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Edited by Ammar Al-Chalabi, MRC Centre for Neurodegeneration Research, King's College London, and Laura Almasy, Southwest Foundation for Biomedical Research, San Antonio, Texas

Many human diseases—including Alzheimer’s disease, schizophrenia, cancer, and cardiovascular disease—show complex inheritance that requires sophisticated analysis. Genetics of Complex Human Diseases: A Laboratory Manual brings together the tools that geneticists use to find disease genes with the genetic concepts and statistical theories that underpin these research approaches. Topics covered include basic genetics and Mendelian inheritance, statistical methods, genetic epidemiology, linkage studies, transmission disequilibrium test analysis, variance components analysis, genome-wide association studies, copy-number variation, methods for high-throughput genotyping, the complexity of RNA editing, and genetic computer programs. The book’s chapters, written by leading investigators in the field, blend practical information and reviews of each topic, providing both the how and the why of complex disease analysis. Genetics of Complex Human Diseases is an important guide for anyone with an interest in human genetics or who uses genetic techniques in the study of diseases with complex inheritance.

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The Comprehensive Cancer Center at St. Jude Children’s Research Hospital (St. Jude) seeks motivated investigators for FACULTY positions to do innovative and significant research in developmental biology. Successful applicants will contribute their expertise in developmental biology to multidisciplinary translational research teams focused on improving outcomes for the major pediatric solid malignancies including rhabdomyosarcoma, osteosarcoma and neuroblastoma. Areas of particular interest include muscle development and regeneration, bone development and homeostasis, neural crest development and stem cell biology. Early career investigators interested in contributing to a culture of excellence at St. Jude are particularly encouraged to apply.

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