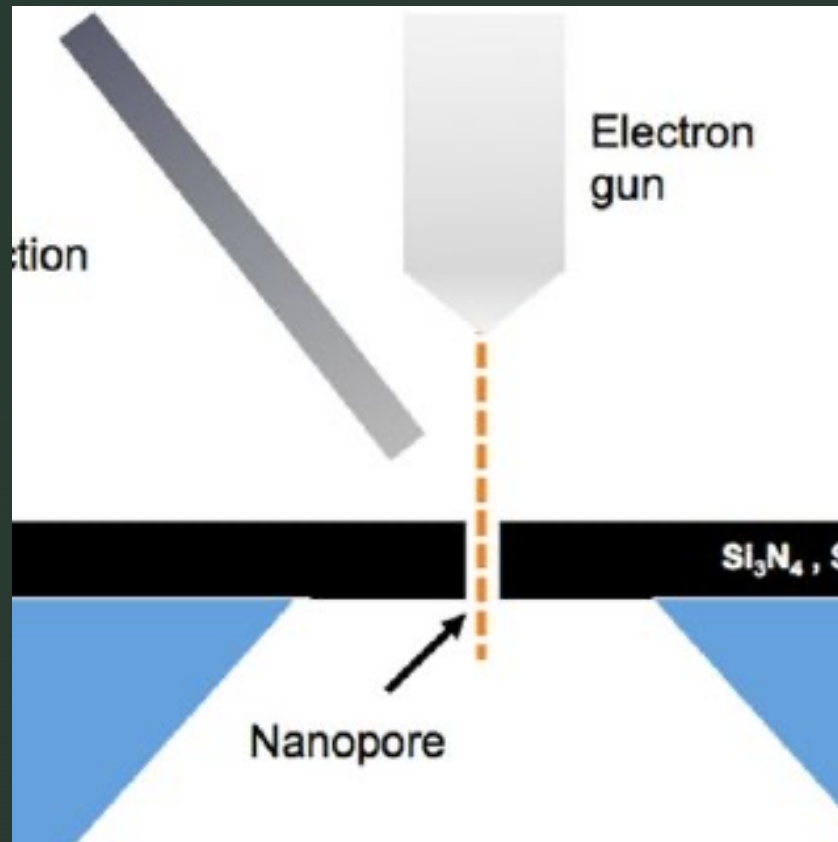


By: Gaël Kraaij

DNA-sequencing with nanopores

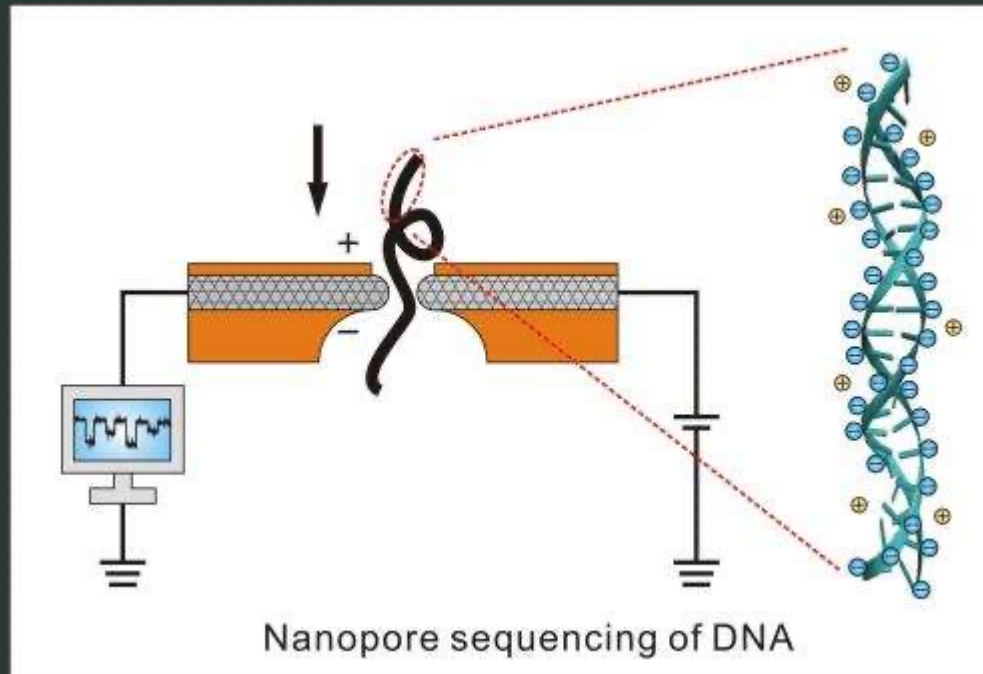
▸ The creation of nanopores

- Electrons are fired at a single layer of Graphene taking out singular C-atoms
- Using this method any particular size of nanopore can be formed



DNA-sequencing with nanopores

- DNA is lead through the nanopore
- Differently sized nucleotides block different amounts of current
- By measuring this current the sequence can be determined



Advantages of DNA-sequencing with nanopores

- Long sequences of DNA can be sequenced in one go
- The method is cheaper and faster than traditional sequencing methods
- RNA can be sequenced without having to convert it to cDNA
- The DNA-sequence can be read live