. E. & Beckmann, J. S. Mendelian disorders deserve more attention. *Nature Reviews Genetics* **7**, 277–282 (2006).

20.

Table of contents : *Nature Reviews Genetics* Focus on Monogenic disorders.

21.

Hansson, G. K. & Libby, P. The immune response in atherosclerosis: a double-edged sword. *Nature Reviews Immunology* **6**, 508–519 (2006).

22.

Atherosclerosis — An Inflammatory Disease — NEJM.

23.

Yusuf, S. et al. Effect of potentially modifiable risk factors associated with myocardial infarction in 52 countries (the INTERHEART study): case-control study. *The Lancet* **364**, 937–952 (2004).

24.

Kathiresan, S. et al. Genome-wide association of early-onset myocardial infarction with single nucleotide polymorphisms and copy number variants. *Nature Genetics* **41**, 334–341 (2009).

25.

Bras, J. M. & Singleton, A. Genetic susceptibility in Parkinson's disease. *Biochimica et Biophysica Acta (BBA) - Molecular Basis of Disease* **1792**, 597–603 (2009).

26.

Altshuler, D., Daly, M. J. & Lander, E. S. Genetic Mapping in Human Disease. *Science* **322**, 881–888 (2008).

27.

McCarthy, M. I. et al. Genome-wide association studies for complex traits: consensus, uncertainty and challenges. *Nature Reviews Genetics* **9**, 356–369 (2008).

28.

Abou-Sleiman, P. M., Muqit, M. M. K. & Wood, N. W. Expanding insights of mitochondrial dysfunction in Parkinson's disease. *Nature Reviews Neuroscience* **7**, 207–219 (2006).

29.

Sham, P. *Statistics in human genetics*. (Wiley, 2007).

30.

Thomas, Duncan C. *Statistical methods in genetic epidemiology*. (Oxford University Press, 2004).

31.

Balding, D. J. A tutorial on statistical methods for population association studies. *Nature Reviews Genetics* **7**, 781–791 (2006).

32.

Neale, Benjamin M. & International Workshop of Twin and Family Studies. *Statistical genetics: gene mapping through linkage and association*. (Taylor & Francis, 2008).

33.

Bishop, M., Cannings, C., & Balding, D. J. *Handbook of statistical genetics*. (John Wiley, 2007).

34.

Foulkes, Andrea S. *Applied statistical genetics with R: for population-based association studies*. vol. Use R! (Springer, 2009).

35.

Daly, A. K. Genome-wide association studies in pharmacogenomics. *Nature Reviews Genetics* **11**, 241–246 (2010).

36.

Holmes, M. V. et al. Fulfilling the Promise of Personalized Medicine? Systematic Review and Field Synopsis of Pharmacogenetic Studies. PLoS ONE **4**, (2009).

37.

Lee, A. J. X. & Swanton, C. Tumour heterogeneity and drug resistance: Personalising cancer medicine through functional genomics. Biochemical Pharmacology **83**, 1013–1020 (2012).

38.

Holmes, M. V. CYP2C19 Genotype, Clopidogrel Metabolism, Platelet Function, and Cardiovascular EventsA Systematic Review and Meta-analysis. JAMA: The Journal of the American Medical Association **306**, (2011).

39.

Orengo, Christine Ann, Jones, David Tudor, & Thornton, Janet M. Bioinformatics: genes, proteins and computers. (BIOS, 2003).

40.

Zvelebil, Marketa J. & Baum, Jeremy O. Understanding bioinformatics. (Garland Science, 2008).

41.

Lesk, Arthur M. Introduction to bioinformatics. (Oxford University Press, 2008).