

出國報告（出國類別：其他）

參加「第十屆中藥全球化聯盟年會  
CGCM (The 10<sup>th</sup> Annual Meeting Of the Consortium for Globalization of  
Chinese Medicine) 」

出國報告

服務機關：行政院衛生署中醫藥委員會

姓名職稱：黃林煌主任委員

派赴國家：上海

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## 壹、目的

中醫藥的使用已遍佈世界 160 多個國家和地區，中醫藥秉承陰陽平衡和諧的防治原則，具有防治手段多樣化、用藥取向天然化等特色，越來越多的國家和地區居民選擇中醫藥作為醫療保健手段之一。也唯有和現代藥學、生物技術有機結合，在國家重視民生和大力推進醫改的形勢下，順應了當今健康觀念和醫學模式轉變的要求，中醫藥產業方具有良好的成長性。故堅持在中醫藥理論指導下展開中藥研發，中醫藥同源相生、密不可分，中醫藥的理論和診療技術都是從臨床而來，中藥都是根據臨床處方、院內製劑的基礎上研製的，中醫藥名醫都是在臨床實踐中培養出來的，中醫藥的整體觀、傳統辨證論治的思想，強調複方用藥、用藥講究君臣佐使，這些都是中藥研發的基礎。中醫藥必須加強多學科、多領域的聯合，在認識、挖掘中醫藥科學內涵的基礎上加以發展，打通制約中醫藥發展的體制機制、技術和學術難點等。另外堅持和加強中醫藥研究新思路、新方法的探索，現在中醫藥研發成果多，方法少。加強中藥新藥品種研發創新，中藥進入世界藥品主流市場的道路，必須加緊挖掘有重要價值的經方驗方，推動中藥進入世界藥品主流市場。

相信中藥在疾病防治、身體保健等方面不僅是輔助，也可以成為領導。在第十屆中藥全球化聯盟會議上，來自全球各地的中藥領域專家學者發出了如上聲音。耶魯大學藥理系講座教授鄭永齊則認為，要讓中藥在治療、保健方面發揮主導作用，必須加強學術界、企業界和國內政府的緊密合作，並表示中草藥市場至今沒有在國際市場上占到應有的份額，是因為沒有真正做到將中藥從經驗藥方轉變為科學處方。為此，鄭永齊提出讓中藥走向世界的步驟，即解決中藥配製的均一性問題，嚴格臨床試驗，深入研究中藥發生作用的機理。據悉在現階段美國食品藥品監督管理局（FDA）的審核標準中，中草藥並不屬於正規處方藥物，而是被列在健康食品之中作為輔助。在國際市場上，中藥只能被當作進補強身的保健品，而非必要的良藥。前不久實行的歐盟准入標準，也讓中藥難登歐洲主流市場。與此同時，現代西方醫學在對一些疾病，諸如癌症、心臟病等研究中遭遇瓶頸，使得西方科學中慣用的“單靶點~單一化合物”的新藥研發模式受到挑戰，科學家開始逐漸運用“多靶點~多個化合物”模式研發新

## 貳、過程

2011 年「中藥全球化聯盟」研討會於 8 月 26-28 日在上海中醫藥大學舉行，由上海中醫藥大學及同濟大學聯合承辦，該會議提供一個平臺，讓各個不同地區的專家學者，公司和政府部門等在中醫藥各方面做最新發展之交流。現在世界各國已逐漸注意、肯定傳統中醫藥的療效，進兒推動中醫藥現代化、全球化正是天時、地利、人和。然以目前國內臨床及研究看來，中西醫之整合仍有一段落差及困難。此次在會議上欣見許多國家之參與，除亞洲地區中國(北京、上海、香港)、台灣、韓國、新加坡外。亦有西方人士：英國、美國、加拿大、義大利等國之參與。會議涵蓋了數個重要主題，包括

1. Herbal Resources I ( Cultivation and Herbal Quality);
2. Biological Activities and Mechanism Study( including metabolic, Neural Disease and Aging process)
3. Clinical Trial ( Cancer ,Liver Disease and Inflammation)
4. Acupuncture
5. Objective and standard assessments of diagnosis in TCM
6. Bioinformatics and database( Application of “Omics” and TCM Research)
7. Integration of Chinese Medicine education within conventional medicine education globally
8. The use of EBM/EBL and PBL in Chinese Medicine teaching

此次會議討論中我國中研院農生中心楊寧蓀實驗室中對中草藥科學相關研究，在此研討會即提供機會給予產、官、學等多方研發人才有機會藉由此一國際研討會聚會在一起，並將在全球各地從事中草藥相關工作人員報告其中草藥研究發展結果、相會分享討論並對各自研究研究成果進行意見交換，同時也開啓區域或產業垂直整合的機會。此次研討會該實驗室不僅向參與人員報告該中心最新研究結果並與會人員討論獲得寶貴意見。會議中，楊寧蓀負責主持中草藥在癌症防治上作用機制之 Session，共約 2.5 小時，參與會者大約接近百人，引起討論熱烈，會議中共有 10 人進行 oral presentation。另一類似之 Mechanism Session 則由中研院農生中心徐麗芬老師擔任主持，中研院農生中心楊寧蓀實驗室其相關研究成果亦被大

## 參、心得

CGCM 其首要目的就是建立起中醫藥國際化共識，中藥全球化聯盟於 2003 年成立，旨在聯合全球資源，推動中藥的現代化，並將中藥在全球範圍內推廣，惠及全人類。中藥全球化聯盟發起人、耶魯大學藥理系講座教授鄭永齊認為，要讓中藥在治療、保健方面發揮主導作用，必須加強學術界、企業界和國內政府的緊密合作。鄭永齊教授表示，中草藥市場至今沒有在國際市場上占到應有的份額，因為沒有真正做到將中藥從經驗藥方轉變為科學處方。為此，鄭永齊提出讓中藥走向世界的步驟，即解決中藥配製的均一性問題，嚴格臨床試驗，深入研究中藥發生作用的機理。

在國際市場上，中藥只能被當作進補強身的保健品，而非必要的良藥。與此同時，現代西方醫學在對一些疾病，諸如癌症、心臟病等研究中遭遇瓶頸，使得西方科學中慣用的“單靶點——單一化合物”的新藥研發模式受到挑戰，科學家開始逐漸運用“多靶點——多個化合物”模式研發新藥，而這正好同秉持系統化理念的中醫藥不謀而合。“中藥不僅能治病，也能預防疾病，還能調理，這本身就形成了一條較完整的鏈條。更希望中藥未來不僅能作為“輔助”，它也可以在治療疾病的過程中充當“領導”。在該次會議上來自全球各地的中藥領域專家學者發出了聲音。

不難發現在中草藥的研究及現代化及中西醫整合的過程中，最為困難的仍是標準化及實證醫學之部分，因勢必有一共同之定義，在研究之過程中才有辦法與現代醫學接軌及對話，此亦為目前國內對證型之研究中所面臨之困難，而生物標記之應用則近年來由於分子生物於臨床醫學研究中之蓬勃發展。中草藥及天然化合物以其在生物科技及臨床醫學之新秀，代開發之姿態成為整合醫學研究之新潮流。與會中與來自北京之教授醫師們交流，則不難發現於大陸整合醫學已行之有年，於台灣則以西醫為主之主流環境而言，研究則仍以實驗室背景及生物科技及針灸相關居多，故未來仍有許多對話交流的空間。能見識同樣是“以人為中心”的醫學，另一種不同的聲音及觀點，甚至研究方法，為此行最大之收穫，期待傳統與現代醫學的融合，在衝突與磨合中和諧前進。



# 10th Meeting of the Consortium for Globalization of Chinese Medicine

Shanghai, August 26-28, 2011

## Program-at-a-glance

August 25, 2011 (Thursday)			
14:00 – 16:00	<b>Education Pre-meeting Workshop 1: Integration of Chinese Medicine education within conventional medical education globally</b>		
16:00 – 16:30	Break		
16:30 – 18:00	<b>Education Pre-meeting Workshop 2: The Use of EBM/EBL and PBL in Chinese Medicine Teaching</b>		
17:30 – 19:30	Cocktail Reception		
August 26, 2011 (Friday)			
08:00 – 09:00	Registration		
09:00 – 10:00	Opening Ceremony		
10:00 – 12:20	President's Forum		
12:20 – 13:45	Delegate Lunch and Working Lunch for Joint Meeting of Executive Council Members and Advisory Board Members		
13:45 – 15:45	Regulatory Affairs	Interregional Collaborations in Industry and Academia	
15:45 – 16:00	Break		
16:00 – 18:30	Herbal Resources I (Cultivation and Herbal Quality)	Biological Activities and Mechanism Study I (Cancer)	
19:00 – 21:00	Welcome Dinner		
August 27, 2011 (Saturday)			
09:00 – 11:30	Herbal Resources II (Identification and Manufacturing)	Biological Activities and Mechanism Study II (Metabolic, Neural Diseases and Aging Process)	Clinical Trial I (Cancer, Liver Disease and Inflammation)
11:30 – 13:00	Delegate Lunch and Working Lunch for Joint Meeting of Executive Council Members and Advisory Board Members		
13:00 – 15:30	Herbal Resources III (Natural Products and Biological Activities)	Biological Activities and Mechanism Study III (Metabolism and Drug Interaction)	Clinical Trial II (Other Diseases and Safety)
15:30 – 15:45	Break		
15:45 – 18:15	Acupuncture	Biological Activities and Mechanism Study IV (Cardio, Viral and Other Diseases)	
18:45 – 20:45	Dinner		
August 28, 2011 (Sunday)			
08:30 – 11:00	Objective and Standard Assessments of Diagnosis in TCM	Bioinformatics and Database (Application of "Omics" in TCM Research)	
11:00 – 11:10	Break		
11:10 – 12:50	Summary Reports of Discussion Sessions		
12:50 – 13:50	Lunch		
13:50 – 16:10	Close-door Meeting		
16:10 – 19:00	Visit institutes in Shanghai		
19:00 – 21:00	Dinner		

### 10th CGCM Meeting - List of Accepted Abstracts

No.	Acupuncture	Institute	Region	Corresponding Author
001	Clinical Study of Intervening Impaired Glucose Tolerance by Auricular Vagal Nerve Stimulation	China Academy of Chinese Medical Sciences	Beijing	Pei-Jing RONG
002	Effect of Electroacupuncture of Auricular Concha on Inflammatory Reaction in Endotoxaemia Rats	China Academy of Chinese Medical Sciences	Beijing	Pei-Jing RONG
003	Exploring the Mechanism of Auricular Acupuncture for Epilepsy	China Academy of Chinese Medical Sciences	Beijing	Pei-Jing RONG
004	Research Advancement on Depression Treatment by Auricular Vagal Nerve Stimulation	China Academy of Chinese Medical Sciences	Beijing	Pei-Jing RONG
005	Acupuncture Treatment of Simple Obesity may Work via a Mechanism of Superoxide Modulation along the Meridians	Fuzhou University	Fujian	Ping-Fan RAO
006	Regulation of the Cardiovascular Function by CO <sub>2</sub> -laser-stimulation in Anesthetized Rat	German-Chinese Research Foundation for Traditional Chinese Medicine	Germany	Wolfgang SCHWARZ
007	Lung Function Test as a Tool of Acupuncture Research for Objective Pain Measurement	Heidelberg School of Chinese Medicine	Germany	Henry Johannes GRETEN
008	Objective Measurement of TCM Diagnostic Features and Acupuncture Effects by O <sub>2</sub> C	Heidelberg School of Chinese Medicine	Germany	Henry Johannes GRETEN
009	Ancient Text Study on the Prescriptions about Zu Sanli (ST36) and other Acupoints	Guangzhou University of Traditional Chinese Medicine	Guangdong	Wen-Bin FU
010	The Effects of Acupuncture on Behavioral Responses and cAMP-PKA Signaling Pathways in Hippocampus of Rats Exposed to Chronic Unpredictable Stresses	Guangzhou University of Traditional Chinese Medicine	Guangdong	Wen-Bin FU
011	Professor Fu Wenbin's Experience in Clinical Application of Eye-Acupuncture in Treating Acute Gouty Arthritis	Guangzhou University of Traditional Chinese Medicine	Guangdong	Wen-Bin FU
012	Assessment of the Reporting Quality of Randomized Controlled Trials on Acupuncture for Cervical Spondylotic Radiculopathy with the CONSORT 2010 Statement and STRICTA	Guangzhou University of Traditional Chinese Medicine	Guangdong	Zhong DI
013	Potential Mechanism for Chinese Scorpion Relieving Neuropathic Hypersensitivity	Hong Kong Baptist University	Hong Kong	Hong-Qi ZHANG
014	Experimental Studies of Auricular Acupuncture in Treatment of Inflammatory Pain	Hong Kong Baptist University	Hong Kong	Shi-Ping ZHANG
015	Effects of Acupuncture on Endothelial Dysfunction in Spontaneously Hypertensive Rats	The Chinese University of Hong Kong	Hong Kong	Zhi-Xiu LIN
016	Acupuncture and Needle-stimulation, Different Concepts and Different Methods	The University of Hong Kong	Hong Kong	Lei LI
017	Conception, Governor and Thoroughfare Vessels are One	The University of Hong Kong	Hong Kong	To YAU
018	The Clinical Study of Tian Jiu Therapy on Treating Asthma	The University of Hong Kong	Hong Kong	Wei ZHANG
019	Dense Cranial Electroacupuncture Stimulation Enhances the Antidepressant Efficacy in the Early Phase of Fluoxetine Treatment of Major Depression: A Randomized Controlled Trial	The University of Hong Kong	Hong Kong	Zhang-Jin ZHANG
020	Neural Acupuncture Unit (NAU): A New Concept for Interpreting Effects and Mechanisms of Acupuncture	The University of Hong Kong	Hong Kong	Zhang-Jin ZHANG
021	TRP ion-channels Experiments with Fibroblast and Endothelial Cells with Acoustic Shear Wave Activation	Time-Medical System	Hong Kong	Geng LI
022	Acupuncture Therapy in a Complicated Unconscious Patient	Chang Gung Memorial Hospital Kaohsiung Medical Center	Kaohsiung	Tun-Pin HSUEH
023	Laser Acupuncture Therapy for Temporomandibular Joint Disorders: A Case Report	Chang Gung Memorial Hospital Kaohsiung Medical Center	Kaohsiung	Wen-Long HU
024	Acupuncture Therapy on Consciousness Disorder in Post-operative Patients with Traumatic Brain Injury – A Case Report	Chang Gung Memorial Hospital Kaohsiung Medical Center	Kaohsiung	Ying-Jung TSENG
025	The Rat's Experiment of Degeneration Lumbar Disc Disease Treated by Acupotomy and Recovery Posture	Fudan University	Shanghai	Guang-Hong DING
026	Fluid Shear Stress-Induced Cytosolic Calcium and Degranulation Dynamics in Mast Cell	Fudan University	Shanghai	Lu-Wei ZHOU
027	Effects of Human Cyclophilin A on the Na <sup>+</sup> /Ca <sup>2+</sup> Exchanger Isoform NCX1 Heterologously Expressed in Xenopus Oocyte	Shanghai Research Center for Acupuncture and Meridians, Shanghai Institutes for Biological Sciences, Chinese Academy of Sciences	Shanghai	Wolfgang SCHWARZ
028	Mechanical-sensitivity of Human Mast Cells Line HMC-1	Shanghai Research Center for Acupuncture and Meridians, Shanghai Institutes for Biological Sciences, Chinese Academy of Sciences	Shanghai	Wolfgang SCHWARZ

029	Effect of Combined Acupuncture and Medicine on the Expression of Matrix Metalloproteinase-2 (MMP-2) in Rat Endometrial Explant	Shanghai University of Traditional Chinese Medicine	Shanghai	Yun-Fei CHEN
030	Positive Regulatory Effect of Acupoint Sticking Therapy on HPA-axis of Patients with Sports Fatigue	Shanghai University of Traditional Chinese Medicine	Shanghai	Yun-Fei CHEN
031	Translational Research on Comprehensive Acupuncture Protocol for Patients with Chronic Stroke in Community	Shanghai University of Traditional Chinese Medicine	Shanghai	Jian PEI
032	Clinical Research of Acupuncture in Treatment of Insomnia	Shanghai University of Traditional Chinese Medicine	Shanghai	Wen-Jia YANG
033	A Blood-flow Modulation Model via Acupuncture Induced Nitric Oxide	National Research Institute of Chinese Medicine	Taipei	Sheng-Hsiung HSIAO
034	Acupuncture Effects in Trapezius Myofascial Pain Syndrome: A Pilot study	National Yang-Ming University	Taipei	Sai-Wei YANG
035	Acupuncture Versus Topiramate in Chronic Migraine Prophylaxis: A Randomized Clinical Trial	Chang Gung Memorial Hospital	Taoyuan	Hen-Hong CHANG
036	Qi-referring Scalp Acupuncture Improves Stroke Patients' Muscle Power and Motor Function	Chang Gung Memorial Hospital	Taoyuan	Ko-Hung LEE
037	Acoustic Shear Wave Activation of Ca <sup>2+</sup> ion Channel Dynamics in Acupuncture	National Central University / Time Medical Systems	Taoyuan / Hong Kong	Edward YANG
038	Biophysical (Acoustic Wave) Mechanism of Acupuncture: Clinical MRE Imaging	National Central University / Time Medical Systems	Taoyuan / Hong Kong	Edward YANG
039	Calcium Fluorescent and Endorphin Enhancement in vivo Studies of Acupuncture-elicited ASW Activation in Mice	National Central University / Time Medical Systems	Taoyuan / Hong Kong	Edward YANG
040	Electroacupuncture Reduces Ischemic Injury in the Rat Brain	The University of Texas Medical School at Houston	USA	Ying XIA
<b>No.</b>	<b>Bioinformatics (Application of "Omics" in TCM Research)</b>	<b>Institute</b>	<b>Region</b>	<b>Corresponding Author</b>
041	Co-evolutionary Genetic Algorithm in Symptom-Herb Relationship Discovery	The University of Sydney	Australia	Josiah POON
042	Comparison of Toxic Reaction of Tripterygium Wilfordii Multiglycoside in Normal and Adjuvant Arthritic Rats	China Academy of Chinese Medical Sciences	Beijing	Ai-Ping LU
043	Coordinated Modular Functionality and Highways of a Response Protein-driven Interaction Network to Astragalus Membranaceus	China Academy of Chinese Medical Sciences	Beijing	Ai-Ping LU
044	Metabolomic Analysis of the Renal Cortex Reveals the Pharmacological Mechanisms of Chaihuangyishen Granule in Diabetic Nephropathy	China-Japan Friendship Hospital	Beijing	Ping LI
045	Pharmacometabonomics of Ginseng Extracts on Vascular Injury Induced by Chronic Homocysteine Treatment	University of Western Ontario	Canada	Edmund LUI
046	Mechanistic Investigation of the Anti-cancer and Anti-hyperlipidemia Effects of Gynostemma Triterpenoids Using Systems Biology Approach	Hong Kong Baptist University	Hong Kong	Wen-Luan Wendy HSIAO
047	Proteomic Studying the Effects of Radix Salvia Miltiorrhiza Aqueous Extract in Cultured Rat Aortic Smooth Muscle Cells	Chang Gung Memorial Hospital - Kaohsiung Medical Center	Kaohsiung	Yu-Chiang HUNG
048	Quantitative Analysis of Subclass-specific Glycosylation in Human Serum Immunoglobulins G by Multiple-Reaction Monitoring Mass Spectrometry	The Macau University of Science and Technology	Macau	Zhi-Hong JIANG
049	Combined In Vivo Imaging, Drug Metabolites Profiling, Transcriptomic and Proteomic Techniques Reveal Angiogenic Effect and Metabolism of Calycosin in Zebrafish Larvae	University of Macau	Macau	Simon Ming-Yuen LEE
050	A Genomics Approach to the Effects of the Traditional Chinese Medicine Four-Agents-Decoction on Endometriosis and Ovarian Cancer	China Medical University	Taichung	Ming-Ching KAO
051	A Proteomics Approach to the Molecular Pathway of Growth Inhibition on Human Oral Cancer Cells by Tien-Shen Lingzhi Extract	China Medical University	Taichung	Ming-Ching KAO
052	Elucidating the Neuroprotective Mechanisms of Buyang Huanwu Decoction by an Integrative Neurofunctional and Genomic Approach in Ischemic Stroke Mice	National Research Institute of Chinese Medicine	Taipei	Yuh-Chiang SHEN
053	Possible Mechanisms for Anti-depressive Pathways of Gastrodia Elata Bl. at Genomics and Proteomics Levels	National Taiwan University	Taipei	Lee-Yan SHEEN
054	Tissue Specific Alteration of MicroRNA Expression in Colon 38 Tumor, Spleen and Liver of Mice Following Treatments with CPT11 and/or PHY906	Yale University	USA	Yung-Chi Tommy CHENG



No.	Biological Activities and Mechanism Study I (Cancer)	Institute	Region	Corresponding Author
055	Effect of Active Components Alignments Isolated from <i>Stellera Chamaejasme</i> L. on Human Hepatoma Cell Apoptosis and Cyclins Dependent Kinase-2	Beijing Shijitan Hospital affiliated to Capital Medical University	Beijing	Guo-Feng PAN
056	20 (S)-Protopanaxadiol (PPD) Improves Glucose Metabolism through AMPK Pathway in 3T3 L1 Adipocytes	Hong Kong Baptist University	Hong Kong	Wang-Fun FONG
057	The Triterpenoids Saponins of <i>Gynostemma Pentaphyllum</i> Exert Anti-cancer Effects in Nasopharyngeal Carcinoma Cell Lines and Xenograft Mouse Model	Hong Kong Baptist University	Hong Kong	Wen-Luan Wendy HSIAO
058	Inhibition of p38 and PKA Signaling Contributes to the Anti-melanogenic Activity of Qian-wang-hong-bai-san, a Chinese Herbal Formula, in B16 Cells	Hong Kong Baptist University	Hong Kong	Wen-Luan Wendy HSIAO
059	Active Fraction of Licorice Inhibits Proliferation of Lung Cancer Cells A549 via Inducing Cell Cycle Arrest and Apoptosis	The Chinese University of Hong Kong	Hong Kong	John W. S. HO
060	Anti-proliferative Activities of Hedyotisone A, a Compound Isolated from <i>Hedyotis Corymbosa</i> , in Human Multidrug Resistant Hepatocellular Carcinoma Cells	The Chinese University of Hong Kong	Hong Kong	Clara Bik-San LAU
061	Celastrol from <i>Celastrus Orbiculatus</i> Inhibits Culture Human HaCaT Keratinocytes Growth without Affecting Terminal Cell Differentiation Process	The Chinese University of Hong Kong	Hong Kong	Zhi-Xiu LIN
062	Apoptotic Effect of Miltirone on Doxorubicin-sensitive and Doxorubicin-resistant HepG2 Cell Lines	The Chinese University of Hong Kong	Hong Kong	John H.K. YEUNG
063	The Anti-tumor Effect of a Chinese Medicinal Herb, <i>Scutalaria Barbarta</i> , in Human Colon Cancer Cells	The Hong Kong Polytechnic University	Hong Kong	Christine M.N. YOW
064	Compound A2869 Induces G1 Cell Cycle Arrest and Differentiation in Human Leukemia Cell Lines: Implications for Leukemia Treatment	The Hong Kong University of Science and Technology	Hong Kong	Nancy Y. IP
065	Fangchinoline is a Potential Anti-cancer Drug by Inducing Autophagic Cell Death in Hepatocellular Carcinoma Cells	The University of Hong Kong	Hong Kong	Yi-Bin FENG
066	miR-21 and miR-23a were Altered by <i>Coptidis Rhizoma</i> Aqueous Extract in Human Liver Cancer Cells	The University of Hong Kong	Hong Kong	Yi-Bin FENG
067	Research about Tumor Prescription and its Decomposition of Uterine Leiomyoma Cell Growth Inhibition of Principle	The University of Hong Kong	Hong Kong	Wei MENG
068	Anti-proliferative Activities of Monoterpenes and Glycosides Isolated from <i>Paeonia Albiflora</i>	The University of Hong Kong	Hong Kong	Stephen Cho-Wing SZE
069	An In Vitro Investigation of the Anti-metastatic Effects of Erxian Decoction on Human Ovarian Cancer Cell Model	The University of Hong Kong	Hong Kong	Yao TONG
070	Zinc-Chelation Contributes to the Anti-Angiogenic Effect of Ellagic Acid on Inhibiting MMP-2 Activity, Cell Migration and Tube Formation of Human Vascular Endothelial Cells (Published in PLoS ONE, 2011 May 4;6(5): e18986)	Chang Gung Memorial Hospital Kaohsiung Medical Center	Kaohsiung	Sheng-Teng HUANG
071	CHS-609, a Novel Calcium Mobilizing Agent Isolated from Chinese Medicinal Herb Induces Autophagic Cell Death in HeLa Cancer Cells	The Macau University of Science and Technology	Macau	Liang LIU
072	Furanodiene Enhances the Anti-cancer Effect of Doxorubicin in Breast Cancer	University of Macau	Macau	Yi-Tao WANG
073	Oridonin Inhibits Progression of Breast Cancer through γH2AX-dependent Signaling Pathway	University of Macau	Macau	Yi-Tao WANG
074	Luteolin Inhibits IκBα Kinase and Enhances Apoptosis Induced by TNF through Down-regulation of Expression of Nuclear Factor κB-regulated Gene Products in Human Pancreatic Cells	Jiangsu Provincial Academy of Traditional Chinese Medicine	Nanjing	Peng CAO
075	Representation and Anti-Tumor Activity of the Active Compositions in the Neutral Part and Acidic Part Isolated from the Supercritical CO <sub>2</sub> Fluid Extraction of the Fruiting Bodies of <i>Ganoderma Lucidum</i>	Jiangsu Provincial Academy of Traditional Chinese Medicine	Nanjing	Yan CHEN
076	Molecular Targeting of t (8;21) Leukemia-associated AML1-ETO Oncoprotein by Oridonin Generates Truncated AML1-ETO with Tumor-suppressor Activities	Shanghai Jiao Tong University	Shanghai	Sai-Juan CHEN
077	Potential Mechanisms of the Therapeutic Effects on Human Ovarian Cancer by Chinese Medical Herb <i>Sophora Flavescens</i> and its Active Compound	Tongji University	Shanghai	Xiao-Dong CHENG

078	Preliminary Proteomic Investigation of Oral Carcinogenesis: Discovery of its Early-stage Potential Biomarkers and Identification of Differentially Expressed Protein Spots	China Medical University	Taichung	Yao-Te HUANG
079	Anticancer Effects of Tien-Shen Lingzhi Extract on Human Breast Cancer Cells	China Medical University	Taichung	Ming-Ching KAO
080	Growth Inhibition of Human Prostate Cancer Cells by Tien-Shen Lingzhi Extract via Modulating Cell Cycle	China Medical University	Taichung	Ming-Ching KAO
081	Growth Suppression Effect of the Partition Fractions of the Four-Agents-Decoction and Ferulic Acid with its Derivatives on Ovarian Cancer Cell	China Medical University	Taichung	Ming-Ching KAO
082	Identification of Biomarkers and Confirmation of Biomarkers-based Therapy via Traditional Chinese Medicine Ganoderma Tsugae against Oral Cancer	China Medical University	Taichung	Ming-Ching KAO
083	Study on the Growth Suppression of Prostate Cancer Cells by the Traditional Chinese Medicine Four-Agents-Decoction	China Medical University	Taichung	Ming-Ching KAO
084	Magnolol Inhibits p51 Expression and Causes Cell Cycle Arrest in HeLa Cells	China Medical University	Taichung	Shih-Chang TSAI
085	Curcumin Inhibits Doxorubicin-Induced Epithelial-Mesenchymal Transition Relates to Multidrug Resistance in Triple Negative Breast Cancer Cells	China Medical University	Taichung	Tzong-Der WAY
086	Demethoxycurcumin Mediated Photodynamic Therapy Induces Cell Death via AMPK/mTOR-mediated Autophagy and the Mitochondria-mediated Apoptosis	China Medical University	Taichung	Tzong-Der WAY
087	Dimethoxycurcumin Suppresses PC3 Cell Viability via AMPK-Induced HSP70 and EGFR Down-regulation	China Medical University	Taichung	Tzong-Der WAY
088	Osthole Suppresses HGF-Induced Epithelial-mesenchymal Transition via Repressing c-Met/Akt/mTOR Pathway in Human Breast Cancer Cells	China Medical University	Taichung	Tzong-Der WAY
089	Pterostilbene Inhibits Growth and Metastatic Potential of Triple-negative Breast Cancers through the Inhibition of Epithelial to Mesenchymal Transition	China Medical University	Taichung	Tzong-Der WAY
090	Pterostilbene Inhibits Lipogenesis, and Cell Cycle Progression through Activation of AMPK in Prostate Cancer Cells	China Medical University	Taichung	Tzong-Der WAY
091	Pterostilbene Modulates Breast Tumor Cell Proliferation and Protein Translation via SIRT1-Dependent AMPK Activation	China Medical University	Taichung	Tzong-Der WAY
092	Pterostilbene Sensitizes Human Breast Cancer Cells to TRAIL-induced Apoptosis by Upregulation of Death Receptor	China Medical University	Taichung	Tzong-Der WAY
093	Discovery of Novel Anticancer Agent WYC02 from Formosan Medicinal Plant	China Medical University	Taichung	Yang-Chang WU
094	Chrysin, a Natural and Biologically Active Flavonoid, Influences a Murine Leukemic Mice Model In Vivo through Enhancing Proliferations of T and B Cells, Promoting Macrophage Phagocytosis and NK Cell Cytotoxicity	Fong-Yuan Hospital	Taichung	Chin-Chung LIN
095	Discovery of Multiple Targeted Phytochemopreventive Agents for Breast Cancer Therapy	Academia Sinica	Taipei	Lie-Fen SHYUR
096	Adjuvant Effect of Microtubule-depolymerizing Phytochemicals on Dendritic Cell-based Cancer Vaccines	Academia Sinica	Taipei	Ning-Sun YANG
097	Ethanol Crude Extract of Taiwanofungus Camphoratus Induces Apoptosis on Human Breast Cancer Cell In Vitro	Taichung Hospital, Department of Health	Taipei	Chun-Yi CHEN
098	Ethanol Extract of Taiwanofungus Camphoratus Augments Taxotere-induced Apoptotic Death in Prostate Cancer Cells	Taichung Hospital, Department of Health	Taipei	Chun-Yi CHEN
099	Autophagy Blockade Enhances Honokiol-induced Apoptosis in Glioblastoma Multiforme Cells	Taipei Medical University	Taipei	Jacqueline WHANG-PENG
100	Honokiol, a Bioactive Component from Magnolia Officinalis, as a Novel Therapeutics Targeting on Cancer Stem-like Cells	Taipei Medical University	Taipei	Jacqueline WHANG-PENG
101	Moscattilin, Isolated from India Orchid Dendrobium Moscatum and the Stem of Dendrobium loddigesii Induces Apoptosis and Catastrophe in Human Esophageal Cancer Cells	Chang Gung Memorial Hospital	Taoyuan	Hen-Hong CHANG
102	Anti-inflammatory and Anti-tumor Effects of Licorice Flavonoids and its Ingredients	University of Texas Medical School	USA	Ka BIAN
103	Chemo-preventive effects of KuiJieAn, an herbal preparation of Traditional Uighur Medicine, on dimethylhydrazine-induced rat colon aberrant crypt foci	Xinjiang Medical University	Xinjiang	Halmurat UPUR

104	Elevated c-Jun protein accumulation contributes to the tylophorine induced dominant G1 arrest in carcinoma cells	National Health Research Institutes	Zhunan	Shiow-Ju LEE
<b>No.</b>	<b>Biological Activities and Mechanism Study II (Metabolic, Neural Diseases and Aging Process)</b>	<b>Institute</b>	<b>Region</b>	<b>Corresponding Author</b>
105	Effects of an Early-and late-stage Treatment with Geniposide on Cognitive Dysfunction in a Transgenic Mouse Model Relevant to Alzheimer's Disease	Beijing Normal University	Beijing	Wen-Sheng ZHANG
106	Inhibition of Diabetic Nephropathy by a DNA Vaccine Encoding Transforming Growth Factor Beta1 in OLETF Rats	China-Japan Friendship Hospital	Beijing	Ping LI
107	The Study of Hypoglycemic Mechanisms by Cordyceps Militaris in Rats	Da-Yeh University	Changhua	Shih-Liang CHANG
108	Biological Effects of Ma-Xing-Shi-Gan Decoction on Different Cells	Fuzhou University	Fujian	Li-Jing KE
109	Effects of the Combined Intervention of Transplantation of Bone Marrow Mesenchymal Stem Cell Transfected with VEGF Gene and Naomai Yi-hao Capsule on the Angiogenesis in Cerebral Ischemic Rats	Guangzhou University of Traditional Chinese Medicine	Guangdong	Jian-Wen GUO
110	Nerve Growth Factor-mediated Neuronal Plasticity in Spinal Cord Contributes to Neonatal Maternal Separation-induced Visceral Hypersensitivity in Rats	Hong Kong Baptist University	Hong Kong	Zhao-Xiang BIAN
111	Reactive Astrocytes Express Brain-derived and Glial cell-line Derived Neurotrophic Factors in Ovariectomized Parkinsonian Rat	Hong Kong Baptist University	Hong Kong	Cathy N.P. LUI
112	Protective Effects of Astragalus mongholicus BUNGE Methanol Extract in C6 Rat Astrocytes and Type I Diabetic Mice	Hong Kong Baptist University	Hong Kong	Daniella Pui-Kwan WONG
113	Comparative Study of Cardioprotective Effects of Ginseng against Ischemia-reperfusion Injury between Young and Aged animals	Hong Kong Baptist University	Hong Kong	Hua ZHOU
114	Mechanistic Study of Danshen and Gegen on Anti-atherosclerosis	The Chinese University of Hong Kong	Hong Kong	Kwok-Pui FUNG
115	Ginsenoside Rb3 Blocks Homocysteine-induced Endothelial Dysfunction in Rat Thoracic Aorta	The Chinese University of Hong Kong	Hong Kong	Zhi-Xiu LIN
116	Protective Effect of Uncaria rhynchophylla against $\beta$ -amyloid-induced Neurotoxicity in PC12 Cells	The Chinese University of Hong Kong	Hong Kong	Zhi-Xiu LIN
117	Neuroprotection against Excitotoxic and Ischemic Insults by bis (12)-hupryridone, a Novel Anti-acetylcholinesterase Dimer, Possibly via Acting on Multiple Targets	The Hong Kong Polytechnic University	Hong Kong	Yi-Fan HAN
118	Compound A2456 Enhances CRE-promoter Activity and Cognitive Function of Mice in Morris Water Maze Test	The Hong Kong University of Science and Technology	Hong Kong	Nancy Y. IP
119	Using Lycium Barbarum (Gouqizi) as an Example to Explain the Holistic Concept of Anti-aging Chinese Medical Herbs	The University of Hong Kong	Hong Kong	Janice Yuen-Shan HO
120	Pharmacokinetics, Antioxidant Properties and Neuroprotective Effects of Hydroxysafflor Yellow A: Potential Application for Cerebral Ischemia-reperfusion Injury	The University of Hong Kong	Hong Kong	Jian-Gang SHEN
121	Pro-fertility Effect of Wolfberry Polysaccharide against Sexual Inhibition Caused by Glucocorticoid, which is Associated with Adult Neurogenesis	The University of Hong Kong	Hong Kong	Kwok-Fai SO
122	Promotion of Neurogenesis by Gouqizi (Wolfberry) in Experimental Depression	The University of Hong Kong	Hong Kong	Kwok-Fai SO
123	Protective Effects of Baicalein on Rotenone Induced Apoptosis in SH-SY5Y Cells	The University of Hong Kong	Hong Kong	Yan-Bo ZHANG
124	The Involvement of MAPK/ERK Pathway in Neuroprotective Action of Natural Compounds against Apoptosis	The University of Hong Kong	Hong Kong	Zhang-Jin ZHANG
125	Characterization of a Parkinson's Disease Zebrafish Model by iTRAQ Based Shotgun Proteomics and Study of Protective Effect of Ethanol Extract of Fructus Alpinia Oxyphylla against 6-hydroxydopamine-induced Dopaminergic Neuron Damage in Zebrafish	University of Macau	Macau	Simon Ming-Yuen LEE
126	Epilepsy Zebrafish Model: A Behavioral-based Assay for In Vivo Screening of Anti-epilepsy Agents from Chinese Medicine	University of Macau	Macau	Simon Ming-Yuen LEE
127	The Effects of Ginkgo Biloba Extract on L-Type Calcium Channel Currents in Rat Retinal Ganglion Cells	Chengdu University of Traditional Chinese Medicine	Sichuan	Qiang LI

128	Sambucus Formosana Stimulates Differentiation of MC3T3-E1 Osteoblasts through BMP-2 and $\beta$ -catenin Pathways	National Research Institute of Chinese Medicine	Taipei	Wen-Fei CHIOU
129	Protective Effects of Kaerophyllin against Hepatic Stellate Cell Activation and Liver Fibrogenesis in Rats	National Research Institute of Chinese Medicine	Taipei	Yi-Tsau HUANG
130	Neuroprotective Effects of Cistanche Tubulosa Glycosides on $\beta$ -Amyloid-induced Memory Impairment	Sinphar Pharmaceutical Co., Ltd.	Taipei	Muh-Hwan SU
131	Evaluation of Hypolipidemic Effect of Taraxacum Mongolicum in Human HepG2 Cells	Tajen University	Pingtung	Daih-Huang KUO
132	Mechanisms Research of Gujingmaisih Treatment for Premature Ejaculation (PE)	Xinjiang Medical University	Xinjiang	Halmurat UPUR
133	Study on Neuro-Endocrine-Immune Disturbance of type-2 Diabetes Millitus by Traditional Chinese Medicine, Uighur Medicine and Western Medicine	Xinjiang Medical University	Xinjiang	Halmurat UPUR
<b>No.</b>	<b>Biological Activities and Mechanism Study III (Metabolism and Drug Interaction)</b>	<b>Institute</b>	<b>Region</b>	<b>Corresponding Author</b>
134	A Comparative Study on the Tissue Distributions of Rhubarb Anthraquinones in Normal and CCl4-injured Rats Orally Administered Rhubarb Extract	302 Military Hospital, PLA Institute of Chinese Materia Medica	Beijing	Xiao-He XIAO
135	Pharmacokinetic Study of Loureirin B in Simulated Weightless Rats by HPLC-MS/MS Method	Beijing Institute of Technology	Beijing	Yu-Juan LI
136	Comparison of Toxic Reaction of White Prepared Lateral Root of Aconite in Normal and Kidney Deficiency Rats	China Academy of Chinese Medical Sciences	Beijing	Ai-Ping LU
137	Pharmacodynamic Comparison of Absorbed Compounds and their Parent Herb(s): A Strategy for Elucidating Herbal Absorbed Bioactive Compounds Involved in Mechanism of Action	Central South University	Changsha	Xi HUANG
138	Influence of Chinese Herbal Mix Tiáo Gēng Tāng on Sexual Hormones and on the Regulation of Menopause Problems	HanseMercur Center for TCM at the University Medical Center Hamburg Eppendorf	Germany	Lian-Wei XU
139	Comparison of the Liver-protective Effects of Traditional Decoction and Chinese Medicinal Dispensing Granule of Sinisan	Jinan University	Guangdong	Rong-Rong HE
140	Effect of Caffeine on the Neural Development of Chicken Embryo	Jinan University	Guangdong	Hiroshi KURIHARA
141	The Protective Effect of Purine Alkaloid Theacrine on Dopaminergic Neurons in Parkinson's Disease Mice	Jinan University	Guangdong	Hiroshi KURIHARA
142	Metabolism of Epimedium-derived Flavonoid Glycosides in Intestinal Flora of Rabbits and its Inhibition by Gluconolactone	Jinan University	Guangdong	Zhi-Hong YAO
143	Total Saponins of Gynostemma Pentaphyllum Alter the Gut Microflora Composition in Mice	Hong Kong Baptist University	Hong Kong	Wen-Luan Wendy HSIAO
144	Analgesic Mechanism of JCM-16021 on Trinitrobenzene Sulfonic Acid (TNBS)-induced Post-inflammatory Irritable Bowel Syndrome Rats	Hong Kong Baptist University	Hong Kong	Zhao-Xiang BIAN
145	The Role of Ginseng in Protecting H9c2 Cardiomyocytes against Hypoxia/reoxygenation Injury In Vitro by Regulating RISK Pathway	Hong Kong Baptist University	Hong Kong	Hua ZHOU
146	Reversal of Pgp-mediated Multidrug Resistance by Polyoxypregnane Compounds	The Chinese University of Hong Kong	Hong Kong	Stella CHAI
147	Impact of the Herbal Medicine Sophora Flavescens on the Steady-state Pharmacokinetics of Indinavir in Rats: The Involvement of CYP3A and P-glycoprotein	The Chinese University of Hong Kong	Hong Kong	Chun-Tao CHE
148	Astragali Radix and Rehmanniae Radix Exert Synergism in Promoting Diabetic Wound Healing	The Chinese University of Hong Kong	Hong Kong	Clara Bik-San LAU
149	Metabolic Activation – the Hepatotoxicity Related Metabolism of Different Types of Pyrrolizidine Alkaloids	The Chinese University of Hong Kong	Hong Kong	Ge LIN
150	In Vitro and In Vivo Pharmacokinetic Comparison of Traditional Chinese Medicine (Huang-Lian-Jie-Du-Tang) in Two Distinct Dosage Forms	Industrial Technology Research Institute	Hsinchu	Chen-Yi SU
151	Inhibition of Melanogenesis in Murine B16/F10 Melanoma Cells by Ligusticum Sinensis Oliv	Chang Gung Memorial Hospital - Kaohsiung Medical Center	Kaohsiung	Sheng-Teng HUANG
152	The Biotransformation and Identification of Benzofurans from the Root Bark of Chinese Morus Alba L. based on Rat Intestinal Bacterial Metabolism	University of Macau	Macau	Yi-Tao WANG
153	Stereoselective Metabolism of Praeruptorin A Enantiomers in Pooled Liver Microsomes of Rats and Humans	University of Macau	Macau	Ru YAN
154	Intestinal Absorption and Interaction Characteristics of the Main Constituents in Sini San	Jiangsu Provincial Academy of Traditional Chinese Medicine	Nanjing	Yan CHEN

155	The Experimental Observations on Skeletal Muscles in the Tail Suspension Rat Model with Bushen Jianpi Tongluo Decoction	Shanghai University of Traditional Chinese Medicine	Shanghai	Xiao SHI
156	Progress about Dependability between WNT Signal Pathway and Uterine Leiomyoma	Shanghai University of Traditional Chinese Medicine	Shanghai	Yang SHI
157	Mass Spectrometry of Grape Seed Polyphenol Metabolism in Ovariectomized Rats (A Model of Menopause)	University of Alabama at Birmingham	USA	Helen KIM
158	Acute Toxicity and Irritation Experiments of Kujiean (KJA) enema on Animal	Xinjiang Medical University	Xinjiang	Halmurat UPUR
159	Ethanol Extract of Abnormal Savda Munziq, an Herbal Preparation of Traditional Uighur Medicine, Inhibits Caco-2 cells Proliferation via Cell Cycle Arrest and Apoptosis	Xinjiang Medical University	Xinjiang	Halmurat UPUR
160	Reversal Mechanism of Resistance to 5-Fu in Human Hepatocarcinoma Cell Line BEL/Fu by Abnormal Savda Munziq Total Flavonoids	Xinjiang Medical University	Xinjiang	Halmurat UPUR
161	Studies on Free Radical Metabolism on Shenxu-Tanyu and Abnormal Savda Syndrome	Xinjiang Medical University	Xinjiang	Halmurat UPUR
162	The Experimental Study on Fluorouracil's Synergy and Attenuation Effect of Abnormal Savda Munziq	Xinjiang Medical University	Xinjiang	Halmurat UPUR
<b>No.</b>	<b>Biological Activities and Mechanism Study IV (Cardio, Viral and Other Diseases)</b>	<b>Institute</b>	<b>Region</b>	<b>Corresponding Author</b>
163	Effect of Astragalus Polysaccharide on the NO Production from Macrophage Stimulated by Lipopolysaccharide	China Academy of Chinese Medical Sciences	Beijing	Ai-Ping LU
164	Cellular Protective Activity of Arginine-Glucose Maillard Reaction Products is Correlated to Intracellular Antioxidant Activity	Fuzhou University	Fujian	Jian-Wu ZHOU
165	Viral Ion Channels as Target for Chinese Medicine (Emodin as an Example)	German-Chinese Research Foundation for Traditional Chinese Medicine	Germany	Wolfgang SCHWARZ
166	Carnosine Prevents Restraint Stress-evoked Immunocompromise in Mice by Inhibiting Spleen Lymphocyte Apoptosis	Jinan University	Guangdong	Hiroshi KURIHARA
167	In Vitro Study on Kang Bin Du Granule against Enterovirus 71 Virus (Ev71)	National Engineering Research Center for Modernization of TCM	Guangdong	Hui CAO
168	Investigation of the Immunomodulatory Effects of Radix Astragali Targeting Dendritic Cells	The Hong Kong Polytechnic University	Hong Kong	Daniel MY SZE
169	Immunomodulation of Dendrobium Officinale Polysaccharide on the Experimental Sjogren's Syndrome Model	The University of Hong Kong	Hong Kong	Yan-Bo ZHANG
170	A Novel Assay for the Screening of Antiviral Agents Targeted to Viral Proteins Involved in dsRNA Binding-mediated Inhibition of Innate Immunity	University of Cagliari	Italy	Enzo TRAMONTANO
171	A New Mammalian Lignan Precursor, Asarinin	University of Toyama	Japan	Masao HATTORI
172	Anomalin, Pyranocoumarin Inhibits LPS-induced Expression of Inflammatory Mediators via NF- $\kappa$ B and MAP-kinase Signaling Pathways	Seoul National University	Korea	Yeong-Shik KIM
173	Zebrafish Angiogenesis Assay for In Vivo Discovery of New Therapeutic Agent for Treatment of Ischemic Heart Disease	University of Macau	Macau	Simon Ming-Yuen LEE
174	Immuno-modulating Activities of Polysaccharides from Two Species of Ganoderma (Lingzhi) on Macrophages Function	University of Macau	Macau	Shao-Ping LI
175	Anti-inflammatory Properties of Eriocalyxin B in the Autoimmune Disease	Shanghai Jiao Tong University	Shanghai	Sai-Juan CHEN
176	Cultured Mycelium Cordyceps Sinensis Protects Acute Liver Injury Induced by Carbon Tetrachloride via Promoting Functions of Nature Killer Cells in Mice	Shanghai University of Traditional Chinese Medicine	Shanghai	Cheng-Hai LIU
177	Effects of Four Traditional Chinese Prescriptions with the Function of Clearing away Heat and Promoting Blood Circulation on Liver Fibrosis Induced by CCl <sub>4</sub> in Mice	Shanghai University of Traditional Chinese Medicine	Shanghai	Cheng-Hai LIU
178	The Effect and Action Mechanism of Chinese Herbal Plaster Xiaozhang Tie in Experimental Cirrhotic Ascites	Shanghai University of Traditional Chinese Medicine	Shanghai	Cheng-Hai LIU
179	Dilong Inhibits the Extract Impact of LPS-induced H9c2 cardiomyoblast Cells Apoptosis	China Medical University	Taichung	Wen-Huang PENG
180	Inhibitory Effects of Calophyllum Inophyllum L on the Inflammatory Mediators in RAW264.7 Cells	China Medical University	Taichung	Shih-Chang TSAI

181	Echinacea Alkamides Prevent Lipopolysaccharide/D-galactosamine-induced Acute Hepatic Injury through JNK Pathway-mediated HO-1 Expression	Academia Sinica	Taipei	Lie-Fen SHYUR
182	Briarane-type Diterpenes from Marine Soft Coral ( <i>Briareum excavatum</i> ) Effectively Regulate Dendritic Cell Functions and Prevent Type 1 Diabetes in Murine Model	Academia Sinica	Taipei	Ning-Sun YANG
183	Categorization of TCM on Immuno-regulatory Activities by Cytokine Expression in Mouse Bone-marrow Derived Dendritic Cells	Academia Sinica	Taipei	Ning-Sun YANG
184	Extract of Sporoderm-broken Germinating Spores of <i>Ganoderma lucidum</i> Activates Human Polymorphonuclear Leukocytes via the P38 Mitogen-activated Protein Kinase Pathway	Chang Gung Memorial Hospital	Taoyuan	Sien-Hung YANG
185	Effect of Abnormal Savda Munziq on the Cell Ultra-structure of Hypothalamus-pituitary-adrenal Axis in Abnormal Savda Syndrome Animal Model	Xinjiang Medical University	Xinjiang	Halmurat UPUR
186	Immunomodulatory Effects of Abnormal Savda Munziq, a Traditional Uighur Medicine, on the Combined Stress Mice	Xinjiang Medical University	Xinjiang	Halmurat UPUR
187	Influence of Abnormal Savda Munziq and Mushil on p53 Protein and Gene Expression Oxidized of Human Lymphocytes In Vitro	Xinjiang Medical University	Xinjiang	Halmurat UPUR
188	Preparation of Animal Model of Abnormal Savda Syndrome in Rats by the Theory of Traditional Uighur Medicine (TUM)	Xinjiang Medical University	Xinjiang	Halmurat UPUR
189	Studies on TanYuHuZu and Abnormal Savda	Xinjiang Medical University	Xinjiang	Halmurat UPUR
190	The Effects of the Sand Therapy of Uyghur Medicine on the Rabbit Experimental Knee Osteoarthritis	Xinjiang Medical University	Xinjiang	Halmurat UPUR
191	The Experimental Research of the Mechanism of Xipayi Kui Jie'an and the Gene Gun joint RNAi Treatment of Ulcerative Colitis	Xinjiang Medical University	Xinjiang	Halmurat UPUR
192	Effect of Curcumin on the Sterol-sensing Domain of SCAP	Zhejiang Chinese Medicine University	Zhejiang	Chun-Lei FAN
<b>No.</b>	<b>Clinical Trial I (Cancer, Liver Disease and Inflammation)</b>	<b>Institute</b>	<b>Region</b>	<b>Corresponding Author</b>
193	Evaluation of Topical Herbal Medicine for Psoriasis	RMIT University	Australia	Shi-Qiang DENG
194	Chinese Herbal Medicines versus Disease Modifying Antirheumatic Drugs for Management of Rheumatoid Arthritis: A Systematic Review	China Academy of Chinese Medical Sciences	Beijing	Ai-Ping LU
195	Clinical and Experimental Research of Chinese Herbs in Breast Cancer Endocrine Therapy	Peking University	Beijing	Ping-Ping LI
196	Long-term Chinese Decoction Administration for Management of Hot Flashes Associated with Endocrine Therapy in Breast Cancer Patients: A Follow up Study	Peking University	Beijing	Ping-Ping LI
197	An UPLC-MS Approach for the Diagnosis of Pyrrolizidine Alkaloid-induced Hepatic Sinusoidal Obstruction Syndrome in Patients	The Chinese University of Hong Kong	Hong Kong	Ge LIN
198	Cancers Treated With Combination of Antrodia Cinnamomea and Chemotherapy - A Double-blinded, Randomized Placebo-controlled Trial	Chang Gung Memorial Hospital-Kaohsiung Medical Center	Kaohsiung	Hsien-Hsueh CHIU
199	Cancer Patients with Qi Deficiency Have Poor Quality of Life	National Yang-Ming University	Taipei	Chung-Hua HSU
200	A Pilot Study on the Effects of Poria Cocos-contained Supplement on Nutritional Status in Cancer Patients	Taichung Hospital, Department of Health	Taipei	Chun-Yi CHEN
201	Microarray Analysis of Immune-related Gene in Patients Treated with Acupuncture	Chang Gung Memorial Hospital	Taoyuan	Hen-Hong CHANG
202	The Antioxidant Effects of TCM formula-LC on Patients with Systemic Lupus Erythematosus	Chang Gung Memorial Hospital	Taoyuan	Hen-Hong CHANG
203	The Effect of Herbal Paste Treatment on Patients with Allergic Rhinitis	Chang Gung Memorial Hospital	Taoyuan	Hen-Hong CHANG
204	Traditional Chinese Medicine for Treatment of Osteoarthritis	McLean Hospital, Harvard Medical School	USA	David Y-W. LEE
205	Pharmacokinetics of Chemicals and their Metabolites from PHY906, a Chinese Medicine Formulation, in the Plasma of Patients Treated with Irinotecan and PHY906	Yale University	USA	Yung-Chi Tommy CHENG
206	The Relationship between Tumor Patients' Plasma Monoamine Neurotransmitter Changes and their Urgur Traditional Medicine Syndromes	Xinjiang Medical University	Xinjiang	Halmurat UPUR
<b>No.</b>	<b>Clinical Trial II (Other Diseases and Safety)</b>	<b>Institute</b>	<b>Region</b>	<b>Corresponding Author</b>

207	Oral Chinese Herbal Medicine for Patients with Stable COPD: A Systematic Review of Randomized Controlled Trials	RMIT University	Australia	Charlie Changli XUE
208	The Effect of Tangshen Formula on Urine and Plasma L-FABP Levels in Patients with Type 2 Diabetic Nephropathy	China-Japan Friendship Hospital	Beijing	Ping LI
209	Impact Factors in Developing TNBS-induced Post-inflammatory Irritable Bowel Syndrome Model in Sprague dawley Rats	Hong Kong Baptist University	Hong Kong	Zhao-Xiang BIAN
210	Chinese Herbal Medicine for Preventing Reinfarction and Death in Myocardial Infarction: A Systematic Review	The Chinese University of Hong Kong	Hong Kong	Vincent CHUNG
211	A Randomized Placebo-controlled Trial on the Effectiveness of a Chinese Herbal Formula to Alleviate Menopausal Symptoms	The University of Hong Kong	Hong Kong	Yao TONG
212	The Antimicrobial Effect of Traditional Chinese Medicine Mouthwash on Patients Undergoing Orthodontic Treatment with Fixed Appliance	The University of Hong Kong	Hong Kong	Ricky WONG
213	Chinese Herbal Medicine for Insomnia: A Systematic Review of Randomized Controlled Trials	The University of Hong Kong	Hong Kong	Wing-Fai YEUNG
214	A Clinical Study of the Effect of Chinese Herbal Formula in Nourishing Yin (hydration) of Dysphonic Speakers	The University of Hong Kong	Hong Kong	Edwin YIU
215	An Epidemiological Study of Concomitant Use of Herbal Medicine and Antipsychotics in Schizophrenic Patients: Implication for Herb-drug Interaction	The University of Hong Kong	Hong Kong	Zhang-Jin ZHANG
216	Large-scale Network Meta-analysis of Major Chinese Medicines for Treating Ischemic Heart Disease	University of Macau	Macau	Yong-Liang JIA
217	Clinical Study of Fuzheng Huayu Action on Liver Fibrosis	Shanghai University of Traditional Chinese Medicine	Shanghai	Ping LIU
218	Analysis of 342 Voice Signals of Patients with Pulmonary Diseases in Traditional Chinese Medicine Auscultation	Shanghai University of Traditional Chinese Medicine	Shanghai	Yi-Qin WANG
219	Chinese Herbal Medicine for Infertility with Anovulation: A Systematic Review	Shanghai University of Traditional Chinese Medicine	Shanghai	Ting-Ting ZHANG
220	Bibliographic Analysis of Tuberculosis Texts in Traditional Chinese Medicine	China Medical University	Taichung	Su-Tso YANG
221	Lipid-lowering Effect of Red Yeast Rice Combined with Lactobacillus Casei. A Double Blind Placebo-controlled Clinical Trial	Chung Shan Medical University	Taichung	James Cheng-Chung WEI
222	A Preliminary Study of Acupuncture and TCM PSUNHT1 to Alzheimer's Disease in Central Taiwan Hospital	Fong-Yuan Hospital	Taichung	Chin-Chung LIN
223	An Open-label, Non-controlled Clinical Study on Cistanche Tubulosa Glycoside Capsules (Memoregain®) for Treating Moderate Alzheimer's Disease	Sinphar Pharmaceutical Co., Ltd.	Taipei	Muh-Hwan SU
224	Supplement of Green Tea Extract Improve Insulin Resistance in Obese Type 2 Diabetes? A Randomized, Double-blind and Placebo-controlled Clinical Trial	National Yang-Ming University	Taipei	Chung-Hua HSU
225	Type 2 Diabetic Mellitus Patients Supplementary with Traditional Chinese Medicine have Better Quality of Life	National Yang-Ming University	Taipei	Chung-Hua HSU
226	The Association of Chronic Kidney Disease and Traditional Chinese Herbal Products Suspected to Contain Aristolochic Acid	Chang Gung Memorial Hospital	Taoyuan	Hen-Hong CHANG
227	Adverse Events Assessment of Traditional Chinese Herbal Product, Guilu Erxian Jiao, in Healthy Volunteers	Chang Gung Memorial Hospital	Taoyuan	Sien-Hung YANG
228	Metabonomic studies of Abnormal Savda syndrome complexity diseases in traditional Uyghur Medicine	Xinjiang Medical University	Xinjiang	Halmurat UPUR
<b>No.</b>	<b>Education Pre-meeting Workshop</b>	<b>Institute</b>	<b>Region</b>	<b>Corresponding Author</b>
229	Is there a Curriculum for CPD on OM and TCM Integrative Medicine in Healthcare?	University of Western Medicine and The University of Sydney	Australia	Kelvin CHAN
230	There are no Placebo Acupuncture Points - Mathematical Reflections on the Traditional Systematics of the Meridian System	HanseMercur Center for TCM at the University Medical Center Hamburg Eppendorf	Germany	Sven SCHROEDER
231	Criteria and Requirements of the First Master Degree in TCM/TEAM in Europe	Heidelberg School of Chinese Medicine	Germany	Henry Johannes GRETEN
232	Evaluation of Post-graduate Programme in Chinese Medicine on the Practice of Integrative Medicine	Hospital Authority	Hong Kong	Vivian Chi-Woon WONG

233	Student Learning Research Leading to Quality Professional Education Outcomes	The Hong Kong Polytechnic University	Hong Kong	Daniel MY SZE
234	The Implementation of PBL in Chinese Medicine Program at The University of Hong Kong	The University of Hong Kong	Hong Kong	Yao TONG
235	Traditional Chinese Medicine Education in Conventional Medicine Curriculum Around the World	The University of Hong Kong	Hong Kong	Tony Kwun-Yat WU
236	Evidence-based Medicine Learning for a Case	E-Da hospital	Kaohsiung	Wan-Ling LIN
237	Learning TCM by Digital Game	E-Da hospital	Kaohsiung	Chin-Chuan TSAI
238	Mergence of TCM Clinical Competency Training	E-Da hospital	Kaohsiung	Chin-Chuan TSAI
239	Attitudes of Korean Medical Doctors on Medical System and Traditional Korean Medicine Education – Comparative Study with Traditional Korean Medical Doctors and Double License Holders	Pusan National University	Korea	Young-Ju YUN
240	Content Providers Site for Weight Control with Traditional Chinese Medicine and Nutrition	Chang Gung Memorial Hospital	Taoyuan	Hen-Hong CHANG
241	Globalization of Chinese Medicine Education - Two Important Issues	Chinese Medical Institute and Register	UK	Man-Fong MEI
<b>No.</b>	<b>Herbal Resources I (Cultivation and Herbal Quality)</b>	<b>Institute</b>	<b>Region</b>	<b>Corresponding Author</b>
242	Quality Standardization of Gegen	University of Western Sydney and The University of Sydney	Australia	Kelvin CHAN
243	Polyphenolic Profile of Pomegranate Peel: Influences of Geographical Origin on Authentication	The University of Sydney	Australia	George LI
244	European Monographs for Chinese Herbal Medicine	University of Graz	Austria	Rudolf BAUER
245	A Color-based Grading Method Associated with Artificial Neural Network for Quality Evaluation of the Medicinal Herb Rhubarb	302 Military Hospital, China Military Institute of Chinese Materia Medica	Beijing	Xiao-He XIAO
246	Study on Biological Characteristics and Population Growth Rate of <i>Hepialus Xiaojinensis</i> under Artificial Environment	Chinese Academy of Medical Sciences & Peking Union Medical College	Beijing	Li XIANG
247	Chemical Analysis of <i>Eriocaulon Buergerianum</i> and Adulterating Species by High-performance Liquid Chromatography with Diode Array Detection and Electrospray Ionization Tandem Mass Spectrometry	Peking University	Beijing	Min YE
248	From Single Compounds to Herbal Extract: A Strategy to Systematically Characterize the Metabolites of Licorice in Rats	Peking University	Beijing	Min YE
249	Canadian Research Initiative for Saving the Sacred Plants (CRISSP): Micropropagation and Cryopreservation of North American Ginseng ( <i>Panax quinquefolius</i> L.)	University of Guelph	Canada	Praveen SAXENA
250	North American Ginseng Constituent Analysis and Evaluation of Potential Efficacy for Therapeutic Applications	University of Western Ontario	Canada	Si-Jun ZHOU
251	Fingerprint Analysis of Chinese Herbs with Chromatographic Methods - Necessity for International Standardization of Identification	HanseMercur Center for TCM at the University Medical Center Hamburg Eppendorf	Germany	Sven SCHROEDER
252	Comparative Analysis of Main Constituents in <i>WuZhiMaoTao</i> ( <i>Radix of Ficus hirta</i> Vahl.) from Different Sources	Hong Kong Baptist University	Hong Kong	Hu-Biao CHEN
253	Comparative Study of the Morphological and Chemical Changes of <i>MiantouXuelianhua</i> ( <i>Saussurea Laniceps</i> Hand.-Mazz.) before and after Decoction	Hong Kong Baptist University	Hong Kong	Hu-Biao CHEN
254	Encyclopedia of Medicinal Plants - A Key Component of the Dynamic Ethnomedicinal Database	Hong Kong Baptist University	Hong Kong	Zhong-Zhen ZHAO
255	Histochemical Research on Chinese Medicinal Materials Using Laser Microdissection and Liquid Chromatography-Mass Spectrometry	Hong Kong Baptist University	Hong Kong	Zhong-Zhen ZHAO
256	Literature Research, Market Investigation, and Authentication of Spicy and Aromatic Chinese Medicinal Materials Used in Hotpot	Hong Kong Baptist University	Hong Kong	Zhong-Zhen ZHAO
257	On the Cultural Heritage and Natural Resources of Chinese Medicinal Materials	Hong Kong Baptist University	Hong Kong	Zhong-Zhen ZHAO
258	Simultaneous Quantification of 13 Flavonoids in Seed of <i>Oroxylum indicum</i> (L.) Vent by High-performance Liquid Chromatography	University of Macau	Macau	Qing-Wen ZHANG
259	Chemical and Biological Profiling of Herbal Medicines	China Pharmaceutical University	Nanjing	Ping LI
260	Qualitative and Quantitative Evaluation of Phenolic Compounds in <i>Iris dichotoma</i> Pall	China Pharmaceutical University	Nanjing	Min-Jian QIN
261	Preparation and Transdermal Diffusion of Curcumin Liposomes	Jiangsu Provincial Academy of Traditional Chinese Medicine	Nanjing	Yan CHEN



262	Comparative Analysis of HPLC Fingerprint between Bupleuri Radix and Bupleuri Herba	Jiangsu Provincial Academy of Traditional Chinese Medicine	Nanjing	Xiao-Bin JIA
263	Determination and Separation of Chiral Isomers (R, S-goitrin) from Isatis Indigotica Fort	Shanghai University of Traditional Chinese Medicine	Shanghai	Zheng-Tao WANG
264	Simultaneous Determination of Paeoniflorin, Albiflorin and Paeoniflorin Sulfonate in Radix Paeonia Alba by UPLC	Shanghai University of Traditional Chinese Medicine	Shanghai	Zheng-Tao WANG
265	Analysis on Variation of Seed Traits in Cultivated Coix Lacryma-jobi L. var. Ma-yuen from Different Areas in China	Tongji University	Shanghai	Zhou CHENG
266	Good Practice in TCMS (GPTCM): Preliminary Results on the Quality of Botanical Origin, Processing and Extraction Information Contained in Papers on Cornus Officinalis in the Last Three Years	Brunel University	UK	Ian SUTHERLAND
267	A Survey of the Resources and Chemistry of "Long Dan" and "Qing Jiao"	Kunming Institute of Botany, Chinese Academy of Sciences	Yunnan	Chong-Ren YANG
268	The Resource and Chemistry Studies of Qingyangshen (Cynanchum Otophllum)	Kunming Institute of Botany, Chinese Academy of Sciences	Yunnan	Ying-Jun ZHANG
<b>No.</b>	<b>Herbal Resources II (Identification and Manufacturing)</b>	<b>Institute</b>	<b>Region</b>	<b>Corresponding Author</b>
269	One-step Separation and Purification of Five Flavonoids from Sophora Japonica L. by High-speed Counter-current Chromatography	Beijing Technology and Business University	Beijing	Xue-Li CAO
270	A DNA Barcoding Web Server for Endangered Plant Species	Chinese Academy of Medical Sciences & Peking Union Medical College	Beijing	Shi-Lin CHEN
271	Identification of Cortex Herbs Using the DNA Barcode nrITS2	Chinese Academy of Medical Sciences & Peking Union Medical College	Beijing	Shi-Lin CHEN
272	Authentication of Bupleuri Radix and its Adulterants by Analysis of ITS2 Sequences	Chinese Academy of Medical Sciences & Peking Union Medical College	Beijing	Xiao-Lan XU
273	ABAET: A DNA Barcoding Annotation and Extraction Tool	Chinese Academy of Medical Sciences & Peking Union Medical College	Beijing	Ying-Jie ZHU
274	Infrared Spectroscopy for Complex Mixture: Applications in Traditional Chinese Medicine	Tsinghua University	Beijing	Suqin SUN
275	Synthesis and Characterization of Polymer Microspheres for Ginseng Extract Delivery	The University of Western Ontario	Canada	Paul CHARPENTIER
276	Construction and Characterization of Glycated Protein Nanoparticles from Sliced Radix Isatidis	Fuzhou University	Fujian	Ping-Fan RAO
277	Isolation and Characterization of Nanoparticles from Ma-xing-shi-gan Decoction	Fuzhou University	Fujian	Ping-Fan RAO
278	Study on Antioxidant Activity of Bitter Melon Extract under Different Processing	Fuzhou University	Fujian	Ping-Fan RAO
279	Heat Processing Eliminated Cytotoxicity of Radix Isatidis (Banlangen) on Madin-Darby Canine Kidney Cell	Fuzhou University	Fujian	Jian-Wu ZHOU
280	Novel Mode of Quality Control for the Chinese Herb Exocarpium Citri Grandis – Bioactive Chromatographic Fingerprint	Sun Yat-sen University	Guangdong	Wei-Wei SU
281	Analysis of Triterpenoid Saponins and Polyacetylenes in Bupleurum Species by Liquid Chromatography-Mass Spectrometry	Hong Kong Baptist University	Hong Kong	Zhong-Zhen ZHAO
282	Application of Microscopic Technique in the Authentication of Ethnomedicinal Materials and Related Products	Hong Kong Baptist University	Hong Kong	Zhong-Zhen ZHAO
283	Authentication of Decoction Dregs (3) - Comparison of Macroscopic and Microscopic Characteristics of Crude and Processed CMMs by Light and Fluorescent Microscopy	Hong Kong Baptist University	Hong Kong	Zhong-Zhen ZHAO
284	Authentication of Plectranthus Barbatus and Adhatoda Vasica and Comparison of their Medicinal Uses in Traditional Chinese Medicine, Ayurvedic Medicine and Modern Medicine	Hong Kong Baptist University	Hong Kong	Zhong-Zhen ZHAO
285	Chinese Medicinal Processing - A Unique Issue in the Standardization of Chinese Materia Medica	Hong Kong Baptist University	Hong Kong	Zhong-Zhen ZHAO
286	Macro-microscopic Identification of Commonly Used Herbs of India: Garcinia Cambogia and Garcinia Indica	Hong Kong Baptist University	Hong Kong	Zhong-Zhen ZHAO

287	Macro-microscopic Identification of <i>Uncaria Tomentosa</i> and <i>Uncaria Guianensis</i>	Hong Kong Baptist University	Hong Kong	Zhong-Zhen ZHAO
288	Macroscopic Identification of Chinese Medicinal Materials: Traditional Experiences and Scientific Elucidation	Hong Kong Baptist University	Hong Kong	Zhong-Zhen ZHAO
289	Effect of Sulfur Fumigation Processing on the Bioactive Components and Pharmacokinetics of Panax Ginseng	The Chinese University of Hong Kong	Hong Kong	Ge LIN
290	Microwave-assisted Water Extraction of Flavones and their Glycosides from Huang Qin ( <i>Scutellaria baicalensis</i> Georgi) with Analysis by High-performance Liquid Chromatography	The Chinese University of Hong Kong	Hong Kong	John H.K. YEUNG
291	Direct Chemical Analysis of American Ginsengs by Tissue-spray Ionization Mass Spectrometry	The University of Hong Kong	Hong Kong	Kwan-Ming NG
292	Development of a Rapid and Convenient Method to Separate Eight Ginsenosides from Panax Ginseng by High-speed Counter-current Chromatography Coupled with Evaporative Light Scattering Detection	Seoul National University	Korea	Yeong-Shik KIM
293	Cultured Cambial Meristematic Cells as a Source of Plant Natural Products	Unhwa Corporation	Korea	Jaehan PARK
294	Optimization of Extraction Process of Catalpol and Acteoside from <i>Rehmanniae Radix</i> by Response Surface Methodology using Central Composite Design	University of Macau	Macau	Ying ZHENG
295	Application of Continuous Two-dimensional Open-tubular Capillary Electrochromatography with Magnetic Nanoparticle Coating as Stationary Phase	East China University of Science and Technology	Shanghai	Wei-Bing ZHANG
296	Fingerprint for the Identification of Chemical Constituents in <i>Jologbo</i>	East China University of Science and Technology	Shanghai	Wei-Bing ZHANG
297	HPLC Fingerprinting Profiles for the Separation of Rhizome of <i>Polygonum Bistorta</i>	East China University of Science and Technology	Shanghai	Wei-Bing ZHANG
298	Authentication of <i>Peganum</i> Species Indigenous to China Based on Chloroplast <i>trnL-F</i> and <i>psbA-trnH</i> Sequences and Seed Coat Morphology	Shanghai University of Traditional Chinese Medicine	Shanghai	Chang-Hong WANG
299	An Efficient Method for Separation and Purification of Glucosinolate Stereoisomers from <i>Radix Isatidis</i>	Shanghai University of Traditional Chinese Medicine	Shanghai	Zheng-Tao WANG
300	Coevolution of <i>Ophiocordyceps Sinensis</i> and its Host <i>Hepialus</i> Inferred from ITS and COI Gene Sequences	Tongji University	Shanghai	Zhou CHENG
301	Genetic Diversity among <i>Taxus Chinensis</i> var. <i>Mairei</i> Populations Revealed by ISSR Markers	Tongji University	Shanghai	Zhou CHENG
302	Genetic Relationships among Honeysuckle Germplasm Inferred from ITS Sequence	Tongji University	Shanghai	Zhou CHENG
303	Biologics as a New Class of Active Principles in Herbal Medicine	Nanyang Technological University	Singapore	James TAM
<b>No.</b>	<b>Herbal Resources III (Natural Products and Biological Activities)</b>	<b>Institute</b>	<b>Region</b>	<b>Corresponding Author</b>
304	Comparative Study on Tissue Distributions of Rhubarb Anthraquinones between Normal and CCl <sub>4</sub> -injured Rats Orally Administered by Rhubarb Extract	302 Military Hospital, China Military Institute of Chinese Materia Medica	Beijing	Xiao-He XIAO
305	Identification of the Antidiarrhoeal Components in Official Rhubarb Using Liquid Chromatography-tandem Mass Spectrometry	302 Military Hospital, China Military Institute of Chinese Materia Medica	Beijing	Xiao-He XIAO
306	Study on the Cold and Hot Properties of Medicinal Herbs by Thermotropism in Mice Behavior	302 Military Hospital, China Military Institute of Chinese Materia Medica	Beijing	Xiao-He XIAO
307	Which Functional group is Critical for Bioactivity? Structure-Activity Relationship of Curcumin and its Analogues on Antioxidant and Antibacterial Activities	302 Military Hospital, China Military Institute of Chinese Materia Medica	Beijing	Xiao-He XIAO
308	Biological Activities of North American Ginseng Extracts	The University of Western Ontario	Canada	Paul CHARPENTIER
309	Study on the Influence of Molecular Weight of Tremella Polysaccharides with their Enhancement of Immune Function	Changchun University of Chinese Medicine	Changchun	Qi-Pin GAO
310	Effects of Pilose Antler on Osteoporosis of Ovariectomized Rats	Changchun University of Chinese Medicine	Changchun	Zhe LIN
311	The Stimulating Effect of Antler Collagen on Osteosarcoma Cell Proliferation	Changchun University of Chinese Medicine	Changchun	Xiao-Bo QU
312	The Effect of Dengzhan Shengmai Capsules on CYP450 Enzyme Activity and Clinical Research	Guangdong Provincial Hospital of Traditional Chinese Medicine	Guangdong	Jian-Wen GUO
313	Naturally Occurring and Structurally Modified Podophyllotoxins from <i>Dysosma Versipellis</i>	Jinan University	Guangdong	Ren-Wang JIANG
314	Protective Mechanisms of Quercetin against Podophyllotoxin Poisoning	Jinan University	Guangdong	Ren-Wang JIANG

315	Flavonol Glycosides from <i>Epimedium pubescens</i> Maxim	Jinan University	Guangdong	Xin-Sheng YAO
316	Terpenoids from the Fruits of <i>Gardenia Jasminoides</i> and their Anti-Alzheimer's Disease Activity	Jinan University	Guangdong	Xin-Sheng YAO
317	Chemical Constituents from <i>Solanum Torvum</i> Swartz	Jinan University	Guangdong	Guang-Xiong ZHOU
318	Chemical Constituents from the Bark of <i>Pterospermum Heterophyllum</i> Hance	Jinan University	Guangdong	Guang-Xiong ZHOU
319	Antioxidant Study on Different Parts of <i>Hylocereus Undatus</i> : A Comparative Study	Hong Kong Baptist University	Hong Kong	Hu-Biao CHEN
320	The Anti-inflammatory Effects of Isolated Fractions from <i>Astragali Radix</i> by Bioassay-guided Fractionation	The Chinese University of Hong Kong	Hong Kong	Clara Bik-San LAU
321	A Rustic Opinion on the "Modernization of Traditional Chinese Medicine"	The University of Hong Kong	Hong Kong	Lei LI
322	Baicalin Protects Neural Cells from Cerebral Ischemia Reperfusion Injury by Scavenging Peroxynitrite	The University of Hong Kong	Hong Kong	Jian-Gang SHEN
323	Effects of Salvianolic Acid B on Scavenging Peroxynitrite and Protecting Neuronal Cells from Oxidative Stress: Application for Cerebral Ischemia-reperfusion Injury	The University of Hong Kong	Hong Kong	Jian-Gang SHEN
324	Two New Pterodin Dimers from <i>Pteris Mutifida</i> Poir	Jiangxi University of Traditional Chinese Medicine	Jiangxi	Jian-Qun LIU
325	Simultaneous Determination of Baicalin and Glycyrrhizin in Soshiho-tang by HPLC and Anti-inflammatory Activity	Korea Institute of Oriental Medicine	Korea	Hyeun-Kyoo SHIN
326	Separation of Saponins from the Roots of <i>Platygodon Grandiflorum</i> by High-speed Counter-current Chromatography and their Anticancer Activity	Seoul National University	Korea	Yeong-Shik KIM
327	Preparation and Characterization of Emodin-loaded Solid Lipid Nanoparticles	University of Macau	Macau	Yi-Tao WANG
328	Corosolic Acid in <i>Psidium Guajava</i>	University of Macau	Macau	Qing-Wen ZHANG
329	Withagulin A Reduced Inflammation Responses via COX-2 Inhibition through MAPK and NF- $\kappa$ B Pathways Mediation	East China University of Science and Technology	Shanghai	Jian-Wen LIU
330	Screening Pure Natural Products (NPs) Library from Traditional Chinese Medicine (TCM) for Lead Generation	Roche R&D Center (China) Ltd.	Shanghai	Wei ZHU
331	Isolation, identification and Antiviral Activities of Metabolites of Calycosin-7-O- $\beta$ -D-glucopyranoside	Shanghai Institute of Materia Medica, Chinese Academy of Sciences	Shanghai	Cheng-Gang HUANG
332	Ethological Changes in Rats with Chronic Stress-induced Anxiety and Interventional Effect of <i>Chimonanthus Salicifolius</i> Hu Essential Oil	Tongji University	Shanghai	Xiao-Ling YANG
333	Chemical and Anticancer Properties of Ethanolic Extracts of <i>Centipeda Minima</i>	National Research Institute of Chinese Medicine	Taipei	Chia-Chuan CHANG
334	Antioxidative Flavonol Glucuronides and Anti-HBsAg Flavonol from <i>Rotala Rotundifolia</i>	National Research Institute of Chinese Medicine	Taipei	Yao-Haur KUO
335	Bioactive Lignans from the Fruits of <i>Schisandra Sphenanthera</i>	National Taiwan University	Taipei	Ya-Ching SHEN
336	Bioactive Xenicane Diterpenoids from Soft Coral <i>Asterospicularia laurae</i>	National Taiwan University	Taipei	Ya-Ching SHEN
337	Knowledge-based Discovery of Anti-fibrotic and Pro-fibrotic Activities from Chinese Materia Medica	King's College London	UK	Qihe XU
338	Traditional Chinese Medicine (TCM)-derived Anticancer and Anti-AIDS Clinical Trials Candidates	University of North Carolina at Chapel Hill	USA	Kuo-Hsiung LEE
339	Bioassay-guided Fractionation of Abnormal Savda Munzig Using HL-60 Cell Line	Xinjiang Medical University	Xinjiang	Halmurat UPUR
340	Effects of Aleppo Gall and its Active Extracts on Dental Plaque Biofilm	Xinjiang Medical University	Xinjiang	Halmurat UPUR
341	The Control of <i>Aspergillus Flavus</i> with <i>Cinnamomum Jensenianum</i> Hand.- Mazz Essential Oil and its Potential Use as a Food Preservative	Wuhan University	Wuhan	You-Wei WANG
342	Various Extracts of <i>Anethum graveolens</i> L. Seeds Exhibit Antioxidant Properties In Vitro and In Vivo	Wuhan University	Wuhan	You-Wei WANG
<b>No.</b>	<b>Interregional Collaborations in Industry and Academia</b>	<b>Institute</b>	<b>Region</b>	<b>Corresponding Author</b>
343	Multidisciplinary Approach to the Study of Drugs Acting at the Gaba-mediated Inhibitory Neurotransmission	University of Cagliari	Italy	Enrico SANNA
344	Analysis of Product Defense Strategy for Blockbuster Drugs after Expiration of their Patents: Case Study Based on Pharmaceutical Giants	University of Macau	Macau	Ying BIAN
345	The Empirical Research of Traditional Chinese Medicine List Companies based on Economic Value Added	University of Macau	Macau	Ying BIAN

346	The Case Study of Chinese Pharmaceutical Firm's R&D System Based on the Network Cooperation	University of Macau	Macau	Yun-Feng LAI
347	Discussion on Venture Capital Investment in Chinese Herbs Planting Industry in China	University of Macau	Macau	Lan QIU
348	Innovation of Anti-tumor Chinese Medicine in the World: An Empirical Study Based on CN, EU and US Patents	University of Macau	Macau	Yi-Tao WANG
349	Obstruction and Breakthrough : A Case Study of Pharmaceutical Enterprises from Developing Countries in the Process of Industry Upgrade	University of Macau	Macau	Yang ZHAO
350	Traditional Medicine and Modern Natural Product Drug Discovery	Roche R&D Center (China) Ltd.	Shanghai	Yong-Guo LI
351	GP-TCM: An EU-China Consortium on Modernisation of Chinese Medicine Research	King's College London	UK	Qihe XU
352	Panax Notoginseng GAP Base Construction and Practice of Customized Farm Model	Wenshan Miaoxiang Notoginseng Industrial Co., Ltd	Yunnan	Yu-Qi YU
<b>No.</b>	<b>Objective and Standard Assessments of Diagnosis in TCM</b>	<b>Institute</b>	<b>Region</b>	<b>Corresponding Author</b>
353	Modelling Causal Complexities in TCM	The University of Sydney	Australia	Kei FAN
354	Classification of Rheumatoid Arthritis Based on Traditional Chinese Medicine through Text Mining	China Academy of Chinese Medical Sciences	Beijing	Ai-Ping LU
355	Correlation between Cold and Hot Pattern in Traditional Chinese Medicine and Gene Expression Profiles in Rheumatoid Arthritis	China Academy of Chinese Medical Sciences	Beijing	Ai-Ping LU
356	Exploring the Same Pattern Existed between Coronary Heart Disease and Cerebral Infarction by Text Mining	China Academy of Chinese Medical Sciences	Beijing	Ai-Ping LU
357	Quality Control by Parametrizing TCM Diagnosis - Objectifying calor/"heat" as a Guiding Criterion (ba gang)	Heidelberg School of Chinese Medicine	Germany	Henry Johannes GRETEN
358	The Analysis of the Influencing Factors of the Traditional Chinese Medicine Syndromes of Ischemic Stroke	Guangdong Provincial Hospital of Traditional Chinese Medicine	Guangdong	Yan HUANG
359	Exploration on How to Improve the Diagnosis of Pulse	Guangzhou University of Traditional Chinese Medicine	Guangdong	Jue-Hui LI
360	Computerized TCM Diagnosis	The Hong Kong Polytechnic University	Hong Kong	David Da-Peng ZHANG
361	The Association between Symptom Evaluation Index and Health State According to Sasang Constitutional Medicine in Women at Korea	Korea Institute of Oriental Medicine	Korea	Siwoo LEE
362	Novel Diagnostic Model for the Floating and Sunken Pulse Qualities	Korea Institute of Oriental Medicine	Korea	Jaeuk KIM
363	Relations between 10 Primary Pulse Conditions Based on Doctors' Pulse Diagnoses	Korea Institute of Oriental Medicine	Korea	Jaechul LEE
364	SIRC TCM Information Credibility Evaluation System (Stices)	Shanghai Innovative Research Center of Traditional Chinese Medicine	Shanghai	William JIA
365	Studying the Syndromes Classification of TCM Inquiry about Cardiovascular Disease Based on the Analysis of Latent Structural Model	Shanghai University of Traditional Chinese Medicine	Shanghai	Zhao-Xia XU
366	The Research of Syndrome Differentiation Model for Four Diagnostic Information Fusion of Heart Diseases in TCM Based on Multiple Tags Learning Algorithm Related to Features Marking	Shanghai University of Traditional Chinese Medicine	Shanghai	Yi-Qin WANG
367	Analysis of Different Health Status Characteristics of the Facial Spectrum and Color	Shanghai University of Traditional Chinese Medicine	Shanghai	Jia-Tuo XU
368	The Association among Traditional Chinese Medicine Syndrome Groups, Obese Related Hormone Peptides, and Quality of Life	National Yang-Ming University	Taipei	Chung-Hua HSU
369	The Correlation among Cancer Related Fatigue, Quality of Life and Traditional Chinese Medicine Syndrome Groups in Cancer Patients	National Yang-Ming University	Taipei	Chung-Hua HSU
370	A Fitting Statistical Approach for Tongue Color Classification in Traditional Chinese Medicine	Chang Gung Memorial Hospital	Taoyuan	Hen-Hong CHANG
371	Analysis of Correlations between NFC Microvascular Changes and Various Chinese Patterns in SLE Patients	Chang Gung Memorial Hospital	Taoyuan	Hen-Hong CHANG
372	Modernization of Listening Examination in Traditional Chinese Medicine – Voice Analysis on Qi-vacuity Subjects	Chang Gung Memorial Hospital	Taoyuan	Hen-Hong CHANG
373	The Consistency Among Patients, Resident Doctor and Senior Supervisor in Using a Traditional Chinese Medicine Questionnaire	Chang Gung Memorial Hospital	Taoyuan	Hen-Hong CHANG

374	To Investigate the Disease Pattern for Patients with Obstructive Sleep Apnea Syndrome by Constitutional Scale in Traditional Chinese Medicine	Chang Gung Memorial Hospital	Taoyuan	Hen-Hong CHANG
375	Factor Analysis on the Distribution of TCM Syndromes in Patients with Hyperlipidemia in Xinjiang Region	Xinjiang Medical University	Xinjiang	Halmurat UPUR
376	Relationship Between Severe Asthma in Western Medicine, Virtual Roar Asthma in Chinese Medicine, and Abnormal Savda in Uighur Medicine	Xinjiang Medical University	Xinjiang	Halmurat UPUR
<b>No.</b>	<b>Regulatory Affairs</b>	<b>Institute</b>	<b>Region</b>	<b>Corresponding Author</b>
377	Substitution of Flos Campsis by Flos Daturae Metelis - A Case Report	Department of Health	Hong Kong	Xiao-Ling HU
378	What Determines Pharmaceutical Business Value: Evidence from 127 Drugs Marketed in USA?	University of Macau	Macau	Chen CAO
379	Does TCM Have Price Advantage in China Drug Market? - A Comparative Study of TCM Price before and after Establishment of Essential Drug List	University of Macau	Macau	Yan SONG

This year  
and  
Next year  
in  
TAIWAN

*Lin-Huang Huang MD. MPH*

Committee on Chinese Medicine and Pharmacy,  
Department of Health, Taiwan

## Outline

- ◆ To install residency training program in the Chinese Medical Hospitals
- ◆ Accreditation of Chinese Medical Hospitals and Chinese Medical Departments Affiliated with Western Hospitals
- ◆ Special examination
- ◆ Traditional Chinese Medicine Materials Safety Administration
- ◆ Advertisements on Medicaments counseling and consulting committee (333 platform)
- ◆ The standard terminology of Chinese medicine diagnostics
- ◆ CM-WM Interaction Research
- ◆ Adverse Drug Reaction Research
- ◆ Adverse Drug Reaction (ADR) Reporting System for TCM
- ◆ The health education of the Chinese medicine
- ◆ Editing the Taiwan Herbal Pharmacopeia
- ◆ Identification and search information system on Chinese herbal medicine
- ◆ Registration of Single Content TCM Power
- ◆ The Management of Contamination Limits in Concentrated TCM Products
- ◆ Cultivation of medical plants in Taiwan
- ◆ Certificate re-issue for Chinese Herbal Trader
- ◆ Journal of Tradition and Complementary Medicine
- ◆ National Health Insurance
- ◆ About 30% Taiwanese be serviced with TCM

To install residency training program in the  
Chinese Medical Hospitals

- ◆ To find capable teaching hospitals
- ◆ To allocate reasonable resources
- ◆ In charge of 2-year medical residency programs

3

Accreditation of Chinese Medical Hospitals and  
Chinese Medical Departments Affiliated with Western  
Hospitals

- ◆ Field review in the accreditation meeting
- ◆ To recruit expertise from various disciplines of Chinese Medical practitioners (medical doctor, nurse, pharmacist, and administrator) , and build consensus from the pre-meeting
- ◆ Accreditation results for the qualified teaching hospitals  
No. of the hospitals (to apply): 45  
No. of the hospitals (to pass): 40  
excellent: 15 、 qualified: 25)

4

## Stop Special examination

- ◆ 1950-2011: 3,600 people pass the special examination
- ◆ There were 6189 Chinese Medicine doctor graduated from medical schools.

5

## Traditional Chinese Medicine Materials Safety Administration

- ◆ Quality and Safety Assurance
  1. Exchange and cooperation in the standards for the quality and safety of inspection/testing methods.
  2. Mutual assistance for the verification and identification of inspection/ testing certificates.
- ◆ Export Inspection/ Testing Measures
  - ◆ The exporting Party shall conduct inspections/test on traditional Chinese medicine materials to be applied for export.

6



## Traditional Chinese Medicine Materials Safety Administration

- ◆ Monitoring imported traditional Chinese medicine materials inspection
- ◆ In Dec 2011 , 18 kinds of edible traditional Chinese medicine material imported inspection
- ◆ In 2011, 10 kinds of traditional Chinese medicine material imported inspection notified document by Public Notice

7

## Traditional Chinese Medicine Materials Safety Administration

### Imported Monitoring Inspection

#### Random-Selected Batch Inspection

4 kinds

紅棗、黃耆、當歸、甘草

#### Release after Document Examination

10 kinds

紅棗、黃耆、當歸、甘草、  
地黃、川芎、茯苓、白芍、  
白朮及杜仲

- Notified document by Public Notice in 20 July, 2011.
- They will be carried out imported inspection since Sep 15, 2011.

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## Advertisements on Medicaments counseling and consulting committee (333 platform)

- ◆ This year.....
  - ◆ Committee established : 2010/5/4
  - ◆ Members : authority ( 3 ) / law expert ( 3 ) / industry representative ( 3 )
  - ◆ Mission : disputes of drug product which might illegally suggesting medical efficacy
  - ◆ the implementation of results :
    - ◆ 17 cases applicated
      - ◆ 14 cases illegally suggesting medical efficacy

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## The standard terminology of Chinese medicine diagnostics

- ◆ The uncertainty and contradiction of Chinese medicine diagnostics
- ◆ Discussions of literature research and evidence-based medicine
- ◆ Consensus and international Exchanges
- ◆ Education of Chinese medicine diagnostics
- ◆ Clinical use and further research

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### 中西藥交互作用研究 CM-WM Interaction Research

\*About 32.5% of the public in Taiwan's middle region take a combination of Chinese Medicine (CM) and Western medicine (WM).

\*During 2000-2010, the CCMP promotes projects for CM-WM combination uses from perspectives of analysis for scientific theories and evidence based. It had been over a decade, and the research subjects were very extensive, with research team comprising of top domestic and foreign universities.

\*For safe drug use, the CM-WM interaction information website was constructed on the basis of literatures regarding researches of CM-WM interaction selected and summarized to provide professional medical people with an automatic alert system as a reminder of the CM-WM interaction.

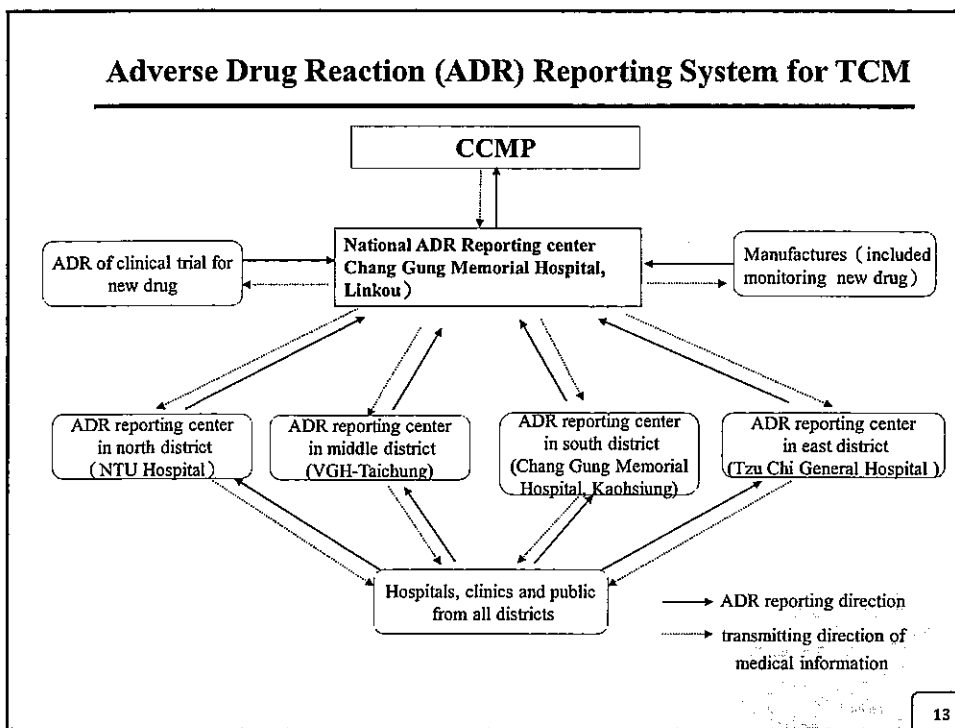
### 藥物不良反應研究 Adverse Drug Reaction Research

\*Entrusted by the Department of Health's Committee on Traditional Chinese Medicine and Pharmacy, Chang Gung Memorial Hospital set up the Adverse Drug Reaction Reporting Center in 2001.

Consisting of five division reporting centers along with six reporting hospitals, this center aims to prevent possible adverse events by gathering, analyzing and distributing data concerning herbal medicine incidents nationwide.

\*Our ADR reporting system is based on the following three core functions.

1. Early Warning,
2. Evaluating and Analyzing the Event,
3. Continued Safety Monitoring.



## The health education of the Chinese medicine

- ◆ The public does not have enough cognition and knowledge of Chinese medicine
- ◆ We will carry out the health education of Chinese medicine, especially
  - ◆ Basic knowledge of Chinese medicine
  - ◆ Health care and promoting of Chinese medicine
  - ◆ Safe medication
    - ◆ Right way to taking medication (Certified doctor and certified Chinese medicine hospital and clinics)
    - ◆ Take medicine under suggestion of doctor and pharmacist, and refuse Non-prescription without certification
    - ◆ Adverse Drug Reaction Reporting System for Traditional Chinese medicine

## Editing the Taiwan Herbal Pharmacopeia

1. The first version of Taiwan Herbal Pharmacopeia was announced on March 9, 2004 and implanted since May 1, 2004. The first version recorded 200 items of crude drugs.

2. In the future, we will compile 100 crude drugs items that were used in National Health Insurance and has not been recorded in Taiwan Herbal Pharmacopeia and the contents will be discussed by the review board meeting.



## Identification and search information system on Chinese herbal medicine

- ◆ We collect and analysis domestic and foreign traditional Chinese medicinal materials related to the authentications of their properties, misapplication or mix-use by people, their tissues or powder, physic and chemical properties, DNA and so on. Also the information of quality standard of traditional Chinese medicinal materials is collected, and to construct the database design as well as web-based program flow charts for the establish of "Chinese Medicine Health, Safety and Protection Web".

## Registration of Single Content TCM Power

- ◆ All single content TCM power need to apply the registration since 2010.
- ◆ 4,200 single content TCM power products have been certificated up to 2011.
- ◆ The single content TCM power products could be used in filling a prescription and the deployment of drugs.

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## The Management of Contamination Limits in Concentrated TCM Products

- ◆ The concentrated TCM products (include single content products and multiple contents products) will be requested to be complied with Taiwan's Contamination Limits of Concentrated TCM Products progressively .
- ◆ Contamination Limits include Total metal amount and Microorganism counts(total counts, E coli and Samonela) .
- ◆ Except Total metal amount and Microorganism counts, 200 Unified Formulas have more seriously limits to arsenic ,cadmium, mercury and lead amount.

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## Contamination Limits in Concentrated TCM Products

Contamination	Limit	Managed TCM Products
Total metal amount	<30 ppm	single content products and multiple contents products
Arsenic	<3 ppm	200 Unified Formulas only
Cadmium	<0.5 ppm	
Mercury	<0.5 ppm	
Lead	<10 ppm	
Total Microorganism counts	<10 <sup>5</sup> cfu/g	single content products and multiple contents products
E. coli	Not detected	
Salmonella	Not detected	

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## Cultivation of medical plants in Taiwan

1. About 90% of medicinal herb used in Taiwan imported from China.
2. There are several potential plant species in Taiwan.
3. We will continue to increase the cultivation of native plants.

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## Certificate re-issue for Chinese Herbal Trader

- ◆ Issue for herbal trader certificate discontinued since 1995.
- ◆ Consider to issue a new certification again.

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## Journal of Traditional and Complementary Medicine

*Journal of Traditional and Complementary Medicine* is a quarterly open access, peer-reviewed, online periodical covering the fields of traditional medicine, preventive herbal medicine, and dietary therapy. Submissions are now open.

- ◆ **Open access** – FREE to view, download, and print; the articles may be read and cited by a larger audience
- ◆ **No processing charge** – accepted articles are published without cost to the authors
- ◆ **Simple submission** – convenient online submission procedure
- ◆ **Peer-review** – rigorous peer review by experts
- ◆ **Speedy publication** – immediate publication on acceptance
- ◆ **Distinctive and friendly TCM terminology** – the technical terms of Chinese medicine are simultaneously given in English, Chinese, and its Pinyin transliteration. Here are the examples, The Divine Husbandman's Herbal Foundation Canon (神農本草經, shén'róng běn cǎo jīng), Gastrodiae Rhizoma (天麻, tiān má), pulmonary distention (肺脹, fèi zhàng).

We wish to thank Nigel Wiseman, Chang Gung University, Taiwan, and Paradigm Publications, MA, USA for providing the English-Chinese Medical Term Standards.

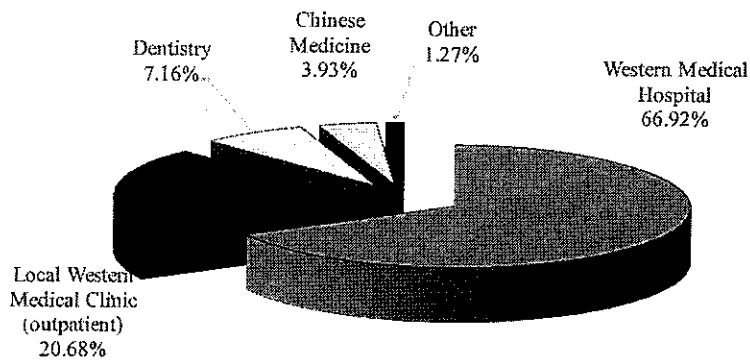
Website: <http://www.jtcm.org> Email: [jtcmcd@gmail.com](mailto:jtcmcd@gmail.com)

Publisher: Committee on Chinese Medicine and Pharmacy (CCMP), Taiwan





### Estimated Medical fee of National Health Insurance (NHI)

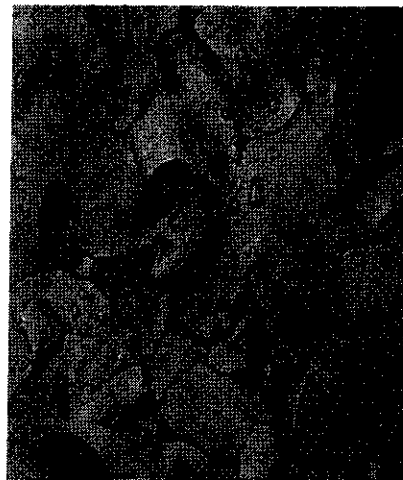


- The Chinese medicine has been developed for several thousand years.
- In order to meet the people's favor, many institutes keep arguing for decades that the Chinese Medicine Insurance should be involved into the whole system of the National Health Insurance.

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### About 30% Taiwanese be serviced with TCM

- ◇ Herbal medicine
- ◇ Acupuncture
- ◇ Taiwanese massage
- ◇ Others



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