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Abou-Sleiman, Patrick M., Miratul M. K. Muqit, and Nicholas W. Wood, 'Expanding Insights of Mitochondrial Dysfunction in Parkinson's Disease', *Nature Reviews Neuroscience*, 7.3 (2006), 207-19 <<https://doi.org/10.1038/nrn1868>>

Altshuler, D., M. J. Daly, and E. S. Lander, 'Genetic Mapping in Human Disease', *Science*, 322.5903 (2008), 881-88 <<https://doi.org/10.1126/science.1156409>>

Antonarakis, Stylianos E., and Jacques S. Beckmann, 'Mendelian Disorders Deserve More Attention', *Nature Reviews Genetics*, 7.4 (2006), 277-82
<<https://doi.org/10.1038/nrg1826>>

'Atherosclerosis — An Inflammatory Disease — NEJM'

Balding, David J., 'A Tutorial on Statistical Methods for Population Association Studies', *Nature Reviews Genetics*, 7.10 (2006), 781-91 <<https://doi.org/10.1038/nrg1916>>

Bishop, M., Cannings, C., and Balding, D. J., *Handbook of Statistical Genetics*, 3rd ed (Chichester: John Wiley, 2007)
<<https://onlinelibrary.wiley.com/doi/book/10.1002/9781119487845>>

Botstein, David, and Neil Risch, 'Discovering Genotypes Underlying Human Phenotypes: Past Successes for Mendelian Disease, Future Approaches for Complex Disease', *Nature Genetics*, 33.3s (2003), 228-37 <<https://doi.org/10.1038/ng1090>>

Bras, Jose Miguel, and Andrew Singleton, 'Genetic Susceptibility in Parkinson's Disease', *Biochimica et Biophysica Acta (BBA) - Molecular Basis of Disease*, 1792.7 (2009), 597-603
<<https://doi.org/10.1016/j.bbadi.2008.11.008>>

Brinkman, Ryan R., Marie-Pierre Dubé, Guy A. Rouleau, Andrew C. Orr, and Mark E. Samuels, 'Human Monogenic Disorders — a Source of Novel Drug Targets', *Nature Reviews Genetics*, 7.4 (2006), 249-60 <<https://doi.org/10.1038/nrg1828>>

Burton, Paul, Palmer, Lyle, and Smith, George Davey, *An Introduction to Genetic Epidemiology* (Bristol: Policy Press, 2011), Health&society series

Capecci, Mario R., 'Essay: Gene Targeting in Mice: Functional Analysis of the Mammalian Genome for the Twenty-First Century', *Nature Reviews Genetics*, 6.6 (2005), 507-12
<<https://doi.org/10.1038/nrg1619>>

Daly, Ann K., 'Genome-Wide Association Studies in Pharmacogenomics', *Nature Reviews*

Genetics, 11.4 (2010), 241–46 <<https://doi.org/10.1038/nrg2751>>

Foulkes, Andrea S., Applied Statistical Genetics with R: For Population-Based Association Studies (Dordrecht: Springer, 2009), Use R! <<https://doi.org/10.1007/978-0-387-89554-3>>

Gibb, Alasdair J., Foreman, John C., and Johansen, Torben, Textbook of Receptor Pharmacology, 3rd ed (Boca Raton, FL: CRC Press, 2011)
<<https://doi.org/10.1201/9781420052558>>

Hall, Ian P., and Munir Pirmohamed, Pharmacogenetics (New York: Taylor & Francis, 2006)
<<https://doi.org/10.3109/9781420016697>>

Hansson, Göran K., and Peter Libby, 'The Immune Response in Atherosclerosis: A Double-Edged Sword', *Nature Reviews Immunology*, 6.7 (2006), 508–19
<<https://doi.org/10.1038/nri1882>>

Hirschhorn, Joel N., and Mark J. Daly, 'Genome-Wide Association Studies for Common Diseases and Complex Traits', *Nature Reviews Genetics*, 6.2 (2005), 95–108
<<https://doi.org/10.1038/nrg1521>>

Holmes, Michael V., 'CYP2C19 Genotype, Clopidogrel Metabolism, Platelet Function, and Cardiovascular EventsA Systematic Review and Meta-Analysis', *JAMA: The Journal of the American Medical Association*, 306.24 (2011) <<https://doi.org/10.1001/jama.2011.1880>>
Holmes, Michael V., Tina Shah, Christine Vickery, Liam Smeeth, Aroon D. Hingorani, and Juan P. Casas, 'Fulfilling the Promise of Personalized Medicine? Systematic Review and Field Synopsis of Pharmacogenetic Studies', *PLoS ONE*, 4.12 (2009)
<<https://doi.org/10.1371/journal.pone.0007960>>

———, 'Fulfilling the Promise of Personalized Medicine? Systematic Review and Field Synopsis of Pharmacogenetic Studies', *PLoS ONE*, 4.12 (2009)
<<https://doi.org/10.1371/journal.pone.0007960>>

Humphries, Steve E., and Aroon Hingorani, 'Pharmacogenetics: Progress, Pitfalls and Clinical Potential for Coronary Heart Disease', *Vascular Pharmacology*, 44.2 (2006), 119–25
<<https://doi.org/10.1016/j.vph.2005.10.003>>

Kathiresan, Sekar, Benjamin F Voight, Shaun Purcell, Kiran Musunuru, Diego Ardissino, Pier M Mannucci, and others, 'Genome-Wide Association of Early-Onset Myocardial Infarction with Single Nucleotide Polymorphisms and Copy Number Variants', *Nature Genetics*, 41.3 (2009), 334–41 <<https://doi.org/10.1038/ng.327>>

Kenakin, Terrence P., A Pharmacology Primer: Theory, Applications, and Methods, 3rd ed (Burlington, MA: Elsevier Academic Press, 2009)
<<https://www-sciencedirect-com.libproxy.ucl.ac.uk/book/9780123745859/a-pharmacology-primer>>

Kirkwood, Betty R., Kirkwood, Betty R., and Sterne, Jonathan A. C., Essential Medical Statistics, 2nd ed (Malden, Mass: Blackwell Science, 2003)

Lee, Alvin J.X., and Charles Swanton, 'Tumour Heterogeneity and Drug Resistance:

Personalising Cancer Medicine through Functional Genomics', Biochemical Pharmacology, 83.8 (2012), 1013-20 <<https://doi.org/10.1016/j.bcp.2011.12.008>>

Lefkowitz, Robert J., 'Historical Review: A Brief History and Personal Retrospective of Seven-Transmembrane Receptors', Trends in Pharmacological Sciences, 25.8 (2004), 413-22 <<https://doi.org/10.1016/j.tips.2004.06.006>>

Lesk, Arthur M., Introduction to Bioinformatics, 3rd ed (Oxford: Oxford University Press, 2008)

McCarthy, Mark I., Gonçalo R. Abecasis, Lon R. Cardon, David B. Goldstein, Julian Little, John P. A. Ioannidis, and others, 'Genome-Wide Association Studies for Complex Traits: Consensus, Uncertainty and Challenges', Nature Reviews Genetics, 9.5 (2008), 356-69 <<https://doi.org/10.1038/nrg2344>>

Neale, Benjamin M. and International Workshop of Twin and Family Studies, Statistical Genetics: Gene Mapping through Linkage and Association (Abingdon: Taylor & Francis, 2008)

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, 55.4 (2003), 597-606 <<https://doi.org/10.1124/pr.55.4.4>>

'New Perspectives for the Elucidation of Genetic Disorders' <<https://doi.org/520679>>

O'Connor, Timothy P., and Ronald G. Crystal, 'Genetic Medicines: Treatment Strategies for Hereditary Disorders', Nature Reviews Genetics, 7.4 (2006), 261-76 <<https://doi.org/10.1038/nrg1829>>

Orengo, Christine Ann, Jones, David Tudor, and Thornton, Janet M., Bioinformatics: Genes, Proteins and Computers (Oxford: BIOS, 2003) <<https://www.vlebooks.com/Product/Index/2052147?page=0&startBookmarkId=-1>>

Ropers, Hans-Hilger, 'New Perspectives for the Elucidation of Genetic Disorders', The American Journal of Human Genetics, 81.2 (2007), 199-207 <<https://doi.org/10.1086/520679>>

Seifert, Roland, and Katharina Wenzel-Seifert, 'Constitutive Activity of G-Protein-Coupled Receptors: Cause of Disease and Common Property of Wild-Type Receptors', Naunyn-Schmiedeberg's Archives of Pharmacology, 366.5 (2002), 381-416 <<https://doi.org/10.1007/s00210-002-0588-0>>

Sham, P., Statistics in Human Genetics (Chichester: Wiley, 2007)

'Table of Contents : Nature Reviews Genetics Focus on Monogenic Disorders'

Thomas, Duncan C., Statistical Methods in Genetic Epidemiology (New York: Oxford University Press, 2004)

Thompson, Andrew J., Henry A. Lester, and Sarah C. R. Lummis, 'The Structural Basis of Function in Cys-Loop Receptors', *Quarterly Reviews of Biophysics*, 43.04 (2010), 449–99
[<https://doi.org/10.1017/S0033583510000168>](https://doi.org/10.1017/S0033583510000168)

Yusuf, Salim, Steven Hawken, Stephanie Ounpuu, Tony Dans, Alvaro Avezum, Fernando Lanas, and others, 'Effect of Potentially Modifiable Risk Factors Associated with Myocardial Infarction in 52 Countries (the INTERHEART Study): Case-Control Study', *The Lancet*, 364.9438 (2004), 937–52 <[https://doi.org/10.1016/S0140-6736\(04\)17018-9](https://doi.org/10.1016/S0140-6736(04)17018-9)>

Zvelebil, Marketa J. and Baum, Jeremy O., *Understanding Bioinformatics* (New York: Garland Science, 2008)
[<https://bibliu.com/app/#/view/books/9781136976964/pdf2htmlex/index.html#page_Cover>](https://bibliu.com/app/#/view/books/9781136976964/pdf2htmlex/index.html#page_Cover)