



July 30, 2008

Gerwin Schalk, Ph.D.
Laboratory of Nervous System Disorders
Division of Genetic Disorders
Wadsworth Center
New York State Department of Health
E1001 Empire State Plaza
Albany, NY 12201

Dear Dr. Schalk,

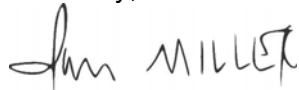
I wanted to thank you and your team for the assistance you've provided over the past eight months as we have implemented a BCI2000 system at the [Miami Children's Brain Institute](#) for use in functional mapping.

Since our exposure to BCI2000 and the SIGFRIED mapping application at the American Epilepsy Society Annual Meeting in December of 2007, we have recognized its potential to profoundly improve clinical care. With pediatric patients, in particular, the prospect of having a *passive* system to precisely localize language function has tremendous value. Not only does it enable [functional mapping](#) to be done in a wider group of patients, but it improves on conventional mapping by having no risk of inducing a seizure, and by evaluating all of the electrodes in parallel.

Given how powerful the software is, it was nothing short of incredible that we were able to get a system up and running within five months, and with so little assistance. Certainly we could not have done it without your input, but the fact that it only took a few conversations on the phone (spanning about 15 hours in total) is nothing short of amazing. As a clinical center which strives for rapid translation of advancements in neuroscience, BCI2000 is unique in how quickly it could be put into routine clinical service. Each of the six patients with whom SIGFRIED mapping was performed have benefited by shortening the time required for conventional mapping, and by adding certainty to the final functional map.

Going forward, the BCI2000 ecosystem looks just as vibrant. Your recognition of the importance of good documentation (including the [wiki](#)), and the availability of the BCI2000 workshops, and open development model helps ensure that the community will remain strong and continue to grow. I am excited about the prospect of broadening our collaboration to include research projects that would not be possible without the BCI2000 system, and developing new ways to apply the exciting technologies you are developing.

Sincerely,



Ian Miller, M.D.