

Drug targets: Point of attack for medication

Watch the video “Drug Targets (2014): Drug research has contributed more to the progress of medicine during the past century than any other scientific factor”.

Link: <http://www.mediatheque.lindau-nobel.org/videos/34262/drug-targets>



Exercise 1)

Outline the different points of attack and mechanisms of action of the medications mentioned in the video: *Aspirin*, *prontosil*, *antimetabolites*, *atorvastatin*, *antihistamines/antidepressants*.

Notes

Exercise 2a)

Compare how medications were dealt with in the past and today.

	Earlier	Today
Developing new medications (Drug design)		
Mode of action of medications (Drug target)		

Exercise 2b)

A current trend is described at the end of the video:

[...] The trend is moving away from the traditional “ONE TARGET, ONE DISEASE, ONE DRUG” dogma to a more holistic approach that includes personalised treatment methods...

Compare the advantages and disadvantages of this trend.

Advantages	Disadvantages