

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
	<ul style="list-style-type: none"> • Technologies to selectively promote accumulation in bone marrow are desirable
Approach	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 2000
	2) 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
	<ul style="list-style-type: none"> ➤ Techniques to discover small-molecule drugs to control transcription factors
	<ul style="list-style-type: none"> ➤ Techniques to discover small-molecule chaperones
	<ul style="list-style-type: none"> ➤ Techniques to discover small-molecule drugs targeting protein–protein interactions
Approach	3) 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

March-1