

Review paper Blockchain and Holochain.

1. This is a quite interesting paper that, however, needs a bit of improvement, specially since readers need some definitions before starting. I suggest to include these definitions or other that the authors prefer at the beginning of the introduction, for instance after the second paragraph:

- Blockchain can be defined as a mathematical structure for storing data in a way that is almost impossible to falsify. It is a public electronic ledger that can be shared openly among disparate users and that creates an immutable record of their transactions. Each digital record in the thread is called a block (hence the name), and it allows an open or controlled group of users to participate in the e-book. In turn, each block is linked to a specific participant. Blockchain can only be updated by consensus among the participants in the system, and when new data is entered, it can never be erased. There is a true and verifiable record of each and every entry made into the system.

- Holochain is an open source framework for building fully distributed, peer-to-peer applications. Holochain apps are truly serverless applications with high levels of security, reliability, and performance. They are also scalable and thousands of times more efficient than blockchain (no token or mining required). The purpose of Holochain is to enable humans to interact with each other by mutual-consent to a shared set of rules, without relying on any authority to dictate or unilaterally change those rules. Peer-to-peer interaction means you own and control your data, with no intermediary (e.g., Google, Facebook, Uber) collecting, selling, or losing it.

2. Are there already apps available for these technologies in medical education? Maybe some examples of apps may be useful for the readers although they are not in the medical education area.

3. It would be also of help to present some specialized webs where the interested reader might to looking for more information.