

# Making technology come alive

How can the building blocks of life make the technology of the future?

Nanotechnology is the power of the small. So what is nano? One nanometre is one billionth of a metre. This is effectively the size of a marble compared to the size of the earth. Nanotechnology is a way of creating unique new devices on the nanoscale.

DNA is the ABC of life. We can manipulate the body's expertise on self-assembly for use in technology. These building blocks can be used as a scaffold to build our own technological structures onto.

These new materials will be much smaller and faster than our current technology. However, to make things smaller we need to the help of something which is already on that scale. DNA can be used as it is measured on the nanoscale so effectively becomes an interface between biology and technology.

iNanotechnology 

Nanotechnology >

DNA

Interface

Ethics – should we?

Nanotechnology



Should we be making technology come to life?

- In our research, we are not using DNA to create any new biology
- Our technology will offer many applications that can help improve tools that can be used from electronics to medicine and from crime to the environment
- However, with new technology, operating standards need to be adhered to, to ensure this new nanotechnology is safe and does not get out of control