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Applications of Multidimensional Time Model for PDF to Model Permeability of Plasma Membrane and Transcription of Cytoplasmic DNA for different vaccination trails.

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The new method is based on changes of Cumulative Distribution Function in relation to time change in sampling patterns. Multidimensional Time Model for Probability Cumulative Function can be reduced to finite-dimensional time model, which can be characterized by Boolean algebra for operations over events and their probabilities and index set for reduction of infinite dimensional time model to finite number of dimensions of time model considering also the fractal-dimensional time arising from alike supersymmetrical properties of probability. The new method is based on properties of Brownian motion. Along with chemical problems based on differences between single and multi cell analysis there are statistical problems related to noise models for single-cell transcriptomics and to challenging problems to distinguish genuine from technical stochastic allelic expression that is important in such questions as decomposition of tissues into cell types. The model can be applied to DNA and plasmid DNA sequencing in different vaccination trails.