

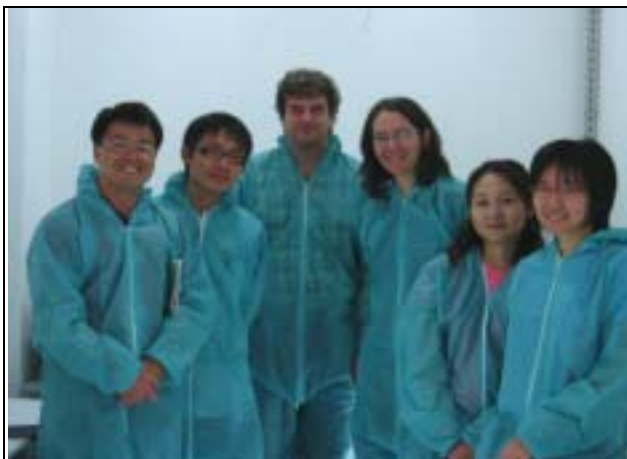
2006 國科會德國國際合作人員交流 PPP 計畫

2006 Project Based Personnel Exchange Programme

何應瑞博士訪問德國合作單位

Dr. Ho visiting Germany

From 6th of Aug. to 28th of Aug. 2006



Dr. Ho's group, visited Department of Psychopharmacology, Central Institute of Mental Health, Mannheim



Visited Dr. Barbara Vollmayr's Lab



Visited animal room



Scientific presentation in Marburg University



Visited Prof. Rainer Schwarting



Personnel interaction in Marburg University

Dr. Ho and his group visiting Germany

First of all, it needs to be mentioned that the project leader from the German side, Dr. Pawlak, changed job position in May 2006, moving from Marburg to Mannheim.

Therefore, the first out of three mutual visits from Taiwan to Germany and vice versa took place in August when 5 persons altogether, incl. the project leader **Dr. Ho**, visited Mannheim. In this first meeting, general agreements were thoroughly discussed and further specified: Which experiments should be carried out separately, and which work should be combined? Additionally, all visitors were shown around different laboratories in the Central Institute of Mental Health and thus interacting with different scientists: Dr. Barbara Vollmayr (learned helplessness); Dr. Peter Gass (depression); Prof. Dr. Rainer Spanagel (drug addiction); Prof. Dr. Dusan Bartsch (previously member of the nobel prize winning laboratory of Eric Kandel). The visits provided information about sophisticated methods of behavioural analyses in rodents, the generation of conditional mice and rats, the systematic training of observational methods and the interpretation of rodent behaviours. Other involvement included scientific discussion and practical problem solving within a project of Dr. Ainhoa Bilbao Leis concerning the methodological problems to measure anxiety-related behaviour with the marble burying test.

A visit and interaction with the laboratory of Prof. Dr. Rainer K.W. Schwarting, Marburg, and the Taiwanese side was initiated. Previously, both Dr. Ho and Dr. Pawlak had worked in this laboratory. This visit was essential since the undergraduate student Yoan Mihov, Marburg, was preparing for his visit to Taiwan. The PhD student Britta Karrenbauer in Marburg from Dr. Pawlak and other students from the joint collaboration were meeting the Taiwanese group in a scientific meeting, when further project plans were discussed. **Dr. Ho** gave two talks; one each in Mannheim and Marburg. Next to the scientific part, both groups engaged in leisure activities and travelling, which strengthened the cooperation even further.

Dr. Cornelius Pawlak visiting Taiwan

From 10th of Nov. to 18th of Nov. 2006

	
Dr. Pawlak visited Dr. Ho's Lab.	Dr. Pawlak visited Dr. Ho's Lab.
	
Personnel and culture interaction	Personnel and culture interaction
	
	

	
Personnel and culture interaction	Personnel and culture interaction

Due to unforeseen problems, Dr. Pawlak's trip to Taiwan in November lasted only 10 instead of 25 days. One major goal was to learn more about molecular methods. Within an experiment, protein evaluation by using Lowry method and 96-well plate to detect interleukin-2 levels in the hippocampus tissue by ELISA was accomplished. This experiment examines the protein levels of interleukin-2 in different brain tissues upon exposure to an active avoidance test.

Dr. Pawlak also visited the Animal Centre of the Chung Shan Medical University. Further extensive planning together with Dr. Ho involved the discussion of the way of transportation of experimental samples, and the visits of students of the PPP project in the next year as well as the application for the **"Tsungming Tu Award"** that offered by the NSC, <http://www.nsc.gov.tw/tech1/lp.asp?ctNode=1642&CtUnit=1190&BaseDSD=7> to elaborate the interactions between both partners. Also, interactions with scientists like Prof. Dr. Yuan-Feen Tsai (Dept. of Physiology, College of Medicine, National Taiwan University), Dr. Yung-Kai Lin (Dept. of Animal Science, Chinese Culture University), Dr. Jay-Shake Li (Dept. of Psychology, National Chung Cheng University), and Dr. Li-Sung Hsu (Dept. of Biochemistry, Chung Shan Medical University) were performed.

One major event was that we held the **"International Symposium on Psychoneuroimmunology and Gene Expression"**. There were three talks and a number of attendants (please see the attachment). Dr. Pawlak was also interacting with students in a psychology seminar, offering a lecture "Introduction to the education system in Germany". Next to the scientific part, both groups engaged in leisure activities and short brief visiting tours which strengthened the cooperation even further, visiting the National Palace Museum and National Park of YanMinSan; attending student's extracurricular activities in the campus, garden party, evening, and art exhibition; welcome BBQ; family dinner; shopping in the International Stress in Tai-Chung City; visiting Nantou County and Chang-Hua County, looking around the traditional market. Culture Shock: interview the Betel Nut Spicy, also being called as Betel nut Beauties, knowing one of the most addict drugs in Taiwan

Yoan Mihov visiting Taiwan

From 4th of Sept. To 14th of Sept. 2006

In September, the undergraduate student Yoan Mihov visited the laboratory of Dr. Ying-Jui Ho for 10 days. He was involved in various laboratory activities at the Chung Shan Medical University,

Taichung City. The most important part was to get an introduction to the theoretical background and practical application of the enzyme-linked immunosorbent assay (ELISA) technique under the close supervision of Yen-Ti Lee and Sheng-Yao Tai. This technique is essential for the ongoing projects between both partners. He visited the Instrument and animal Centre of the Chung Shan Medical University. Several scientific interactions were arranged with the Taiwanese project leader Dr. Ho, Prof. S.L. Huang (School of Psychology, Chung Shan Medical University), Prof. C.W. Cheng (Institute of Biochemistry and Biotechnology, Chung Shan Medical University), Dr. T.F. Tai (Director of the Meat Quality Analytical Section, Technical Service Centre, National Animal Industry Foundation, Ping-Tung). Mr. Yoan Mihov also thoroughly discussed with undergraduate and graduate students issues such as statistical fallacies, behavioural testing procedures used in the German laboratories, the higher education system of Germany and Bulgaria in comparison to Taiwan. He also encouraged Taiwanese students to make much more use of their English language skills. Additionally, an initiative was started for a Parkinson's disease information database for patients in Chinese, German and Bulgarian, as a form of free high-standard up-to-date public service, emerging from international scientific collaboration and aiming at providing this particular group of patients with thorough, and yet accessible knowledge of their disease, its therapy forms, and their scientific development. Finally, apart from the scientific part, both groups engaged in leisure activities and travelling in Taichung City, Taipei, and other locations, which intensified the cooperation.

心理神經免疫學暨基因表現 國際學術研討會

International Symposium on Psychoneuroimmunology and Gene Expression

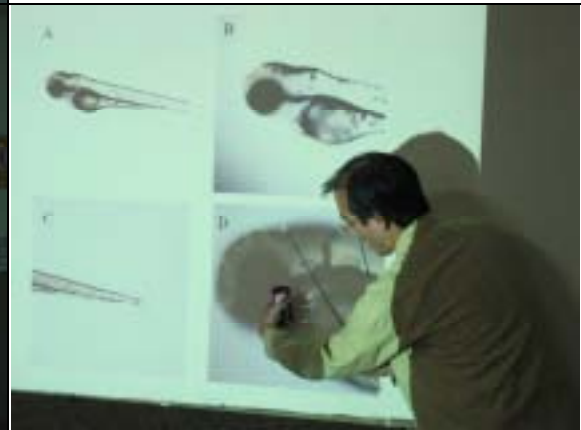
	Topic	Speaker
1	Psychoneuroimmunology: Behavior and Cytokine	Dr. Cornelius Pawlak Central Institute of Mental Health, Heidelberg University
2	Effects of D-cycloserine on The Cognitive Dysfunction in Dementia of Parkinson's Disease	Dr. Ying-Jui Ho School of Psychology, CSMU
3	Gene Expression in Zebra Fish	Dr. Li-Sung Hsu Institute of Biochemistry, CSMU

Time: 14:00; 14th of Nov., 2006

Place: Lab. Of Biopsychology, CSMU

Sponsors: School of Psychology, CSMU (中山醫學大學 心理學系)
Project-Based Personnel Exchange Program (PPP Program)
Between the NSC and DAAD
(國科會與德國國際交流總署「國際人員交流計畫」)

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Attendents

Name of Attendents	Affiliation
Dr. Cornelius Pawlak	Central Institute of Mental Health, Heidelberg University
Dr. Ying-Jui Ho (何應瑞); Sheng-Yao Tai (戴聖耀); Yen-Ti Lee (李妍緹)	School of Psychology, CSMU
Ms. Fen-Fen Shih (石芬芬); Pei-Jun Tsai (蔡佩君)	School of Nursing, CSMU
Dr. Li-Sung Hsu (許立松); Dr. Chun- Wen Cheng (鄭鈞文)	Institute of Biochemistry, CSMU
Chang-Hao Chen (陳昶豪)	Institute of medicine, CSMU
Dr. Shey-Lin Wu (巫錫霖); Dr. Wen- Fu Wang (王文甫); Psychologist Yao- Ting Huang (黃耀庭); Dr. Sy Hiu Ngar (施曉雅)	Dep. of Neurology, Chang-Hua Christian Hospital
Dr. Jay-Shake Lee (李季湜)	Dep. Psychology, Chung Cheng University