



Summary of Activities, 2010-2012 Academic Year: *The Clinical Center of Neuroscience and Behavior (CCNB) at National Taiwan University Hospital (NTUH).*

Under a strategy designed by the administrative authority at National Taiwan University (NTU), the National Taiwan University Hospital (NTUH) Clinical Center of Neuroscience and Behavior (CCNB) was established on the 27th of May, 2011. The Center was launched with the active encouragement and coordination of Professor Ming T. Tsuang, Vice President Tai-Jen George Chen (陳泰然) and Professor Alu (Fon-Jou) Hsieh (謝豐舟). It falls under the institutional auspices of Superintendent Ming-Fong Chen (陳明豐) of NTHU. The CCNB is a functional institution which, along with the NTU Neurobiology and Cognitive Science Center (NCSC), and the Graduate Institute of Brain and Mind Science (GIBMS), forms an institutional pillar of NTU's Brain and Mind Science project. The CCNB was provided with a working space (Room 0806 at NTUH), and a secretary for administration/coordination, who will remain under the directorship of NTUH Deputy Superintendent Shier-Chieh Huang (黃世傑).

The idea of the Taida Brain and Mind project was initiated during a brain storming session on the 13th of November, 2009 at the office of NTU Vice President Tai-Jen George Chen (陳泰然). This meeting was attended by Professor Ming T. Tsuang, Vice President Tai-Jen George Chen (陳泰然), Professor Alu (Fon-Jou) Hsieh (謝豐舟), Professor Hai-Gwo Hwu, and Professor Chun-Tung Yen. The establishment of the CCNB at NTUH is a crucial cornerstone for the sound development of the NTU Brain and Mind Project. The project endeavors to integrate the disciplines of neurobiology, cognitive science, clinical neuroscience as well as psychiatry, within the six colleges of NTU.

The mission of the CCNB is to integrate and collaborate (inter and extra-institutionally) on various fields of clinical neuroscience and psychiatry. In order for NTUH to excel and maintain its position as one of the premier medical centers in Taiwan, continuous progress and development in research, teaching and medical services are necessary. The field of clinical neuroscience has many specific, independent disciplines- for example, neurology, neurosurgery, psychiatry, pediatric neurology, neuro-rehabilitation, neuro- audiology, neuro-ophthalmology, neuro-imaging, neuro-nuclear medicine, and neuropathology. The lack of integration and coordination within the field of clinical neuroscience appears to reduce its scientific momentum. This is especially deleterious when considering the rapid progress of brain and mind science worldwide.



The Taida Brain and Mind project will be highly enriched by the inclusion of the CCNB as it will provide abundant clinical data in various fields of clinical neuroscience and behavioral medicine. It will also provide follow-up clinical information from initial examinations to final outcomes, and accommodate various level of pathological information from micro-molecular/genetic levels to system-brain-imaging and anatomical-pathological levels. The abundant clinical data bank and clinical patient population will furnish an excellent background for developing a superlative translational research platform {in collaboration with the Neurobiology and Cognitive Science Center (NCSC) and the Graduate Institute of Brain and Mind Science (GIBMS)}.

The foresight of the NTU's authorities, the support of the administration of the NTUH, the commitment of the integrated, collaborative members of the CCNB from all specific fields of clinical neuroscience and behavior medicine will assist in helping the CCNB to fulfill its mission.



For better communication and distribution of information among the faculties of CCNB, GIBMS, NTUH and NCSC, CCNB Newsletter was first launched on May 17, 2011. Professor Hon-Man Liu is the Editor-in-Chief. In addition, for coordination and promotion of activities in CCNB, Professors Ruey-Meei Wu (吳瑞美) and Yong-Kwang Tu (杜永光) are assigned as vice directors of the CCNB on Jun 17, 2011. Their enthusiastic contribution to CCNB under the supervision of Deputy Superintendent Shier-Chieh Huang makes the CCNB have prosperous achievements in the past one year.

Deputy Superintendent Shier-Chieh Huang has proposed the concept of the establishment of CCNB Organization and Structural Scheme in the first Executive Meeting of CCNB in Jun 27, and assigned Professor Ruey-Meei Wu to establish proper organization scheme for the Center. In second Executive Meeting in Aug 8, there was preliminary consensus about the organization scheme for the Center. In Oct 2011 (the 4th Executive Meeting of CCNB), the structural scheme of the CCNB is finalized, and is divided into nine multi-disciplinary teams, including Team for Cerebrovascular diseases (led by Yong-Kwang Tu 杜永光), Team for Neuro-Oncology (led by Han-Min Tseng 曾漢民), Team for Electrophysiology and Functional Modulation Therapy of Neurological Disorders (led by Chung-Chin Kuo 郭鐘金), Team for Neurotrauma and Rehabilitation (led by Yen-Ho Wang 王顏和), Team for Neuropsychiatry and Behavior (led by Hai-Gwo Hwu 胡海國), Team for Neurodegeneration and Dementia (led by Ruey-Meei Wu 吳瑞美), Team for Child Neurological Diseases (led by Wang-Tso Lee 李旺祚), Team for Child Mental Health Center (led by Susan Shur-Fen Gau 高淑芬), and Team for Pain Research (led by Wei-Zen Sun 孫維仁).

The CCNB had organized a lot of activities in the past one year under the coordination of CCNB and NTUH. To promote the care and researches related to Pediatric neuromuscular diseases, the CCNB also began to run a "Pediatric neuromuscular joint clinic" in Sep 19, 2011, and held an international conference "Current Progress in Research and Clinical Care for Neuromuscular Disorders" in Oct 29-30, 2011 under the organization of Dr. Wang-Tso Lee. In Oct 2011, the CCNB also organized a "Cerebrovascular accident educational team" led by Professor Zei-Shung Huang (黃瑞雄). The team has a great contribution to public education about cerebrovascular accidents. In Nov 26-27 2011, the CCNB and Department of Neurology held a training program for advanced neurological life support.

To promote mutual communication and collaboration, Taida-IBMP (Integrated Brain and Mind Project) Meeting, which is a meeting for mutual exchange of



knowledge and experience in both clinical and research fields among CCNB, GIBMS, and NCSC, was first held in Dec 20 2011. The main aims of the meeting are to generate a platform for mutual discussion and stimulation, and the meeting is expected to sparkle with novel ideas and generate mutual cooperation for CCNB in the future. Total three times of meeting had been held in the past 6 months, and in last meeting in May 22, all attendees reached a consensus to establish “Taida-IBM Project Fellowship” proposal, which will be integrated by Professor Yong-Kwang Tu. In the meeting, a Taida-IBM Project secretary committee temporally led by Professor Hai-Gwo Hwu was also launched. They will begin to plan to hold an integrated Neuroscience symposium in Nov 2012.

The faculties of CCNB also actively play important roles in international neurological congresses held in Taiwan in the past one year. In Mar 25-27 2011, the 3rd Asian and Oceanian Parkinson’s Disease and Movement Disorders Congress was held in Taipei, Taiwan, and Professor Ruey-Meei Wu was the Congress President. In Dec 2-4 2011, 13th Asian Australasian Congress of Neurological Surgeons was held in Taipei, Taiwan, and Professor Yong-Kwang Tu was the Congress President. In April 20-22, 2012, the 9th Meeting of Asian Society for Neuro-oncology was held in Taipei, Taiwan, and Dr. Han-Min Tseng was the Congress President. Several members of CCNB were invited speakers in these international congresses in Taiwan. Their enthusiastic contribution to the international activities will shed light on the future of CCNB.