

Useful websites and publications

Recommended websites, journals and books for further information.

Websites

[NCBI](#)

The National Center for Biotechnology Information contains many databases useful for researchers. They include:

- [PubMed](#) – Provides access to over 24 million citations from MEDLINE and other life science journals.
- [Omicron](#) – A catalog of human genes and genetic disorders.
- [Protein resources](#) – An assortment of protein research tools and databases.
- [GenBank](#) – A collection of publicly available nucleotide and amino acid sequences.
- [Entrez Gene](#) – Presents information on official nomenclature, aliases, sequence accessions, phenotype, EC numbers, MIM numbers, UniGene clusters, homology, map locations and related websites.

[UniProt](#)

A comprehensive resource of protein sequences and functional information.

[ExPASy Proteomics](#)

A list of internal and external bioinformatics tools for protein analysis.

[Histology Guide](#)

Provides information about the structure of human cells and tissues and how this is determined by their function.

[Human Protein Atlas](#)

Provides expression and localization of proteins in a large variety of normal and cancerous human tissues and cell lines with the aid of immunohistochemistry images.

[Citeab](#)

Antibody search engine, with results ranked by the number of citations.

[Antibody registry](#)

Provides antibodies from multiple sources with unique and persistent identifiers, so that they can be referenced within publications.

[Antibody Validation Database](#)

Collection of experimental results from independent laboratories that were obtained using commercial antibodies.

[The Antibody Resource Page](#)

Your complete guide to antibody research and suppliers.

[The Study of Antibody Recognition](#)

An in-depth article highlighting biophysical and chemical properties of antibodies.

[Immunology Bookcase](#)

An online resource that provides an in-depth view of the immune system.

Books

Antibodies: A laboratory Manual

Ed Harlow and David Lane (Cold Spring Harbor Laboratory Press, 1988)

This well-known book contains chapters on the immune response, structure of the antibody molecule, the activities of antibodies and the mechanism of antibody response. It also contains protocols for raising, purifying and labeling monoclonal and polyclonal antibodies, and describes ways of using antibodies to study antigens.

Immunohistochemistry: Basics and Methods

I.B. Buchwalow and W. Böcker (Springer Science and Business Media, 2010)

A concise and comprehensive guide to immunohistochemistry.

The ELISA guidebook

J.R. Crowther (Humana Press, 2000)

Guide to theory and application of ELISA

Immunohistochemistry: Methods Express

S. Renshaw, ed. (Scion, 2005)

Comprehensive guide to immunohistochemical techniques.

Immunology: A short course

R. Coico and G. Sunshine (John Wiley and Sons, 2009)

Clear succinct introduction to immunology.

Practical Flow Cytometry

H.M. Shapiro (John Wiley and Sons, 2005)

Discusses flow cytometry and its biomedical applications.