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)
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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 Brigette, 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

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**Hong Kong Cancer Institute**

CHAN Tak Cheung Anthony  
LIN Xiao Rong  
NGAN Fung Yee Nicole  
SUNG Lan Fion
<table>
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<tr>
<th>Edition</th>
<th>Title/Investigators</th>
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</table>
| 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

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.

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
Institute of Chinese Medicine

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 multdrug 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.

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)

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 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)

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

2000-01 Development and Clinical Trials of Compound Yun Zhi (Jiang Su) and Danshen (He Nan) Products (MD20043)

LEUNG Ping Chung • FUNG Kwok Pui (Biochemistry) • LAM Wai Kei Christopher (Dept of Chemical Pathology)

2001-02 Herbal Formula for Prevention and Treatment of Osteoporosis - A Rat Model (MD01097)

LEUNG Ping Chung • FU Sai Chuen Bruma (Lee Hysan Clinical Research Laboratories) • FUNG Kwok Pui (Biochemistry) • QIN Ling • SHI Yin Yu

2001-02 Chinese Medicine Research and Further Development (MD01714)

LEUNG Ping Chung • FUNG Kwok Pui (Biochemistry) • SUNG Joseph Jao Yiu (Dept of Medicine & Therapeutics) • HAINES Christopher John (Dept of Obstetrics & Gynaecology) • SUNG Yn Tz Rita (Dept of Paediatrics) • WOO Kam Sang (Dept of Medicine & Therapeutics) • CHE Chun Tao (School of Chinese Medicine) • CHAU F T* • TSIM Karl W K* • FONG W F*
Institute of Chinese Medicine

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)
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ZHANG Yuanting (Electronic Engineering)

Information Section

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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)
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Public & General Education Section

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LEE Kenneth K. C. (School of Pharmacy)
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YOU Joyce H. S. (School of Pharmacy)
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Standardization & Safety of Chinese Medicines Section

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CHAN Wood Yee (Anatomy)
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Natural Products Section

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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

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.

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

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

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着密切關係。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)

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)

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

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<thead>
<tr>
<th>Edition</th>
<th>Title/Investigators</th>
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<tbody>
<tr>
<td>2002-03</td>
<td>A Study of Slit Rings in East Asia Archaeology (CU02009)</td>
</tr>
</tbody>
</table>

‡ TANG Chung ● KOMISSAROV Sergei A* ● MOU Yongkang* ● NGUYEN Kim Dung* ● TSIEN Hsien Ho*
RESEARCH PROJECTS

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

Edition Title/Investigators


☞ JIN Guantao • LIU Qingfeng • XIONG Yuezhi*
**RESEARCH PROJECTS**

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

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<tbody>
<tr>
<td>2002-03</td>
<td>Chinese Translation History (AL02361)</td>
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<td>🇵🇭 HUNG Wai Yee Eva</td>
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</tbody>
</table>
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.

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CHAN Ho Fu Raymond (Mathematics)
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CHOU Kai Seng (Mathematics)
GU Ming Gao (Statistics)
HUI Pak Ming (Physics)
LAI Hon Ming (Physics)
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LEUNG Nai-chung, Conan (Mathematics)
LUI Chi Shing John (Computer Science & Engineering)
LUK Hing Sun (Mathematics)
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TAM Luen Fai (Mathematics)
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WONG Wing Shing (Information Engineering)
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HO Walter K K (Biochemistry)
LEUNG Kwan Chi (Biochemistry)
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WAN Chi Cheong David (Biochemistry)
WAYE Miu Yee Mary (Biochemistry)
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**Hong Kong Centre of Sports Medicine & Sports Science**

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CHENG Chun Yiu Jack (Orthopaedics & Traumatology)
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HENG Pheng Ann (Computer Science & Engineering)
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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)
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LI Duan (Systems Engineering & Engineering Management)
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WONG Tze Wai (Community & Family Medicine)
XU Yangsheng (Automation & Computer-Aided Engineering)
YANG Limin (Joint Laboratory for Geoinformation Science)
ZOU Jun (Mathematics)

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CHOW Hak Fun (Chemistry)
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HO Ho Pui Aaron (Electronic Engineering)
KUI Hin Wing (Physics)
LAM Yip Keung Peter (Institute of Chinese Studies – Art Museum)
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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.