Basic Science

Basic sciences of medicine is what every physician is educated in, and some return to in biomedical research. This type of research encompasses familiar scientific disciplines such as biochemistry, microbiology, physiology, and pharmacology, and their interplay, and involves laboratory studies with cell cultures, animal studies or physiological experiments. Basic science field also include behavioral and social sciences, which have no less profound relevance for medicine and health.

- Cell Biology, Genetics, and Biochemistry for Pre-Clinical Students

Cell Biology, Genetics, and Biochemistry for Pre-Clinical Students is an undergraduate medical-level resource for foundational knowledge across the disciplines of genetics, cell biology and biochemistry. This USMLE-aligned text is designed for a first-year undergraduate medical course that is delivered typically before students start to explore systems physiology and pathophysiology.

- Front Matter
- 1: Biochemistry Basics
- 2: Basic Laboratory Measurements

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9: Disorders of Monosaccharide Metabolism and Other Metabolic Conditions
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Back Matter

Thumbnail: DNA double helix. (Public Domain; NIH - Genome Research Institute).