




## **BioPharmica Exploration Update Tue, 19 May 2009 16:30:00 +1000 2 months, 3 weeks ago**

19 May 2009 BioPharmica (ASX: BPH) ASX Announcement NZ PATENT GRANTED FOR CORTICAL DYNAMICS Cortical Dynamics, an investee company of BioPharmica Limited is pleased to announce that the patent application "Method of monitoring brain function" No. 541615 has been issued as a patent in New Zealand. Cortical Dynamics is developing a unique depth of anaesthesia monitoring system for use during major surgery.

The core technology is based on real time analysis of the patients electroencephalogram (EEG) using a proprietary algorithm based on a mathematically and physiologically detailed understanding of the brain's rhythmic electrical activity. The theory has been developed by Professor David Liley, who heads the scientific team at Cortical Dynamics located at Swinburne University of Technology. The Cortical Dynamics team have completed analysing the data from the second trial which was designed to evaluate the sensitivity of the BAR methodology to opioids and a number of intravenous anaesthetic agents.

The results of this study have helped to better characterize the performance of the BAR methodology. The successful nitrous oxide trial results were published in the peer reviewed journal Computers in Biology and Medicine (Liley et al, Dissociating the effects of nitrous oxide on brain electrical activity using fixed order time series modeling. Comp.

Biol. Med 2008 38;1121-1130). In order to validate these results arrangements are currently being made to source high quality data for further analysis from a number of clinical anaesthetic research centres in Europe.

Yours faithfully, David Breeze Chairman For more information contact: Mr David Breeze Chairman BioPharmica Limited Tel :  +61 8 9328 8366 A/Prof David Liley MBChB, PhD Brain Research Group, Brain Sciences Institute Swinburne University of Technology Tel:  +61 3 9214 8812 BioPharmica Limited ACN 95 912 002 PO Box 317, North Perth Western Australia 6906 14 View Street, North Perth Western Australia 6006 admin@biopharmica.com.au www.biopharmica.com.au T:  +61 8 9328 8366 F: +61 8 9328 8733 .

### **Current Price**

**Code:** BPH **Price:** \$0.039



Share Price last 60 days

### **Company Profile**

#### **About BioPharmica**

Phone:  (08) 9328 8366

Fax: (08) 9328 8733

GIGS : Pharmaceuticals, Biotechnology & Life Sciences

Shares on Issue : None

**Profile:** BioPharmica Limited (BioPharmica) is an Australia-based company dedicated to the ideals of personalized medicine through the applied development of discoveries made from fundamental research. The Company is working to commercialize a portfolio of Australian biomedical research projects with universities, medical institutes and hospitals targeting global markets. BioPharmica has a range ...