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(54) Title: APPARATUS AND METHOD FOR IDENTIFYING THERAPEUTIC TARGETS USING A COMPUTER MODEL

(57) Abstract: Apparatus and method for identifying therapeutic targets of a biological system in a disease state are described. In one implementation, a method uses a computer model of the biological system. The method includes identifying a set of functions of a biological constituent of the biological system. The method also includes executing the computer model in the absence of a modification of the set of functions to produce a first output and executing the computer model based on the modification of the set of functions to produce a second output. The method further includes comparing the second output with the first output to identify the biological constituent as a therapeutic target.

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