



Targets

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Comprehending Molecular Targets

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The identification and validation of drug targets both play a pivotal role in drug discovery and development. Targeted therapies have revolutionized modern medicine by providing more effective and precise treatments for various diseases. Understanding the molecular mechanisms underlying disease pathogenesis and the interactions between drugs and their targets is crucial for the development of novel therapeutics. In this Reprint, we explored the diverse landscape of drug targets across different therapeutic areas. Topics of interest include, but are not limited to, the following:

- Molecular mechanisms of drug action;
- Identification and validation of novel drug targets;
- Targeted therapies for cancer and other diseases;
- Target-based drug design and development;
- Emerging targets for precision medicine;
- Target engagement and pharmacodynamics;
- Biomarkers of target engagement and drug response;
- Target-based screening and drug discovery strategies;
- Personalized medicine approaches targeting specific molecular pathways;
- Challenges and opportunities in targeting complex diseases.



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