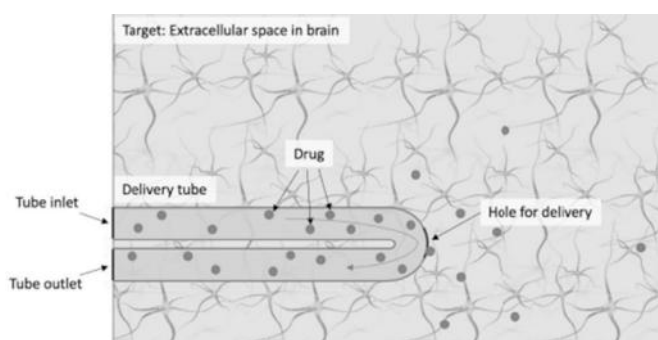


Cellular scale implantable drug delivery device

Implantable drug delivery device to overcome blood brain barrier.

Applications: Drug delivery, Implantable, Neurological



Features	Benefits
A circulation-type arrangement – device inlet and outlet are both located external to the body, with a delivery hole in the implantation area	Results in delivery of the medication via diffusion, rather than convection – hence is more efficient. Only a fraction of the carrier fluid exits the device
Cellular scale size	Mitigates potential for an immune response and allows for long term implantation
Entire device is flexible	For ease of implantation and further reduction in foreign body response
Delivery hole sized and configured for desired molecule	So can be tailored for each specific use
Inbuilt sensors	Can detect the delivery of medication and the condition of a patient

Awaiting patent and Available for

- Co-development
 - Consulting
 - Licensing
-

To find out more, contact enquiries@innovation.ox.ac.uk and quote the project number.

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