

**The following members are affiliated to The Asia-Pacific Institute of Business. Please refer to listings under the individual CUHK staff members for more information related to the Institute.**

YOUNG Leslie (Finance)

HAN Li Ming (Finance)

LU Yuan (Management)

**The following members are affiliated to the Hong Kong Cancer Institute. Please refer to listing under the individual CUHK staff member for more information related to the Institute.**

BURD David Andrew Ross (Surgery)  
CHAN Tak Cheung Anthony (Clinical Oncology)  
CHAN Wing Yee (Anatomical and Cellular Pathology)  
CHEN Gong George (Surgery)  
CHIU Wai Kwan Rossa (Chemical Pathology)  
CHIU Yiu Loon (Clinical Immunology Unit)  
KUMTA Shekhar Madhukar (Orthopaedics and Traumatology)  
LAI Bo Shan Paul (Surgery)  
LAM Wai Kei Christopher (Chemical Pathology)  
LAU Wan Yee Joseph (Surgery)  
LIEW Choong Tsek (Anatomical and Cellular Pathology)  
LO Kwok Wai (Anatomical and Cellular Pathology)  
LO Yuk Ming Dennis (Chemical Pathology)  
NG Ho Keung (Anatomical and Cellular Pathology)  
PANG Chung Sean Jesse (Anatomical and Cellular Pathology)  
POON Chuen Wai Terence (Clinical Oncology)  
SUNG Jao Yiu (Medicine and Therapeutics)  
WONG Nathalie (Clinical Oncology)  
ZEE Chung Ying Benny (Clinical Oncology)

The following members are affiliated to the Hong Kong Cancer Institute. Please refer to listing under the individual CUHK staff member for more information related to the Institute.

**Comprehensive Cancer Trials Unit (CCTU)**

CHAK Yin Mui Karen	Clinical Oncology
CHAN Lam	Clinical Oncology
CHAN Mei Sze Maisie	Clinical Oncology
CHAN Tak Cheung Anthony	Clinical Oncology
CHIU Kwok Wing	Clinical Oncology
CHU Hiu Man Emily	Clinical Oncology
HO Ngan Ling Rosalie	Clinical Oncology
HO Wing Ming	Clinical Oncology
HUI Pun	Clinical Oncology
KOH Chun Jane	Clinical Oncology
LAI Ming Po Maria	Clinical Oncology
LAM Kwok Chi	Clinical Oncology
LEE Jock Wai Jack	Clinical Oncology
LEE Kit Man Angel	Clinical Oncology
LEE Shuk Han Phoebe	Clinical Oncology
LEI IK Kenny	Clinical Oncology
LEUNG Sing Fai	Clinical Oncology
LI Wa	Clinical Oncology
MA Brigitte	Clinical Oncology
Mak Suzanne	Clinical Oncology
MO Kwok Fai Frankie	Clinical Oncology
MOK SK Tony	Clinical Oncology
NG Jennifer	Clinical Oncology
TSE Ka Yin Karin	Clinical Oncology
WONG Herman	Clinical Oncology
WONG Kin Ping Andrew	Clinical Oncology
YAU Sau Han	Clinical Oncology
YEO Winnie	Clinical Oncology
YU Kwok Hung	Clinical Oncology
ZEE Chung Ying Benny	School of Public Health

**Cancer Patient Resource Centre (CPRC)**

CHAN Eunice	Clinical Oncology
CHAN Hoi Sze Gloria	Clinical Oncology
LAI Shui Ling Karen	Clinical Oncology
LEE Idy	Clinical Oncology
MOK SK Tony	Clinical Oncology
WONG Man Wing Connie	Clinical Oncology

**Research Laboratories**

CHAN Wing Yee	Anatomical and Cellular Pathology
CHAN Yat Yee Sylvia	Anatomical and Cellular Pathology
CHAN Yuen Yee Kathy	Anatomical and Cellular Pathology
CHOW Lillian	Anatomical and Cellular Pathology
GOH Jennifer	Anatomical and Cellular Pathology
HUI Bik Yu Angela	Anatomical and Cellular Pathology
HUI Wai Ying Jan	Anatomical and Cellular Pathology
HUNG Katherine	Anatomical and Cellular Pathology
LAM Cleo	Anatomical and Cellular Pathology
LAW Burnman	Anatomical and Cellular Pathology
LIEW Choong Tsek	Anatomical and Cellular Pathology
LO Kwok Wai	Anatomical and Cellular Pathology
NG Ho Keung	Anatomical and Cellular Pathology
NG Wah	Anatomical and Cellular Pathology
OR Yvonne	Anatomical and Cellular Pathology
PANG Chung Sean Jesse	Anatomical and Cellular Pathology
WONG Albert	Anatomical and Cellular Pathology
WONG Nathalie	Anatomical and Cellular Pathology
WONG Navy	Anatomical and Cellular Pathology
WONG Queenie	Anatomical and Cellular Pathology
YUEN Jessie	Anatomical and Cellular Pathology
CHAN Kwan Chee Allen	Chemical Pathology
CHAN Yuen Shan Lisa	Chemical Pathology
CHIM Siu Chung Stephen	Chemical Pathology
CHIU Wai Kwun Rossa	Chemical Pathology
CHOW Ching Kei Katherine	Chemical Pathology
CHUNG Tin Yun Grace	Chemical Pathology
HEUNG Mei Sze, Macy	Chemical Pathology
HO Chung Shun	Chemical Pathology
JIN Yongjie Yoyo	Chemical Pathology
KOON Sau Ngan Elvis	Chemical Pathology
LAI Yau Lin Caroline	Chemical Pathology
LAM Nicole	Chemical Pathology
LAM WK Christopher	Chemical Pathology
LAW Eric LK	Chemical Pathology
LEE Wing Shan Coral	Chemical Pathology
LEE Yuen Han Tracy	Chemical Pathology
LO Yuk Ming Dennis	Chemical Pathology
LUI Wing Bong Stephen	Chemical Pathology
LUN Fiona	Chemical Pathology
PANG WH Eric	Chemical Pathology
TONG S F Shirley	Chemical Pathology
TONG Yu Kwan	Chemical Pathology
TSUI Nancy	Chemical Pathology

WONG Blenda	Chemical Pathology
YEUNG Sze Wan	Chemical Pathology
YU Xiongwen	Chemical Pathology
CHAN Chung Lap Ben	Clinical Immunology Unit
CHAN Kar Keung	Clinical Immunology Unit
CHUI Yiu Loong	Clinical Immunology Unit
TAM Ka Ying	Clinical Immunology Unit
CHAN Ming Lok Charles	Clinical Oncology
CHAN Sai Kit Andrew	Clinical Oncology
CHAN Tak Cheung Anthony	Clinical Oncology
CHOI Pui Yu Eve	Clinical Oncology
CUI Yan	Clinical Oncology
LAM Yan Yee Money	Clinical Oncology
LI Hong Yu	Clinical Oncology
SY Ming Hui Shirley	Clinical Oncology
TAO Qian	Clinical Oncology
WONG Mei Yan Wendy	Clinical Oncology
WONG Sze Chuen Cesar	Clinical Oncology
WONG Wai Lap	Clinical Oncology
YAU Mei Sze Daisy	Clinical Oncology
YING JianMing	Clinical Oncology
YUEN Bing Sum Joyce	Clinical Oncology
ANG Ling Irene	Medicine & Therapeutics
CHAN Chi Wai, Martin	Medicine & Therapeutics
CHAN Lik Yuen	Medicine & Therapeutics
CHAN Yik Wai Victor	Medicine & Therapeutics
CHENG Yuen Yee Victoria	Medicine & Therapeutics
CHOR Sin Yee Josette	Medicine & Therapeutics
CHOW Shuk Man	Medicine & Therapeutics
CHU Siu Hong Eagle	Medicine & Therapeutics
CHU Wai Kit	Medicine & Therapeutics
GO Yin Yin Minnie	Medicine & Therapeutics
HUI Yui	Medicine & Therapeutics
KWAN Yau Yung Katherine	Medicine & Therapeutics
LAW Man Yee Floss	Medicine & Therapeutics
LEE Mei Lan May	Medicine & Therapeutics
LEUNG Sau Ching Rosanna	Medicine & Therapeutics
LEUNG Wai Keung	Medicine & Therapeutics
LIU Sandra	Medicine & Therapeutics
MAN Pui Sum	Medicine & Therapeutics
NG Chi Wai	Medicine & Therapeutics
PANG Ting Kai Ronald	Medicine & Therapeutics
POON Chuen Wai Terence	Medicine & Therapeutics
SUNG Jao Yiu Joseph	Medicine & Therapeutics
TSE Chi Hang	Medicine & Therapeutics
TSE Mei Ling Ada	Medicine & Therapeutics

WONG May Ling May	Medicine & Therapeutics
WONG Yim Ping Christine	Medicine & Therapeutics
YIM Ka Wing Louise	Medicine & Therapeutics
YU Chi Wing Alex	Medicine & Therapeutics
CHEUK Yau Chuk Maggie	Orthopaedics & Traumatology
CHEUNG Wing Hoi Louis	Orthopaedics & Traumatology
FU Linda	Orthopaedics & Traumatology
FU Sai Chuen Bruma	Orthopaedics & Traumatology
KUMTA Shekhar Madhukar	Orthopaedics & Traumatology
MA Horace	Orthopaedics & Traumatology
QIN Ling	Orthopaedics & Traumatology
YEUNG Hiu Yan Benson	Orthopaedics & Traumatology
BURD David Andrew Ross	Surgery
CHAN David	Surgery
CHEN Gong George	Surgery
CHUN Suk Ying	Surgery
FUNG King Yip	Surgery
GU Hua	Surgery
HUANG Lin Linda	Surgery
HUNG Siu Chun	Surgery
KWOK Chi Ho Stanley	Surgery
LAI Bo Shan Paul	Surgery
LAU Wan Yee Joseph	Surgery
LEUNG Cheuk Sing Billy	Surgery
LEUNG Kin Chung	Surgery
LIU Hanching	Surgery
LU Gang	Surgery
LUNG Wing Hung Ivan	Surgery
MIAO Ji	Surgery
POON Kwok Man Vincent	Surgery
SHUM Cathy	Surgery
TIAN Qihong	Surgery
ZENG Qiang	Surgery

**Hong Kong Cancer Institute**

CHAN Tak Cheung Anthony  
LIN Xiao Rong  
NGAN Fung Yee Nicole  
SUNG Lan Fion

## RESEARCH PROJECTS

Please refer to previous issues of this publication for more details of the following ongoing research at the department:

Edition Title/Investigators

2000-01 Developing China's West: A Critical Path to Balanced Natural Development (SS00566)  
 ✍ YEUNG Yue Man • SHEN Jianfa (Dept of Geography & Resource Management)

✍

2001-02 Fifty Years of Public Housing in Hong Kong (SS01633)

✍ YEUNG Yue Man • WONG Ka Ying Timothy

2002-03 Hong Kong and the Western Pearl River Delta: Cooperative Development from a Cross-Border Perspective (SS02499)

✍ YEUNG Yue Man • SHEN Jianfa (Dept of Geography & Resource Management) • ZHANG Li (Dept of Geography & Resource Management)

The following members are affiliated to the Hong Kong Institute of Asia-Pacific Studies. Please refer to listings under the individual CUHK staff members for more information related to the Institute.

CHEUNG Mui Ching Fanny (Psychology)

KUAN Hsin Chi (Government & Public Administration)

LAU Siu Kai (Sociology)

LIU Pak Wai (Economics)

SHEN Jianfa (Geography)

SUNG Yun Wing (Economics)

TAN Chee Beng (Anthropology)

YEUNG Yue Man

YIP Hon Ming (History)



**The following members are affiliated to the Hong Kong Institute of Educational Research. Please refer to listings under the individual CUHK staff members for more information related to the Institute.**

LO Leslie Nai Kwai (Educational Administration & Policy)

HAU Kit Tai (Educational Psychology)

TSANG Wing Kwong (Educational Administration & Policy)

WONG Hin Wah (Curriculum & Instruction)

## RESEARCH PROJECTS

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### **Authentication and Quality Assessment of Chinese Medicinal Materials by DNA and Chemical Technologies**

✍ SHAW Pang Chui • BUT Pui Hay Paul (Dept of Biology)

☐ 1 December 2003

❖ Hong Kong Jockey Club Institute of Chinese Medicine Limited

Quality assurance of TCM products stems from genuine materials authenticated with unique and characteristic molecular and chemical profiles and markers. In order to provide high quality TCM products to compete for the international market and to avoid misuse of herbal materials, it is essential for Hong Kong to establish data and means for accurate quality assurance. We have extensive expertise and experience in the authentication and quality control of Chinese medicine. We propose to develop a combined DNA and chemical strategy for authentication and quality control. This strategy employs DNA sequences together with chemical profiles or markers, to serve as the basis for the development of protocols for fast identification and quality control. To establish the methodology and reference data, we shall start with a number of

commonly used or toxic materials. For each medicinal material, commonly found related substitutes would also be tested, as they may have similar but not identical markers. The total number of medicinal materials involved will be 101 and 3-4 samples from different sources will be obtained for each material. The data will aid the authentication of raw materials and medicinal materials at various stages of manufacturing. The markers generated may also be used or further developed for quality control.

(BL03409)

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### **Bioassay-guided Isolation, Characterization, and Mechanistic Study of the Bioactive Components from *Paeonia Lactiflora*, *Sophora Flavescens*, *Oldenlandia Diffusa* and *Scutellaria Barbata* for the Anti-proliferative Effect on Human Hepatoma Cells *in Vitro* and *in Vivo***

✍ FUNG Kwok Pui • KONG Siu Kai (Biochemistry) • MAK Thomas Chung Wai (Dept of Chemistry) • TSUI Kwok Wing • WAYE Mary Miu Yee

☐ 1 October 2003

❖ Research Grants Council (Earmarked Grants)

The main objective of the present research is to identify the *in vitro* and *in vivo* anti-proliferative efficiency and the action mechanisms of four TCM on human hepatoma cells (HepG2 cells): the root of *Paeonia lactiflora*, the root of *Sophora flavescens*, the whole plant of *Oldenlandia diffusa* and the aerial

part of *Scutellaria barbata*. Then, guided by the results of antitumor activity, we will isolate, purify and characterize the bioactive components in these four TCM. We will also study the probable circumvention of multidrug resistance of these four TCM and their active components and the mechanisms involved using multidrug-resistant hepatoma cells (HepG2/DR cells) *in vitro* and *in vivo*. Combined treatment is another important aim of this project. We hope to develop a scientific-based strategies in studying the anti-proliferative efficiency on hepatomas cells (HepG2 cells and HepG2/DR cells) when more than two of these TCM are used in combination in one prescription. Since the most common adverse side effects of conventional anti-tumor drugs to the host is cardiotoxicity, the probable toxic effect of the herbs and their active components, in single or combined treatment, on the heart and liver of the HepG2-cells-bearing mice will be examined. The results of this research are expected to provide a scientific basis for clinical usage of these TCM and the identification of new potential compounds leading to safe and effective drug development for the treatment of hepatoma. (CU03399)

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**National Institutes of Health - US-China-Japan  
Research Consortium on Herbal Medicine**

✉ LEUNG Ping Chung • FUNG Kwok Pui (Biochemistry) • BUT Pui Hay Paul (Dept of Biology) • LEE Ming Yuen (Institute of Chinese Medicine) • FONG Yuet Shim Carmen (Institute of Chinese Medicine)

☐ 25 September 2003

❖ National Center for Complementary and Alternative Medicine, NIH

This is one of the first research projects awarded grants by the National Centre for Complementary and Alternative Medicine (NCCAM) of the National Institutes of Health (NIH) to support new partnerships between US and international research teams to create the infrastructure and scientific foundation for research into complementary and alternative medicine. The US-China-Japan Research Consortium on Herbal Medicine is led by the Harvard Medical School, with participation from the Institute of Chinese Medicine, the China Academy of Traditional Chinese Medicine, and Keio University of Japan. Promising herbal medicines for untreatable diseases will be identified and procured, extracted, characterized and tested for the systematical evaluation of quality, safety, efficacy and the basic scientific mechanism. Further preclinical testing and multi-site international human clinical trials are anticipated for the second phase. (MD00555)

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**Please refer to previous issues of this publication for more details of the following ongoing research at the department:**

<u>Edition</u>	<u>Title/Investigators</u>
2002-03	A Pharmacokinetic-Genomic Approach for Predicting Herb-Drug Interactions : An Initial Evaluation Using Ginkgo Biloba (CU02180)  ✉ CHOW Sing Sum Moses • TOMLINSON Brian (Dept of Medicine & Therapeutics) • WAYE Mary Miu Yee (Biochemistry) • ZUO Zhong

- |         |  |         |  |
|---------|--|---------|--|
| 2001-02 | Development of a Ganoderma (Lingzhi) and Coriolus (Yunzhi) Formula as an Anti-cancer Agent (MD01301)   | 2000-01 | Development and Clinical Trials of Compound Yun Zhi (Jiang Su) and Danshen (He Nan) Products (MD20043)   |
|         | <ul style="list-style-type: none"> <li>✍ LAU Bik San Clara • ZUO Zhong • CHOW Sing Sum Moses • FUNG Kwok Pui (Biochemistry) • LEUNG Kwok Nam (Biochemistry) • LIN Ge (Dept of Pharmacology) • JAMES Anthony Edward (Laboratory Animal Services Centre) • SHAW Pang Chui (Biochemistry) • BUSWELL John Anthony (College Office, SC) • LIEBERMAN Ron*</li> </ul>   |         | <ul style="list-style-type: none"> <li>✍ LEUNG Ping Chung • FUNG Kwok Pui (Biochemistry) • LAM Wai Kei Christopher (Dept of Chemical Pathology)</li> </ul> |
|         |  | 2001-02 | Mechanistic Study of Anti-tumour Effect of Natural and Synthetic Saponins (MD01668)  |
|         |  |         | <ul style="list-style-type: none"> <li>✍ FUNG Kwok Pui</li> </ul>  |
| 2001-02 | Herbal Formula for Prevention and Treatment of Osteoporosis - A Rat Model (MD01097)  |         |  |
|         | <ul style="list-style-type: none"> <li>✍ LEUNG Ping Chung • FU Sai Chuen Bruma (Lee Hysan Clinical Research Laboratories) • FUNG Kwok Pui (Biochemistry) • QIN Ling • SHI Yin Yu*</li> </ul>   |         |  |
| 2001-02 | Chinese Medicine Research and Further Development (MD01714)  |         |  |
|         | <ul style="list-style-type: none"> <li>✍ LEUNG Ping Chung • FUNG Kwok Pui (Biochemistry) • SUNG Joseph Jao Yiu (Dept of Medicine &amp; Therapeutics) • HAINES Christopher John (Dept of Obstetrics &amp; Gynaecology) • SUNG Yn Tz Rita (Dept of Paediatrics) • WOO Kam Sang (Dept of Medicine &amp; Therapeutics) • CHE Chun Tao (School of Chinese Medicine) • CHAU F T* • TSIM Karl W K* • FONG W F*</li> </ul> |         |  |

**The following members are affiliated to the Institute of Chinese Medicine. Please refer to listings under the individual CUHK staff members for more information related to the Institute.**

**Clinical Trials Section**

CHAN Andrew Y. Y. (Planning Office)  
CHAN Kai Ming Cavor (Orthopaedics & Traumatology)  
CHAN Lung Wai (Surgery)  
CHAN Shiu Yee Cynthia (Community & Family Medicine)  
HAINES Christopher John (Obstetrics & Gynaecology)  
LAM Shun Chiu Dennis (Ophthalmology & Visual Sciences)  
LAM Wai Kei Christopher (Chemical Pathology)  
LAU Tak Fai Joseph (Centre for Clinical Trials & Epidemiological Research)  
LEUNG Ka Lau (Surgery)  
LEUNG Ping Chung (Orthopaedics & Traumatology)  
MOK Shu Kam Tony (Clinical Oncology)  
PANG Chi Pui Calvin (Ophthalmology & Visual Sciences)  
SUNG Jao Yiu Joseph (Medicine & Therapeutics)  
SUNG Yn Tz Rita (Paediatrics)  
TANG Jinling (Community & Family Medicine)  
TOMLINSON Brian (Medicine and Therapeutics)  
TONG Michael C. F. (Surgery)  
WING Yun Kwok (Psychiatry)  
YEUNG Chung Kwong (Surgery)

**Drug Development Section**

BAUM Lawrence (Medicine & Therapeutics)  
BURD David Andrew Ross (Surgery)  
BUT Pui Hay Paul (Biology)  
CHAN Ho Yin Edwin (Biochemistry)  
CHAN Hsiao Chang (Physiology)  
CHAN Wing Yee (Anatomical & Cellular Pathology)  
CHAN Wood Yee (Anatomy)  
CHAN Tak Cheung Anthony (Clinical Oncology)  
CHE Chun Tao (Chinese Medicine)  
CHEN Zhen Yu (Biochemistry)  
CHEUNG Wing Tai (Biochemistry)

CHOW Hee Lum Albert (Pharmacy)  
CHOW Lok Yee (Psychiatry)  
CHOW Sing Sum Moses (Pharmacy)  
FISCUS Ronald Ray (Physiology)  
FOK Tai Fai (Paediatrics)  
FUNG Kwok Pui (Biochemistry)  
HO Yee Ping (Pharmacy)  
HO Walter K. K. (Biochemistry)  
HUANG Yu (Physiology)  
JAMES Anthony Edward (Laboratory Animal Services Centre)  
LAM Wai Kei Christopher (Chemical Pathology)  
LEUNG Kwok Nam (Biochemistry)  
LIN Ge (Pharmacology)  
NG Ho Keung (Anatomical & Cellular Pathology)  
OOI Vincent E. C. (Biology)  
SHAW Pang Chui (Biochemistry)  
TANG Jinling (Community & Family Medicine)  
WAN Chi Cheong David (Biochemistry)  
WANG Jun (Biochemistry)  
WAYE Miu Yee Mary (Biochemistry)  
YAO Xiaoqiang (Physiology)  
YEUNG Hok Keung John (Pharmacology)  
YEW Tai Wai David (Anatomy)  
ZHANG Yuanting (Electronic Engineering)

#### Information Section

BUT Pui Hay Paul (Biology)  
CHANG Ming Yuen Michael (Information Engineering)  
CHE Chun Tao (Chinese Medicine)  
FUNG Kwok Pui (Biochemistry)  
KAN Wing Kay (Computer Science & Engineering)  
KWOK Siu Tong (History)  
LI Wen Jung (Automation & Computer-Aided Engineering)  
MAK Thomas C. W. (Chemistry)  
SHAW Pang Chui (Biochemistry)  
YANG Chuen Chi Christopher (Systems Engineering & Engineering Management)  
ZHANG Yuanting (Electronic Engineering)

Public & General Education Section

CHIU Siu Wai (Biology)  
HUI Glen K. C. (Chemistry)  
LEE Kenneth K. C. (School of Pharmacy)  
LEE Vivian W. Y. (School of Pharmacy)  
YOU Joyce H. S. (School of Pharmacy)  
YU Chai Mei Jimmy (Chemistry)

**Standardization & Safety of Chinese Medicines Section**

BUT Pui Hay Paul (Biology)  
CHE Chun Tao (Chinese Medicine)  
CHAN Hsiao Chang (Physiology)  
CHAN Tak Wah Dominic (Chemistry)  
CHAN Wood Yee (Anatomy)  
CHAN Yan Keung Thomas (Medicine & Therapeutics)  
CHEUNG Chi Keung Peter (Biology)  
CHIU Siu Wai (Biology)  
CHUNG Hau Yin Anthony (Biology)  
HO Wing Shing John (Biochemistry)  
HO Yee Ping (Pharmacy)  
KWAN Hoi Shan (Biology)  
LIN Ge (Pharmacology)  
LIU Wing Keung Ken (Anatomy)  
NG Tzi Bun (Biochemistry)  
OOI Vincent E. C. (Biology)  
SHAW Pang Chui (Biochemistry)  
TOMLINSON Brian (Medicine & Therapeutics)  
WANG Jun (Biochemistry)  
WONG Po Keung (Biology)  
YEUNG Hok Keung John (Pharmacology)  
YU Chai Mei Jimmy (Chemistry)

**Natural Products Section**

BUT Paul P. H. (Biology)  
CHE Chun Tao (Chinese Medicine)  
FUNG Kwok Pui (Biochemistry)

LAM Sherlock S. L. (Chemistry)

LAU Clara B. S. (School of Pharmacy)

LEE Hung Kay (Chemistry)

MAK Thomas C. W. (Chemistry)

WONG Nai Ching Henry (Chemistry)



**The following members are affiliated to the Centres under the Institute of Chinese Studies. Please refer to listings under the individual CUHK staff members for more information related to the Centres.**

CHAN Hok Lam (History)

CHANG Song Hing (Chinese Language & Literature)

FAN Sin Piu (Chinese Language & Literature)

HO Che Wah (Chinese Language & Literature)

JAO Tsung I (Fine Arts)

VERELLEN Franciscus (Religion)

## RESEARCH PROJECTS

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### Authenticity Studies of Ancient Chinese Gold Ornaments using Surface Science Techniques

✍ LAM Yip Keung Peter • HARK Sui Kong (Dept of Physics) • KWOK Wai Man Raymund (Dept of Chemistry) • MARK Kai Keung (Dept of Community and Family Medicine) • WONG Sai Peng Joseph (Dept of Electronic Engineering)

☐ 1 November 2003

❖ Research Grants Council (Earmarked Grants)

Gold with its attractive colour and luster, remains – as it has always been – a substance which is also very precious because it is very rare. The surface of a genuine piece of gold artifact does not change during the long passage of time, making it very difficult to differentiate the old and the new just by looking at the surface using stylistic analysis. This proposal aims to address this issue by the study of a large selection of ancient Chinese gold ornaments using non-destructive surface science techniques, through:

- Determining the purity of gold artifacts
- Tracing the provenance of the ore by composition and trace elements
- Identifying the manufacturing procedures
- Examination of joining techniques and morphology of soldered joints

Observation of decoration and finishing techniques, and

Detecting the fakes by the abnormal, atypical features

The project combines the two disciplines of art history and science and introduces high technology into subjective art studies. The database of information generated from the study will provide a most useful reference tool for serious students, collectors, museum curators, and connoisseurs of ancient Chinese art. It is envisaged that the study will also be useful in the identification of fake gold artifacts, and the authentication services can be provided to the general public.

(CU03101)

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**Please refer to previous issues of this publication for more details of the following ongoing research at the department:**

Edition	Title/Investigators
2001-02	A Comprehensive Study of Song Rubbings of the Chunhua Ge Tie (AL01274) ✍ LAM Yip Keung Peter • LEE Yun Woon (Dept of Fine Arts) • MOK Kar Leung Harold (Dept of Fine Arts) • XU Zhongling#

## RESEARCH PROJECTS

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### 良渚玉器及其影響

#### Zhejiang, Archaeological Study

✉ 鄧聰 TANG Chung

□ 4 September 2003

❖ 北山堂基金

良渚文化出土的玉器，對東南亞南部古文明產生過重要影響。近年來浙江省文物考古研究所專家對良渚文化的居住遺跡、墓地、祭壇等聚落性的分布研究，有了長足的發展；對良渚文化的陶器、石器和玉器的深入研究，也獲得豐富的成果。

另一方面，本校近年在珠江流域及越南紅河一帶，對史前玉器作坊進行廣泛調查研究。目前的成果顯示，嶺南玉器技術的來源，可能與長江流域良渚文化有著密切關係。我們嘗試從良渚文化出土玉器，探討這段時期的玉器對嶺南以至東南亞地區古文化的影響。

(SS03660)

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### "香港古文化之旅" 光碟三集製作

#### CD-ROM Production for "A Journey into Hong Kong Ancient Cultures" (Three Volumes)

✉ 鄧聰 TANG Chung • 吳志華 NG Chi Wa\*

□ 4 May 2004

❖ Lord Wilson Heritage Trust

「香港古文化之旅」是一套開創性光碟片集的製作。其目的將香港歷史從「一條小漁村」或「文化沙漠」的舊框架中釋放出來，用極其醒目的標題，深入淺出的旁述，從新角度、多層面及現代尖端科技手法，揭露香港古文化嶄新的面貌。本片集由香港政府古物古蹟辦事處及本校的專家，共同攜手傾力製作。製作隊將在香港、中國大陸等地實地拍攝，全面綜合多年來香港古文化新發現和研究成果。我們首先選取第一至三集拍攝，分別為「古陶光輝」、「衣服溯源」、「原始人扮靚」。從日常生活用器、衣服及裝扮三方面，介紹香港古代居民的生活情況。

(SS03467)

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**Please refer to previous issues of this publication for more details of the following ongoing research at the department:**

Edition	Title/Investigators
2002-03	A Study of Slit Rings in East Asia Archaeology (CU02009) ✉ TANG Chung • KOMISSAROV Sergei A* • MOU Yongkang* • NGUYEN Kim Dung* • TSIEN Hsien Ho*

## RESEARCH PROJECTS

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Please refer to previous issues of this publication for more details of the following ongoing research at the department:

- 2002-03 A Quantitative Study of China's Selective Absorption of Modern Western Ideas and the Origin of Certain Key Concepts (1840-1914) (CU02006)
- ✉ JIN Guantao • LIU Qingfeng • XIONG Yuezhi\*

Edition Title/Investigators

## RESEARCH PROJECTS

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Please refer to previous issues of this publication for more details of the following ongoing research at the department:

Edition	Title/Investigators
2002-03	Chinese Translation History (AL02361) ✉ HUNG Wai Yee Eva

**The following members are affiliated to The Institute of Mathematical Sciences. Please refer to listings under the individual CUHK staff members for more information related to the Institute.**

AU Kwok Keung Thomas (Mathematics)  
CHAN Ho Fu Raymond (Mathematics)  
CHAN Ngai Hang (Statistics)  
CHING Pak Chung (Electronic Engineering)  
CHOU Kai Seng (Mathematics)  
GU Ming Gao (Statistics)  
HUI Pak Ming (Physics)  
LAI Hon Ming (Physics)  
LAU Ka Sing (Mathematics)  
LEE Sik Yum (Statistics)  
LEUNG Nai-chung, Conan (Mathematics)  
LUI Chi Shing John (Computer Science & Engineering)  
LUK Hing Sun (Mathematics)  
NG Kung Fu (Mathematics)  
TAM Luen Fai (Mathematics)  
WAN Yau Heng Tom (Mathematics)  
WEI Jun Cheng (Mathematics)  
WONG Wing Shing (Information Engineering)  
XIN Zhou Ping (Mathematics)  
YANG Chen Ning (Physics)  
YAO Da Wei David (Systems Engineering & Engineering Management)  
YAU Shing Tung (Mathematics)  
YEUNG Wai Ho Raymond (Information Engineering)  
YOUNG Kenneth (Physics)  
YOUNG Leslie (Finance)  
ZHOU Xun Yu (Systems Engineering & Engineering Management)  
ZOU Jun (Mathematics)

**The following members are affiliated to the Institute of Science & Technology. Please refer to listings under the individual CUHK staff members for more information related to the Institute.**

### **Hong Kong Bioinformatics Centre**

FUNG Kwok Pui (Biochemistry)  
HO Walter K K (Biochemistry)  
LEUNG Kwan Chi (Biochemistry)  
SHAW Pang Chui (Biochemistry)  
TSUI Kwok Wing Stephen (Biochemistry)  
WAN Chi Cheong David (Biochemistry)  
WAYE Miu Yee Mary (Biochemistry)  
WONG Kam Bo (Biochemistry)

### **Hong Kong Centre of Sports Medicine & Sports Science**

CHAN Kai Ming (Orthopaedics & Traumatology)  
CHENG Chun Yiu Jack (Orthopaedics & Traumatology)  
FOK Tai Fai (Dean, Faculty of Medicine)  
FU Sai Chuen Bruma (Orthopaedics & Traumatology)  
HA Sau Ching Amy (Sports Science & Physical Education)  
HENG Pheng Ann (Computer Science & Engineering)  
HO CHAN Sut Ying Suzanne (Community & Family Medicine)  
HONG Youlian (Sports Science & Physical Education)  
HUI Sai Chuen Stanley (Sports Science & Physical Education)  
HUNG Leung Kim (Orthopaedics & Traumatology)  
JOHNS David Paul (Sports Science & Physical Education)  
KUMTA Shekhar Madhukar (Orthopaedics & Traumatology)  
KWOK Chi Yui Timothy (Medicine & Therapeutics)  
LEE Albert (Community & Family Medicine)  
LEE Ka Ho Kenneth (Anatomy)  
LEE Kwong Man Simon (Lee Hysan Clinical Research Laboratories)  
LEE Shiu Hung (Public Health)  
LEUNG Kwok Sui (Orthopaedics & Traumatology)  
LEUNG Ping Chung (Orthopaedics & Traumatology)  
LO Yuen Cheong (Physical Education Unit)  
QIN Ling (Orthopaedics & Traumatology)  
SUNG Yn Tz Rita (Paediatrics)  
WONG Heung Sang Stephen (Sports Science & Physical Education)

WONG Wan Nar Margaret (Orthopaedics & Traumatology)

WOO Jean (Medicine & Therapeutics)

WOO Kam Sang (Medicine & Therapeutics)

YUEN Pak Yan (Physical Education Unit)

### **Joint Laboratory for Geoinformation Science**

CHEN Yongqin David (Geography & Resource Management)

FU Wai Chee Ada (Computer Science & Engineering)

FUNG Tung (Geography & Resource Management)

KWAN Tze Wan (Philosophy)

LAM Chi Chung (Curriculum & Instruction)

LAM Kai Pui (Systems Engineering & Engineering Management)

LEUNG Kwong Sak (Computer Science & Engineering)

LEUNG Yee (Geography & Resource Management)

LI Duan (Systems Engineering & Engineering Management)

LIEW Soung Chang (Information Engineering)

LIN Hui (Geography & Resource Management)

LYU Rung Tsong (Computer Science & Engineering)

MARAFI Lawal Mohammed (Geography & Resource Management)

NG Fung Yee Linda (Decision Sciences & Managerial Economics)

PENG Yuseng (Sociology)

SHEN Jianfa (Geography & Resource Management)

SO Kee Long Billy (History)

SUN Hanqiu (Computer Science & Engineering)

TANG Chung (Centre for Chinese Archaeology & Art)

TONG Fuk Kay Franklin (Information Engineering)

TSOU Jin Yeu (Architecture)

TUAN Chyau (Decision Sciences & Managerial Economics)

WONG Tze Wai (Community & Family Medicine)

XU Yangsheng (Automation & Computer-Aided Engineering)

YANG Limin (Joint Laboratory for Geoinformation Science)

ZOU Jun (Mathematics)

### **Materials Science & Technology Research Centre**

CHAN Kam Tai (Electronic Engineering)

CHOW Hak Fun (Chemistry)



HARK Sui Kong (Physics)  
HO Ho Pui Aaron (Electronic Engineering)  
KUI Hin Wing (Physics)  
LAM Yip Keung Peter (Institute of Chinese Studies – Art Museum)  
LAU Woon Ming Leo (Physics)  
LEE Wing Kee (Physics)  
LEUNG Wing Por Kevin (Chemistry)  
LI Quan (Physics)  
LI Wen Jung (Automation & Computer-Aided Engineering)  
LIAO Wei Hsin (Automation & Computer-Aided Engineering)  
LIN Hai Qing (Physics)  
LIU Zhi Feng (Chemistry)  
NG Hang Leung (Physics)  
NG Kee Pui Dennis (Chemistry)  
ONG Hock Chun Daniel (Physics)  
TSANG Hon Ki (Electronic Engineering)  
WONG Hong Kuen (Physics)  
WONG King Young (Physics)  
WONG Sai Peng (Electronic Engineering)  
WU Chi (Chemistry)  
XU Jian Bin (Electronic Engineering)  
YU Chai Mei Jimmy (Chemistry)  
XIE Zuowei (Chemistry)

The Research Institute for the Humanities (R.I.H.) was restructured in 2002 by consolidating some of the existing research centres and establishing new research centres. Currently, six Research Centre are housed under the R.I.H.:

The Research Centre for Comparative City Culture

(Centre Director: Professor LEUNG Yuen-sang)

The Research Centre for Cross-cultural Studies

(Centre Director: Professor KWOK Siu-tong)

The Research Centre for Confucian Studies

(Centre Director: Professor Chu Hung-lam)

The Research Centre for Humanities Computing

(Centre Director: Professor KWAN Tze-kwan)

The Research Centre for Phenomenology and the Human Sciences

(Centre Director: Professor CHEUNG Chan-fai)

The Centre for Hong Kong Cultural Studies

(Centre Director: Professor WONG Wang-chi)

The R.I.H. is now performing important roles as research incubator, research facilitator and research coordinator for the Faculty of Arts in the field of humanities.