

Needs & wants List (Drug discovery)

Object	Technologies that can be used for drug discovery
Technologies	<ul style="list-style-type: none">• New drug delivery systems such as prodrugs, carriers and chemical modifications that target specific tissues• Technologies to selectively promote accumulation in bone marrow are desirable
Approach	<ol style="list-style-type: none">1) Techniques to discover small-molecule drugs that work by mechanisms other than protein inhibition, activation and degradation<ul style="list-style-type: none">➤ Molecular weight (MW) of the drug is less than 20002) The following techniques (except for those that propose a compound only on the basis of in silico analysis). It is desirable to ensure that the compound acts selectively.<ul style="list-style-type: none">➤ Techniques to discover small-molecule drugs targeting RNA➤ Techniques to discover small-molecule drugs to control transcription factors➤ Techniques to discover small-molecule chaperones➤ Techniques to discover small-molecule drugs targeting protein–protein interactions3) The following techniques (excluding in silico analysis)<ul style="list-style-type: none">➤ Comprehensive analysis aimed at repositioning drugs; new techniques that can be used to evaluate new indications of a drug or to discover the as-yet-unknown target of a drug

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