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- given statistical distribution within a given probability space is different from all other sets of biological marker(s) characterizing all other statistical distributions within said given probability space, and wherein said given probability space is reflective of the plurality of discrete clinical outcomes associated with a medical condition, medical procedure, therapy, clinical trial, drug discovery, or drug development;
- b. receiving, with the aid of a computer, subject data corresponding to the set of biological marker(s) for each discrete clinical outcome within the given probability space;
- c. calculating, with the aid of a computer processor that executes computer readable instructions to determine the position of the subject data in the given probability

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- space, the position of said subject data in said given probability space based on where said subject data falls within each statistical distribution of said set of biological marker(s) characterizing each said discrete clinical outcome; and
- d. repeating steps b) and c) at various time points to provide an output of a trajectory within said given probability space, wherein said trajectory is indicative of the likelihood of progression to one of the plurality of discrete clinical outcomes.
- 30.** The method of claim 29, further comprising the step of (e) identifying a medical intervention appropriate to achieve or avoid said one of the plurality of discrete clinical outcomes indicated by said trajectory.

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