Genetics and Cancer
Recommended Resources

The resources listed below are selected from The Learning Center’s Recommended Resources on this topic. For more, please visit http://mdandersontlc.libguides.com/genetics.

Cancer Genetics Overview
This patient education document gives a brief introduction to cancer genetics.

MD Anderson Personalized Cancer Therapy: Knowledge Base for Precision Oncology
https://pct.mdanderson.org
This Personalized Cancer Therapy website was specifically developed as a tool for physicians and patients to assess potential therapy options based on specific tumor biomarkers. Registration is required for full access.

Genetics Home Reference: Help Me Understand Genetics
https://ghr.nlm.nih.gov/primer
This primer on human genetics provides an illustrated, basic explanation of how genes work and how mutations cause disorders. It also includes information about genetic inheritance, gene families, the genetics of normal human traits, genetic testing (including newborn screening), gene therapy, genomics research, and precision medicine.

A Cancer in the Family: Take Control of Your Genetic Inheritance
Call_Number: QZ 200 R826c 2016
Using her own family’s story, the latest science of cancer genetics, and her experience as a practicing physician, Ross shows readers how to spot the patterns of inherited cancer, how to get tested for cancer-causing genes, and what to do if you have one.

The Gene: An Intimate History by Siddhartha Mukherjee
Call Number: QU 475 M953g 2016
From the Pulitzer Prize-winning, bestselling author of The Emperor of All Maladies—a magnificent history of the gene and a response to the defining question of the future: What becomes of being human when we learn to “read” and “write” our own genetic information?
Researchers are discovering more about the myriad molecular switches that make sure genes are turned on at the right time and in the right place, and what happens when they don't work properly. This is allowing a four-dimensional picture of DNA to be built—a dynamic biological library, rather than static strings of code. Geneticist Kat Arney explores the intricacies of how, out of this seeming genetic chaos, life is created.

This book explains how we age at a cellular level and how we can make simple changes to keep our chromosomes and cells healthy, allowing us to stay disease-free longer and live more vital and meaningful lives.

Knowing and acting on your family health history is an important way to protect your health. Collect your family health history and share it with your doctor at your next visit. Your doctor can use it to develop a more complete picture of your health and your risk factors for disease. Together you can work on ways to reduce that risk.

Dr. Moalem's groundbreaking book shows us that the human genome is far more fluid and fascinating than your ninth grade biology teacher ever imagined. By bringing us to the bedside of his unique and complex patients, he masterfully demonstrates what rare genetic conditions can teach us all about our own health and well-being.

For More On This Topic

Online: http://mdandersonontlc.libguides.com/genetics
Email: asktlcstaff@mdanderson.org
Come in to one of our locations between 9 am and 4 pm, Monday through Friday.

Levit Family Learning Center, Mays Clinic, Floor 2, near the Tree Sculpture, 713-563-8010
Theodore N. Law Learning Center, Main Building, Floor 4, near elevator A, 713-745-8063

The Learning Center provides materials for information and convenience only. They are not to be substituted for medical advice. Medical information is often controversial and continually changes. Please talk to your doctor about your specific concerns.