An Introduction to Human Molecular Genetics: 
Mechanisms of Inherited Diseases 
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This book is written for advanced level undergraduate courses, introductory graduate level courses, and basic medical school courses on human genetics. The text examines how human genes are discovered and, once a gene is known, how the defective version(s) causes a particular disorder. The author has designed the book to reflect the current era in the study of human genetics. 

Part One (chapters 1–3) reviews the fundamentals of genetics and focuses on basic cytogenetics and Mendelian genetics. Part Two (chapters 4–7) covers the concepts of molecular genetics; the tools, resources, and strategies for manipulating genes; genetic and physical mapping of human chromosomes; and isolating disease-causing genes. The book uses the information in these preceding chapters to focus on the molecular genetics of selected biological systems in Part Three (chapters 8–13). For instance, the genetic basis of inherited disorders of muscle, the nervous system, and the eye are presented. The book ends with a chapter that covers the field of human gene therapy. Each chapter of the book ends with a list of key terms that are discussed in a comprehensive chapter summary. There is a useful glossary and index at the end of the book. 

Probably the most important aspect of this book is its recognition of the constant change and flux in the field of human molecular genetics. To this end the author has structured the text to provide a flexible approach to the field: experimental procedures, review questions of a general nature and reference sections are included in the chapters. Illustrations are clear and well-laid out. I recommend this book to students who wish to pursue a career in human molecular genetics. 

Francis L. Martin