

# Recent Computability Models Inspired from Biology: DNA and Membrane Computing

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**Abstract.** We briefly present two areas of natural computing, vividly investigated in the recent years: DNA computing and membrane computing. Both of them have the roots in cellular biology and are rather developed at the theoretical level (new concepts, models, paradigms of computer science, with mathematical and epistemological significance have been considered in this framework), but both areas are still looking for implementations of a practical interest.

**Keywords:** Computer Science, Mathematics, Turing computability, Biochemistry, DNA computing, Membrane Computing.