Brain Products has been a market leader in amplifiers, electrode caps and software for EEG/fMRI co-registrations for more than a decade now. More than 300 pubmed-listed publications have used our EEG/fMRI equipment over this period (see www.brainproducts.com/references.php), emphasizing that we not only provide the equipment, but we also have experience and can offer competent support in this field.

Combining EEG/fMRI safely and conveniently for the subject and the researcher as well as ensuring good signal quality requires taking many aspects into account. To give you an insight into this we collaborated with long-time customers Karen Mullinger and Richard Bowtell (University of Nottingham, Sir Peter Mansfield Magnetic Resonance Centre) as well as JoVE (Journal of Visualized Experiments). The result of this project is a video and detailed protocol on the “Best Current Practice for Obtaining High Quality EEG Data During Simultaneous fMRI”.

As you know, EEG data acquired during simultaneous fMRI are affected by several artefacts. Post-processing methods for successfully correcting them require a number of criteria to be met during data acquisition. Based on their research, Karen Mullinger and Richard Bowtell describe an experimental set-up in the video which provides high quality EEG data during simultaneous fMRI while minimising safety risks to the subject. The video will be published shortly at JoVE’s website: www.jove.com