**NENS Stipend for Training Stay**

It was my honor to receive the NENS stipend for the training stay at Institute of Psychiatry (IoP), King’s College London from 17th of June to 23rd of July 2008. Prof. Klaus Mathiak and Dr. Quinton Deeley provided the supervision for the training stay. The purpose of this training stay was to establish the cooperation with the Section of Brain Maturation at IoP and to discuss potential projects studying the emotional processing in individuals with autism spectrum disorder using magnetoencephalography (MEG).

The research of the Section of Brain Maturation at IoP focuses on applying functional Magnetic Resonance Imaging (fMRI) to study the neuro-development of healthy individuals as well as individuals with Autism Spectrum Disorders (ASD). It is a multidisciplinary research group with multi-centered projects. My training stay first included data analysis of my current multisensory emotional project together with Prof. Klaus Mathiak. Later the results were presented in the Section of Brain Maturation to Dr. Quinton Deeley and Prof. Declan Murphy. Based on the preliminary results of my projects, we have further discussed the opportunity of applying multisensory emotional paradigm to study the emotional processing in individuals with ASD. Since many fMRI studies have already conducted regarding this aspect, it would be essential to combine fMRI with electrophysiological methods to study the functional connectivity of the integration of multisensory emotional information. So far there were only few studies combining multimodality imaging method to study functional connectivity deficits in individual with ASD. To have a more thorough understanding of the cognitive profile in individuals of ASD, it would be ideal to establish a cooperation projects using the MEG and fMRI to study the phase synchronization of the emotional processing. It will be further discussed about how to combine resources from IoP, RWTH Aachen University, and Research Center Jülich to form a multi-centered research projects.

Yu-Han Chen, 2nd of August 2008, Aachen