

Next steps

After speaking with petriconi, these are the next steps:

1. **Code the BlockChain:**
 - define the structure of the chain;
 - define how to encrypt the data;
 - define how to give incentives to whom will run the blockchain;
2. **State well how the model works:**
 - do we want the patients or the doctors to be the miners? (According with us, it is better if the doctors mine, but the patients are the owners of the chain);
3. **Search information about IOTA:**
 - IOTA is a blockchain organized as a graph, rather than a "line". We need more information about how IOTA works and how we could implement it in our model;
4. **Search information about backward and forward secrecy:**
 - backward and forward secrecy are a way to prevent the doctors from seeing/modifying the whole history of the patient. Physicians should only be entitled to see what is relevant and to mine the blocks related to the diseases/prescriptions they are dealing with, otherwise the doctors could potentially mess up with the blockchain. We do not know how backward and forward secrecy, so we need some research.
5. **Write a final report**

Workload split:

- **Matteo and Edoardo:** Code the BlockChain and state how the model works
- **Ning, He and Francesca:** search information about IOTA and forward/backward secrecy (if they also have ideas about the first two bullet points, they are more than welcome!)