

BiOTECH LINKS!

INNOVATION & INDUSTRY

An introduction to the Cubresa BrainPET, the world's first head-specific PET insert for an MRI scanner



CUBRESA

DATE

Wednesday, March 18, 2020
2:00 p.m.

LOCATION

264 Apotex Building
Bannatyne Campus

One of the greatest challenges in brain imaging is understanding what and where pathological processes are occurring with high accuracy and in real time. Despite recent advances in simultaneous brain imaging, notably scanners that combine positron emission tomography (PET) and magnetic resonance imaging (MRI), images still lack the resolution and sensitivity to give physicians confidence when using the data for clinical diagnoses, limiting their usefulness. In addition, whole body systems are expensive and require disruptive infrastructure changes, putting hospital wings out of commission for weeks or months.

There is thus a need for a better way to image the brain, to provide high-quality data to doctors quickly, in a patient-friendly manner, and at a low cost to the healthcare system.

We are developing a head-specific PET insert for an MRI, the BrainPET, as a solution to this problem.

During this presentation, we will introduce the Cubresa BrainPET, including its unique design and specifications. We will cover its anticipated performance, and the resulting benefits to user workflow and data quality in a clinical research setting. We will end with a discussion the clinical applications of the BrainPET, focusing on three diseases whose treatment and management has been revolutioned by PET/MRI, and to which the BrainPET could be applied to great effect.

The Cubresa BrainPET will radically change the way in which hybrid imaging of the brain is performed by neuroimaging centres around the world, and we look forward to introducing this novel Winnipeg-grown system to you.

For more information:

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