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Integrated Cellular and Molecular Pharmacology

A Comprehensive Guide for Pharmacy and Medical Sciences

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Integrated Cellular and Molecular Pharmacology: A Comprehensive Guide for Pharmacy and Medical Sciences

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Consolidated List of Abbreviations

- **AAV:** Adeno-associated Virus
- **ADCs:** Antibody-Drug Conjugates
- **ASOs:** Antisense Oligonucleotides
- **ATAC-seq:** Assay for Transposase-Accessible Chromatin using Sequencing
- **ATP:** Adenosine Triphosphate
- **BCMA:** B-cell Maturation Antigen
- **CAR-T:** Chimeric Antigen Receptor T-cell
- **cDNA:** Complementary DNA
- **ChIP-seq:** Chromatin Immunoprecipitation Sequencing
- **CRISPR:** Clustered Regularly Interspaced Short Palindromic Repeats
- **DISC:** Death-Inducing Signalling Complex
- **DNA:** Deoxyribonucleic Acid
- **ELISA:** Enzyme-Linked Immunosorbent Assay
- **ER:** Endoplasmic Reticulum
- **GPCRs:** G-protein–coupled receptors
- **HLA:** Human Leukocyte Antigen
- **mAbs:** Monoclonal Antibodies
- **MCM:** Minichromosomal Maintenance proteins
- **MHC:** Major Histocompatibility Complex
- **mRNA:** Messenger RNA
- **mTOR:** Mechanistic Target of Rapamycin
- **NGS:** Next-Generation Sequencing
- **NPCs:** Nuclear Pore Complexes
- **ORF:** Open Reading Frame
- **P-gp:** P-glycoprotein
- **PCR:** Polymerase Chain Reaction
- **PTM:** Post-Translational Modification
- **rDNA:** Recombinant DNA
- **RNA:** Ribonucleic Acid
- **RNA-seq:** RNA Sequencing
- **ROS:** Reactive Oxygen Species
- **rRNA:** Ribosomal RNA
- **RT-PCR:** Reverse Transcription Polymerase Chain Reaction
- **RTK / TKR:** Receptor Tyrosine Kinase
- **SDS-PAGE:** Sodium Dodecyl Sulfate–Polyacrylamide Gel Electrophoresis
- **SNP:** Single Nucleotide Polymorphism

- **TCA Cycle:** Tricarboxylic Acid Cycle (Krebs Cycle)
- **TKI:** Tyrosine Kinase Inhibitor
- **tRNA:** Transfer RNA
- **WES:** Whole Exome Sequencing
- **WGS:** Whole Genome Sequencing