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A RANDOM WALK IN THE EFFECTS OF BOUNDED-RANDOMNESS IN CELLULAR BIOCHEMISTRY

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ABSTRACT

In this talk I will review, following my personal tastes, some models of the impact of bounded randomness [1], extrinsic and/or intrinsic, in some dynamical systems of interest in biochemistry[2] and intracellular pharmacodynamics [3].

References

- [1] P Manfredi and A d'Onofrio (eds.) (2013) Bounded Noises in Physics, Biology and Engineering, Basel
- [2] S de Franciscis, G Caravagna, G Mauri, A d'Onofrio (2015) Submitted.
- [3] S Puszynsky, A Gandolfi, A d'Onofrio (2014) *The Pharmacodynamics of the p53-Mdm2 Targeting Drug Nutlin: The Role of Gene-Switching Noise*, PLoS Comput Biol , Volume **11(3)** , e1004215.

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