

Children's Brain Tumour Drug Delivery Consortium
Accelerating Progress in Drug Delivery



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Workshop on Drug Delivery to the Brain

We held our inaugural workshop on drug delivery to the brain in London (Asia House) on 4 May 2018.



We were joined by 52 delegates, all passionate about advancing translational research into drug delivery to the brain.

Comments made both on the day and since the event have been overwhelmingly encouraging, thus highlighting the need for this type of specialist forum, and the appetite for developing an active 'drug delivery to the brain' network.

You can read the full report on our Brain Tumour Blog <http://www.cbtdc.org/news/blog-workshop.aspx>.

We are keen to build this international network further. If you are interested in joining the consortium, please either add your research details to the [online collaborative research database](#), or sign up to our [mailing list](#).

GDPR

Unless you've had no internet access for the past few months, you will have been inundated with requests to help organisations conform to new data protection legislation.



We were worried by this. Having spent the past year building up this new network we were in danger of losing many contacts. We are very relieved to be able to tell you that we only lost five individuals out of 130!

Thank you for staying with us.

Upcoming Conferences

19-21 July – 8th Annual Symposium of Drug Delivery Systems, Saint Petersburg, Russian Federation

22-24 July – 45th Annual Meeting & Exposition of the Controlled Release Society, New York, USA

16-17 August – 12th Conference on Nanopharmaceutics and Advanced Drug Delivery, Dublin, Ireland

3-4 September – 4th World Congress on Medical Imaging & Clinical Research, London, UK

4-7 September – 5th Termis World Congress, Kyoto, Japan

6-7 September – 4th Conference on Drug Discovery, Designing & Development, London, UK

9-12 September - Polymers in Medicine and Biology, California, USA

12-13 September - 5th Conference on Pharmaceutical & Biomedical Engineering, Singapore

17-18 September – 15th conference on Pharmaceutical Formulations & Drug Delivery, Philadelphia, US

24-26 September – 12th World Drug Delivery Summit, Chicago, USA

A full list of [conferences](#) can be found on our website.

Spotlight

This spotlight features CBTDCC member Dr Sadhana Jackson.

Dr Jackson is an assistant clinical investigator within the Neuro-Oncology Branch (NOB) within the National Cancer Institute (NCI) of the National Institutes of Health (NIH). She leads the Developmental Therapeutics Group, with research interests centred on evaluating the blood-brain barrier (BBB) of malignant gliomas. Sadhana's focus is on transient disruption of the BBB by pharmacologic means, in an effort to improve chemotherapy delivery.



Dr Jackson has experience with the use of brain microdialysis, pharmacokinetic analysis, and utilization of preclinical models to study central nervous system (CNS) pharmacology. She leads collaborative preclinical and clinical studies focused on understanding BBB integrity in normal brain and malignant gliomas in order to develop novel treatment strategies for patients with brain tumors.

In Dr Jackson's words:

'The super selectivity of the BBB is a common challenge to providing effective therapies to the CNS. It poses a great challenge for neurooncologists because while various chemotherapy agents can kill solid peripheral tumors, since they cannot cross the BBB, we're limited in our treatment options.'

'If we could optimize permeability in the favor of these agents for a transient period, we pose that systemic toxicities would be lessened and directed therapies would be enhanced. We are very enthusiastic about our studies and potential for collaborations amongst others aiming to treat varied neurologic diseases.'

More information can be found on Sadhana's [research page](#), twitter [@DrSadhanaJ](#)



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Follow us [@cbtdcc](https://twitter.com/cbtdcc)

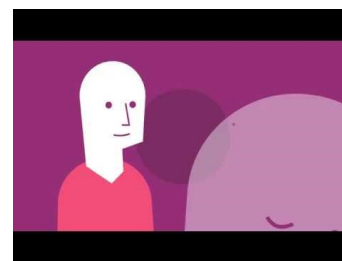
Collaborative research database:

<http://www.cbtdcc.org/research/list.aspx>

Image/video of the month

EDEN2020 aims to develop the gold standard for one-stop diagnosis and minimally invasive treatment in neurosurgery.

The initiative uses surgical robotics to overcome the current technological barriers that stand in the way of real clinical impact.



Video kindly provided by Dr Ferdinando Rodriguez y Baena, [EDEN2020 Project Team](#), [@eden2020eu](#), Imperial College London.

To share an image or video in this newsletter, please [send us](#) the file plus a caption.