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<th><strong>Title</strong></th>
<th>Moving from an IR to a CRIS, the why &amp; how</th>
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<td><strong>Author(s)</strong></td>
<td>Palmer, DT</td>
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<tr>
<td><strong>Citation</strong></td>
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Moving from an IR to a CRIS
-- the Why & How

David T Palmer
The University of Hong Kong (HKU)
CNI Membership Meeting, San Antonio, 4-5 Apr 2013
IR: What is it?

• “An institutional repository is an online locus for collecting, preserving, and disseminating - in digital form - the intellectual output of an institution, particularly a research institution” -- Wikipedia (November 2012)

• Academic Institution: journal articles, theses, learning objects
  – Publications

• Why?
  – Provide Open Access
  – Create global visibility
  – Collect content in a single location
  – Preservation
Current Research Information System (CRIS) a.k.a. Research Information Management System (RMIS)
CRIS: What is it?

“A Current Research Information System, commonly known as "CRIS", is any information tool dedicated to provide access to and disseminate research information, such as People, Projects, Organizations, Results (publications, patents and products), Facilities, and Equipment.” – “EuroCRIS”, Wikipedia (Nov 2012)

- for researchers: easy access to relevant information
- for research managers and administrators: easy measurement and analysis of research activity
- for research councils: optimisation of the funding process
- for entrepreneurs and technology transfer organizations: easy retrieval of novel ideas and technology in a knowledge-assisted environment and easy identification of competitors and previously done similar research
- for the media and public: easy access to information, software and computer power to allow easily-assimilated presentation of research results in appropriate contexts.
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CERIF 1.3 Entities (Types in Colors)
CRIS flavours

- Internal only?
  - Research & decision support

- Public also?
  - Knowledge Exchange, Knowledge Translation, Knowledge Transfer

- Built in one integrated whole?
- Distributed, with APIs calling on-the-fly, other databases
CRIS flavours

• Internal only?
  – Research & decision support

• Public also?
  – Knowledge Exchange, Knowledge Translation, Knowledge Transfer

• Built in one integrated whole?
• Distributed, with APIs calling on-the-fly, other databases
HKU’s IR → CRIS

Evolution
The HKU Scholars Hub

- 2005 begun,
  - Publications
  - Open Access
- Not compelling with faculty

- 2009 “Knowledge Exchange”
  - New funding, from HKU KEO
  - New interest, from faculty
- An exchange of research and skills between HKU and its community for mutual benefits
- A database or exchange hub to enable, facilitate and measure HKU’s KE
The HKU Scholars Hub

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The backend

• With our partners, CINECA of Italy

• Dspace: Postgres tables

• Relational tables
  – Publications
  – ResearcherPages (People)
  – Grants
  – Soon: depts/ctrs & other entities
The HKU Scholars Hub is the institutional repository of The University of Hong Kong. As a key vehicle of HKU’s Knowledge Exchange Initiative, the Hub strives to make HKU authors and their research very visible, with the goal of increasing all forms of collaboration.

QUICK SEARCH OF THE HUB

Search the author, title, abstract and series fields.

> search

FEATuRED SCHOLAR

Professor Chang, EC

- Dean (Faculty of Business and Economics)
- Quoin Professorship in Finance; and Professor; Chair of Finance

Research Interests:
- Derivative securities
- International Finance
- Capital asset pricing

HUB NEWS

Mar 2013: Membership in professional societies added to ResearcherPages.

Mar 2013: Affiliations for coauthors shown when known. An example

Feb 2013: Grant data added to publication records when known. An example

Jan 2013: Web service for extracting Hub data. Interested? Write!

RELEVANT LINKS

- HKU’s Top 1%
- HKU Authors: OA Publishing
- Usage Stats & Downloads
- HKU most cited articles in Scopus
- HKU research on Web of Science
- HKU Research & Scholarship
- HKU Libraries OA Policy
- HK Open Access Committee
- Open Access Tracking Project
Article: Understanding Australia's influenza pandemic policy on the strategic use of the antiviral drug stockpile

Title: Understanding Australia's influenza pandemic policy on the strategic use of the antiviral drug stockpile

Authors: McCaw, JM
Wood, JG
McBryde, ES
Nolan, TM
Wu, JT
Lipsitch, M
McVernon, J

Issue Date: 2009
Publisher: Australasian Medical Publishing Company Pty Ltd. The Journal's web site is http://www.mja.com.au

Abstract: Targeted post-exposure prophylaxis represents a more efficient use of antiviral treatment alone.

Citation: Medical Journal Of Australia, 2009, v. 191 n. 3, p. 136-137

ISSN: 0025-729X
2011 Impact Factor: 2.813
2011 SCImago Journal Rankings: 0.151

ISI Accession Number ID: WOS:000269171100005
PubMed Central ID: PMC3073016

Author Affiliations:
1. Harvard School of Public Health
2. The University of Hong Kong
3. Royal Melbourne Hospital
4. University of Melbourne
5. University of New South Wales
# Understanding Australia's influenza pandemic policy on the strategic antiviral drug stockpile

**Authors:**
- McCaw, JM
- Wood, JG
- McBryde, ES
- Nolan, TM
- Wu, JT
- Lipsitch, M
- McVernon, J

**Publication Details:**

**Abstract:**
Targeted post-exposure prophylaxis represents a more efficient use of antiviral treatment alone.

**Citation:**

**ISSN:** 0025-729X

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**SCImago Journal Rankings:** 0.151

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5. University of New South Wales
prevention and treatment of cerebrovascular disorders. However, the mechanism responsible for such protective effects remains largely unknown. It has been considered that cerebral endothelium apoptosis caused by reactive oxygen species including hydrogen peroxide (H2O2) is implicated in the pathogenesis of cerebrovascular disorders. Methodology and Principal Findings. By examining the effect of Sal B on H2O2-induced apoptosis in rat cerebral microvascular endothelial cells (rCMCECs), we found that Sal B pretreatment significantly attenuated H2O2-induced apoptosis in rCMCECs. We next examined the signaling cascade(s) involved in Sal B-mediated anti-apoptotic effects. We showed that H2O2 induces rCMCECs apoptosis mainly through the PI3K/ERK pathway, since a PI3K inhibitor (LY294002) blocked ERK activation caused by H2O2 and a specific inhibitor of MEK (U0126) protected cells from apoptosis. On the other hand, blockade of the PI3K/Akt pathway abrogated the protective effect conferred by Sal B and potentiated H2O2-induced apoptosis, suggesting that Sal B prevents H2O2-induced apoptosis predominantly through the PI3K/Akt (upstream of ERK) pathway. Significance. Our findings provide the first evidence that H2 O2 induces rCMCECs apoptosis via the PI3K/MEK/ERK pathway and that Sal B protects CMCECs against H2O2-induced apoptosis through the PI3K/Akt/Raf/MEK/ERK pathway. 2007 Liu et al.

Funding Information:
This work was supported by a grant (HKU 7636/05M) from the Research Grant Council of Hong Kong awarded to Dr. J.D. Huang, and was also supported by grants (FRG/06-07/I-07 and FRG/06-07/I-43) from Hong Kong Baptist University awarded to Dr. M. Li. The funders had no roles in the design and conduct of the study, in the collection, analysis, and interpretation of the data, and in the preparation, review, or approval of the manuscript.

Funding Agency
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PubMed Central ID PCR2117346

References

Grants
- Role of kinesin-mediated intracellular transportation in Alzheimer's Disease
- Role of kinesin-mediated intracellular transportation in Alzheimer's Disease
Browse

Jump to: 0-9 A B C D E F G H I J K L M N O P Q R S T

or enter initial letters to jump into index at that point:

Showing results 71470 to 71500

- Tam, Paul KH
- Tam, Paul KH
- Tam, Paul Kwong Hang
- Tam, Paul
- Tam, PCF
- Tam, PC
- Tam, Peter TS
- Tam, PHK
- Tam, PHT
- Tam, PH
- Tam, Ping-leung, Patrick
- Tam, Pit-shing
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HKU Researcher Page: Bacon-Shone, JH

Profile

Contact Information

Networks of Collaboration

Visualized
Tabulated

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Supervision of Research Postgraduate
Students (11)
HKU Committee Appointments (37)

Grants

Principal Investigator (6)
Co-Investigator (16)

Contact Information

Tel: 3917 1600
Office: CJT 815
Dept: Social Sciences Research Ctr
Faculty: Faculty of Social Sciences

Curriculum Vitae

Research Interests: (click to check for cognate researchers)

- Professor
- Associate Dean of Social Science
- Director, Social Sciences Research Centre
- Associate Director, Knowledge Exchange Office

My URLs:

- Biography
- Google Scholar Citations

Also Cited As:

Bacon-shone, John
Bacon-shone, J
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HKU Researcher Page: Tsui, ABM

Profile
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Visualized
Tabulated

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Supervision of Research Postgraduate Students (15)
HKU Committee Appointments (50)

Grants
Principal Investigator (11)
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Supervision of Research Postgraduate Students

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<td>2005</td>
<td>Classroom Interaction, Small Class Teaching</td>
<td>How class size mediates student learning: case studies of Hong Kong secondary schools</td>
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Professor Chow, Billy Kwok Chong

- Professor
- Dept: School of Biological Sciences
- Faculty: Faculty of Science

External Metrics

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BiomedExperts

| PersonDetailpage: | 239266 |
| Co-authors:       | 103    |
| Publications:     | 95     |

Google Scholar Citations

| Author Profile:  | kfd3oAAAAA |
| Citations:       | 2485      |
| i10-index:       | 28        |

Web of Science: 83 are found in WoS, with 1668 citations
PubMed: 103 are found in PubMed, with 209 citations
CiteULike: 20 are found in CiteULike.
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RESEARCHERPAGE VIEW COUNT (FROM DEC 2010)
Quantifying the urban heat island (UHI) intensity in Hong Kong

Authors: Siu, Leong-wai

Issue Date: 2011

Publisher: University of Hong Kong (Pokfulam Road, Hong Kong)

Abstract: The definition and quantification of urban heat island (UHI), the air temperature differences between urban and rural areas, remains problematic. This is due, in large part, to the difficulty of operationalizing the terms "urban" and "rural", especially with regard to classifying the weather stations that provide data. This thesis studies the urban heat island (UHI) intensity in Hong Kong and there are three foci in the research. The first focus of this study is the determination of the urban and rural weather stations in Hong Kong. The Local Climate Zones (LCZ) system has been employed to classify 17 weather stations and field observation was the main technique to collect the necessary metadata. Six field trips were arranged in the summer of 2009 and 2010. Hong Kong Observatory Headquarters (HKO) is considered as the only representative urban station, whilst Tsak Yue Wu station (TYW) is deemed as the representative rural station because of its Forest Zone (NCZ1) classification. Ta Kwu Ling station (TKL) is another reference rural site. The second focus is the quantification of the UHI intensities at six pairs of stations in Hong Kong and their diurnal and seasonal variations. The 19-year annual UHI intensities in Hong Kong suggest that the representative rural sites (TYW and TKL) also record representative UHI intensities for the region. The differences of the cooling rate at urban and rural stations drive the diurnal cycle of urban heat island. The seasonal variations of UHI intensities are also driven by the cooling rate differences of urban and rural stations in different seasons. Since the mean maximum urban cooling rate does not vary considerably throughout the seasons (0.4 - 0.5 °C/hr), it is the alteration of the rural cooling rate (1.0 - 1.6 °C/hr at TYW; 0.9 - 1.2 °C/hr at TKL) which determines the seasonal variations of UHI intensities. The mean daily maximum UHI intensities in Hong Kong are greatest in winter. The final focus is the meteorological impacts on the UHI intensity in Hong Kong. Five meteorological elements, including air temperature, wind speed, vapour pressure, cloud cover, and cooling rate, have been separately investigated to establish their impacts on the UHI intensity. Under fine weather conditions, the first four elements are negatively related to the UHI intensity. Sixteen regression models were built after the use of stepwise procedures which optimize the combination of independent variables. Rural air temperature is considered the most important meteorological factor on the UHI intensity. The models also suggest that there are other factors affecting the UHI intensities in spring and summer.

Advisors: Peart, MR; Hart, MA

Degree: Master of Philosophy

Subject: Urban heat island - China - Hong Kong.
Urban temperature - China - Hong Kong.

Department: Geography

DOI: http://dx.doi.org/10.5353/th_b4569256

HKU Library Item ID: b4569256
Grant: Reinforced concrete coupling beams with embedded steel plate

General Research Fund (GRF)

Application
Eligibility
Types of Research

Academic Research
i. Basic research - research for the sake of advancing the frontiers of knowledge regardless of whether it would provide immediate benefit to mankind;
ii. Applied research - efforts directed at meeting certain functional requirements which involve the application of theories to specific areas or for specific purpose, and/or enhance man's existence in the short to medium term.

Contact Research
Efforts which would lead to the delivery of a product or process and could involve both basic and applied research, though the latter is much more prevalent. Contract research is client-specific and is generally sponsored and financed by the client who can be either a private company or a public body or the Government.

Criteria for Consideration of Competitive Bids

Project Title
Reinforced concrete coupling beams with embedded steel plate

Principal Investigator
Su, Kai Leung

Co-Investigator(s)
Pam, Hoat Joen

Funding Year
2003/2004

Amount
25000

Start Date
01-10-2003

Expected Completion
30-09-2005

Status
On-going

Sponsor
RGC Projects (Block Grant)

Grant Type/Funding Scheme
Merit Award for RGC GRF Funded Projects

Duration
24

Objectives
N/A

Publication
Effects of shear connectors on plate-reinforced composite coupling beams of short and medium-length spans

Publication
A survey on axial load ratios of structural walls in medium-rise residential buildings in Hong Kong

Publication
Seismic behaviour of slender reinforced concrete shear walls under high axial load ratio

Publication
Experimental study on embedded steel plate composite coupling beams

Publication
A brief summary of parametric study of plate-reinforced composite coupling beams

Publication
Strengthening of reinforced concrete coupling beams by bolted steel plates

Publication
The effects of shear connectors on plate-reinforced composite coupling beams
Patents!
### Patent Sources

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## Granted Patent: Luminescent Gold (iii) Compounds, Their Preparation, And Light-emitting Devices Containing Same

### Patent History

| Application | US 10/977,200 2004-10-29 |
| Publication | US 20060091378 2006-05-04 |
| Granted    | US 7572912 2009-08-11 |

### Patent Family

- WO 2006045235 2006-05-04
- CN 10109098946 2008-01-02
- US 20090278453 2009-11-12

### Supplementary

- Item Statistics (The Hub)
- Appears in Collections:
  - Patents
  - Chemistry: Patents

### Basic View

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| Inventors      | Yam, Vivian Wing Wah  
                 Wong, Keith Man Chung  
                 Kwok, Hoi-sing  
                 Zhu, Xiuling  |

### Abstract

A class of luminescent gold(III) compounds with a tridentate ligand and at least one strong σ-donating group having the chemical structure represented by the general formula (I): **STR0001##** wherein R.sub.1-R.sub.4 each independently represent the group containing hydrogen, halogen, alkyny, substituted alkyny, alkyl, substituted alkyl, aryl, substituted aryl, heteroaryl, substituted heteroaryl, alkoxyl, substituted alkoxyl, aminyl, substituted amino, cyano, nitro, alkylcarbonyl, alkoxycarbonyl, aryloxycarbonyl, aryloxyacyrcarbonyl, mono- or dialkylaminocarbonyl, alkylaminocarbonyl, aryloxycarbonyl, and the like; X, Y and Z each independently represent a heteroatom or a carbon; **STR0002##** represents an aromatic or heterocyclic 5- or 6-membered ring, α and β each independently represent a bridge for an aromatic or heterocyclic 5- or 6-membered ring or represent a break for non-aromatic moiety, C−X, C−Y and C−Z each independently represent a single bond or double bond; n represents a zero or an integer; p, q and r represent positive integers.

### Persistent Identifier

http://hdl.handle.net/10722/142108

Cites US 20030040627
**Published Patent:** Methods using *Lycium barbarum* extracts as neuroprotective agents for retinal ganglion cells degeneration

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| **Inventors** | So, KF  
Yuen, WH  
Chang, RCC  
Zee, SY | |
| **Citation** | US Published patent application US 20050196478. Washington, DC: US Patent and Trademark Office (USPTO), 2005 [How to Cite?] | |
| **Abstract** | An *Lycium barbarum* extract demonstrates a neuroprotective effect on damaged retinal ganglion cells, preventing and preserving retinal ganglion cells from degeneration in the treated subjects after chronic and traumatic neuronal injury or glaucoma. Compositions include an effective amount of an agent and a pharmaceutically acceptable vehicle. | |
| **Persistent Identifier** | http://hdl.handle.net/10722/45673 | |
| **Publication** | Neuroprotective effects of anti-aging oriental medicine *Lycium barbarum* against β-amyloid peptide neurotoxicity | |
Visualizations!
### Networks: Bacon-Shone, JH

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• Other CRIS functions:
  – Monthly stat reports to each scholar
    • Citation totals, and % of monthly increase
    • Alt metrics: number of views and downloads
  – Web service to extract any Hub data and re-use
  – Supply departmental citation increases to HKU Sr Management Team
  – Supply citation counts for HK University Grants Committee (UGC) RAE
CRIS; included & overlapping concepts

- Reputation Management System
  - Proactive & reactive measures to enhance & protect reputation
- Impact Management System
  - Research outputs
  - Impact metrics
  - Professional Activities
  - Measures of Esteem
  - Community, Industry & Policy impact, etc
- Research Networking System
  - to discovery & use scholarly information
  - to facilitate the development of new collaborations & team science
  - have analytical capabilities that enable evaluation of scholarly activity over time
  - makes data available for broad repurposing
- Research Profiling System
- Expert Finder
- IR
• Funded by HKU KEO
• All new Hub features ➔ Dspace community
  – Rel. 3.0 and future releases
• Looking for interested collaborators & testers
• Publications are central
• Not just bibliographic metadata
  – People
  – Projects / grants
  – Awards
  – Patents
  – Results / impact
• In the meantime,
  – Decline of print cataloguing
  – Re-purposing, re-training
  – All Hub metadata curated by the Cataloguing Dept.
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• Template & design, www.showeet.com