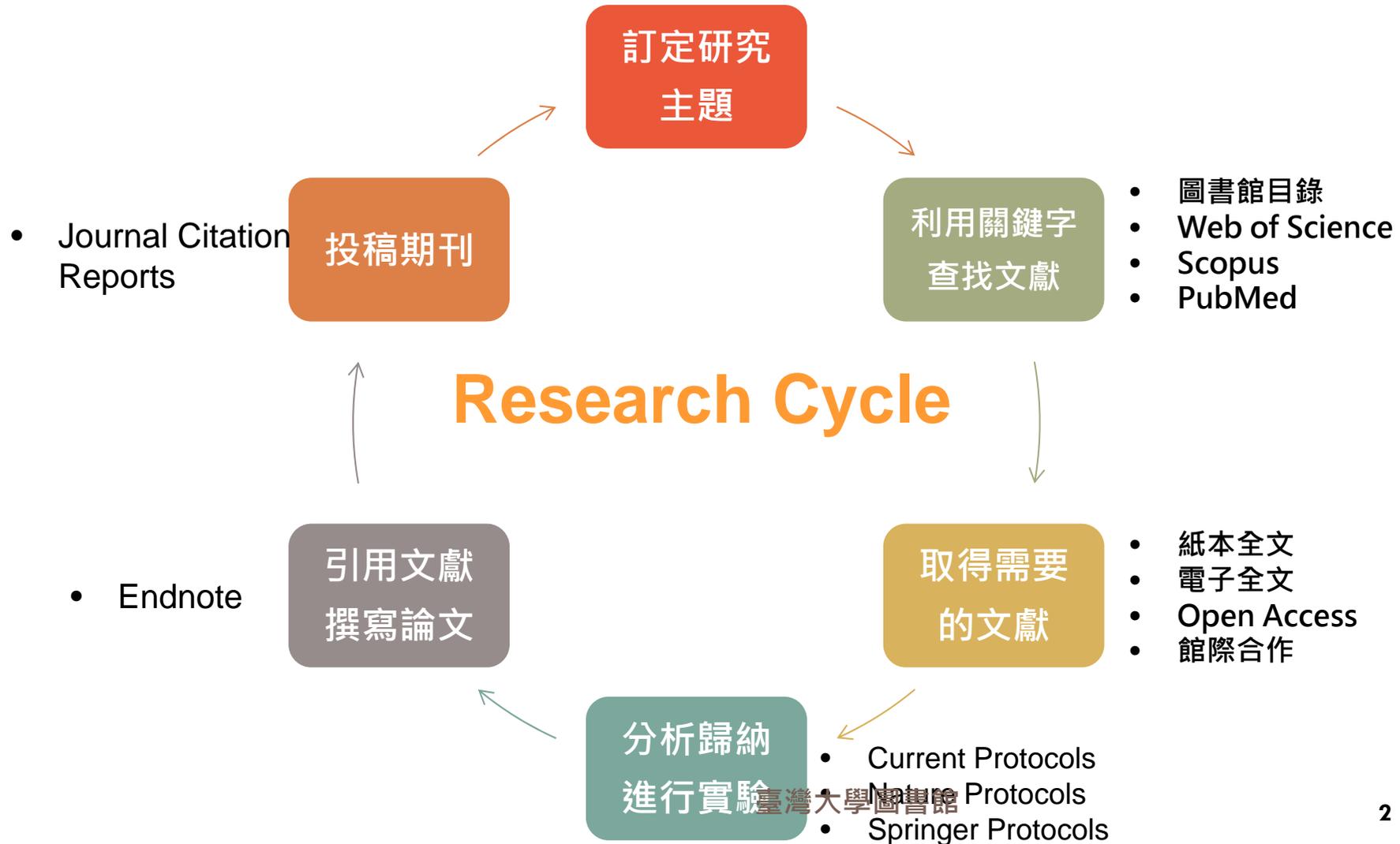




# 生命科學領域資源介紹

學科服務組 陳巧倫

# 學術研究與發表



# 資訊素養

## 4.了解資訊倫理、利用資訊

- 撰寫報告，正確引用參考文獻
- 合理使用資訊、合法傳播資訊
- 重視資訊倫理、法律問題

## 1.確認資訊需求

- 確立資訊需求的屬性與範圍
- 建立知識背景

## 5.資訊素養是一種終身學習的概念

- 運用多元的方法與新技術，持續關注學科領域的最新發展。

## 3.評估資訊

- 從獲得的資訊摘要、萃取所需的資訊
- 綜合既有資訊建構新觀念
- 與專家學者共同討論驗證
- 評估資訊檢索的過程

## 2.獲取資訊

- 建立檢索詞彙
- 發展檢索策略
- 選擇適當的檢索工具
- 適時進行修正

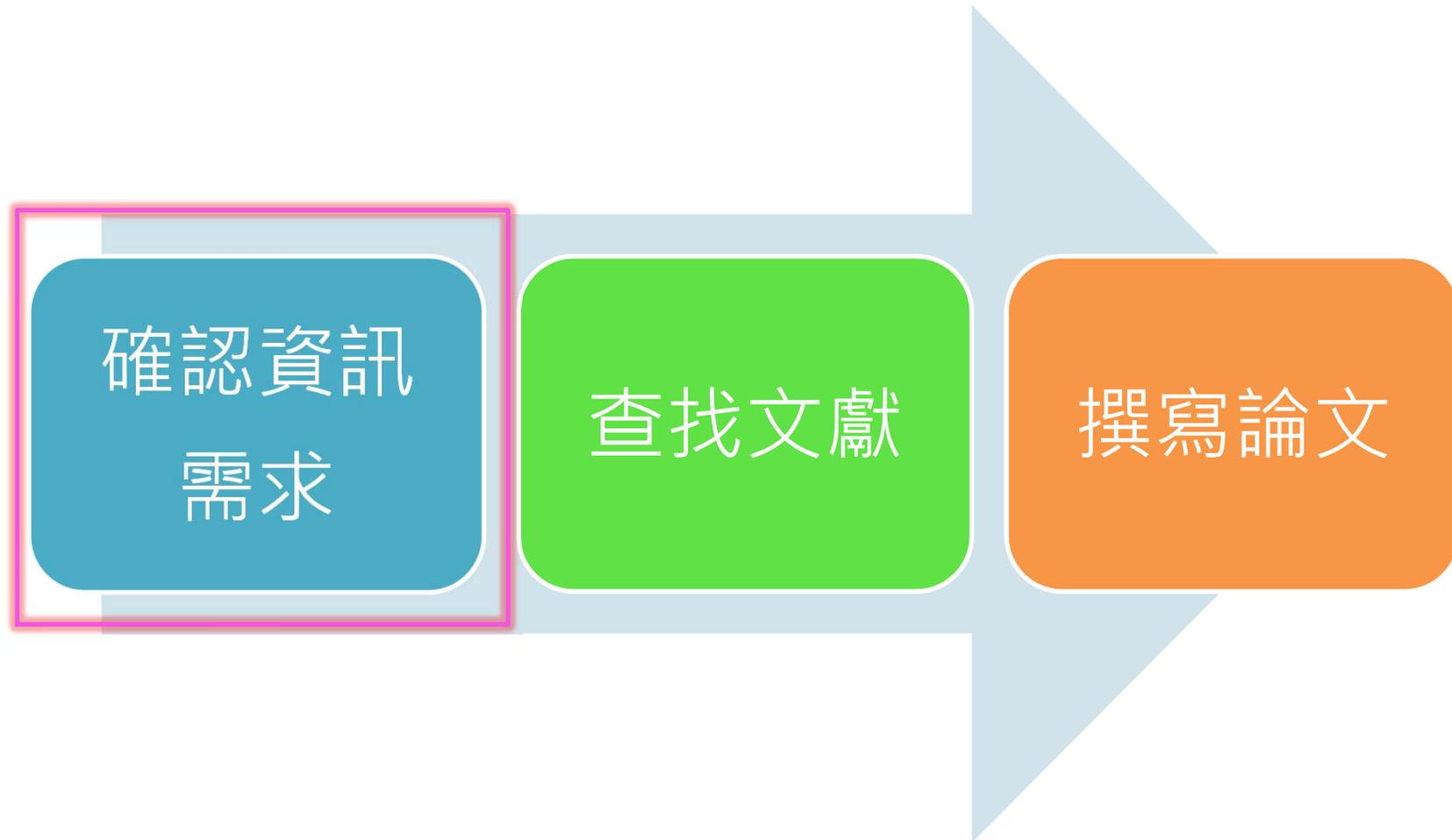
# 大綱

確認資訊  
需求

查找文獻

撰寫論文

# 大綱



# 確認資訊需求 — 如何選擇研究主題?

- 要寫的報告類型? 平時作業? 期末報告? 專題研究? 碩士論文?
- 需要多少資訊量?
- 需要新穎性資料，還是完整性資料?



# 建立背景知識

- 報紙新聞雜誌→時事趨勢
- 百科全書→概念與主題建立
- 教科書、專書→基本概念、理論架構
- 期刊文獻、評論性資料→問題發掘、研究趨勢
- 其他大量的閱讀資料



# 資訊生命週期

## Information Cycle Timeline



# What Happens in an Internet Minute?



## And Future Growth is Staggering



# 生命科學領域論文題目發想

- 實驗室研究主題
- 同儕學位論文
- 綜述文獻 (review article)
- 研究論文 (research article)
- Seminar 書報討論
  - 經由教授引領與討論，從他人論文中選擇具參考性的研究方法與成果



# 生命科學領域論文題目發想

## -- 瀏覽電子期刊

The screenshot shows the National Taiwan University Library website. The top navigation bar includes '館藏資源', '特色館藏', '電子資源', '服務項目', '推廣活動', '關於本館', and '捐贈活動'. The '電子資源' menu is open, listing various services such as '校外連線說明', '書目管理軟體EndNote', '資料庫', '電子期刊', '電子書', '電子資源整合查詢系統 MUSE', '學術資源整合查詢 REAL', '臺大博碩士論文', '臺灣大學機構典藏 NTUR', '臺灣網站典藏庫 NTUWAS', '學術資源網', '科技部人文司日語研究計畫', and '考古題'. The '電子期刊' option is highlighted with a red box. The main content area features a search bar, a '常用服務' section with a list of services, and a '最新消息' section with recent announcements. The footer includes '臺灣大學圖書館' and the date '9/3'.



資料庫(Databases)

電子期刊(Ejournal)

電子書(Ebooks) | 資源探索(DISC)

- 最新消息
- 期刊查詢
- 依刊名瀏覽
- **依訂購學院別瀏覽**
- 依所屬資料庫/出版社  
瀏覽
- 試用電子期刊
- 使用須知

第1頁/共1頁

訂購學院別	筆數
A 文學院	961
B 管理學院	5871
C 圖書館	38938
E 工學院	511
F 電機資訊學院	286
G 生物資源暨農學院	2292
<b>H 生命科學院</b>	171
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H 生命科學院	<b>[全部]</b>	171
	H 生命科學院	58
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	HH 生化科學所	10
	HL 生命科學系	91
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2	<a href="#">Acta Theriologica</a>	Springer Science and Business Media BV(Springer)	2001-2013	<a href="#">Webpac</a>	Ⓡ
3	<a href="#">Advances in Ecological Research</a>	Elsevier Science(Elsevier)/SDOL	1962-2000,2008-2014	<a href="#">Webpac</a>	Ⓡ
4	<a href="#">Advances in Nutrition</a>	American Society for Nutrition	2010-	<a href="#">Webpac</a>	Ⓡ Ejournal access provider: HighWire
5	<a href="#">American Journal of Botany</a>	Botanical Society of America, Inc.	1997-	<a href="#">Webpac</a>	Ⓡ Ejournal access provider: HighWire
6	<a href="#">American Journal of Botany</a>	JSTOR	1914-2006	<a href="#">Webpac</a>	Ⓡ
7	<a href="#">American Midland Naturalist</a>	JSTOR	1909-2008	<a href="#">Webpac</a>	Ⓡ
8	<a href="#">The American naturalist</a>	University of Chicago Press (UCP)	1997-	<a href="#">Webpac</a>	Ⓡ Ejournal access provider: JSTOR
9	<a href="#">American Naturalist</a>	JSTOR	1867-2012	<a href="#">Webpac</a>	Ⓡ
10	<a href="#">American Zoologist</a>	Oxford University Press (OUP)	1996-2001	<a href="#">Webpac</a>	Ⓡ 新刊名: Integrative and Comparative Biology Ejournal access provider: HighWire



THIS WEEK

- Editorial
- World View
- Research Highlights
- Seven Days

COMMENT

- Comment
- Books and Arts
- Correspondence



RESEARCH

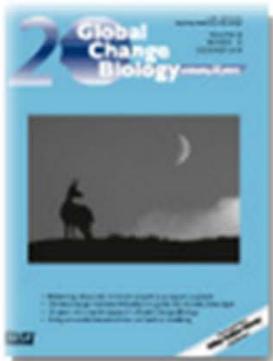
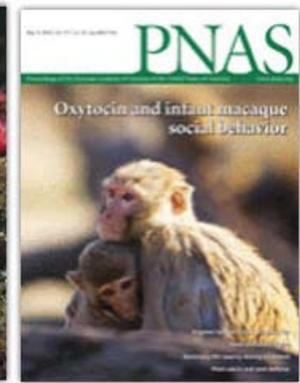
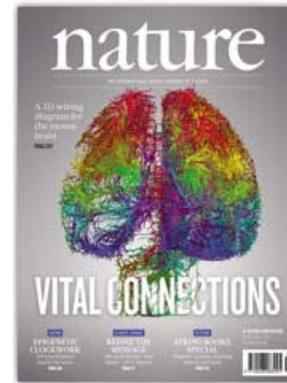
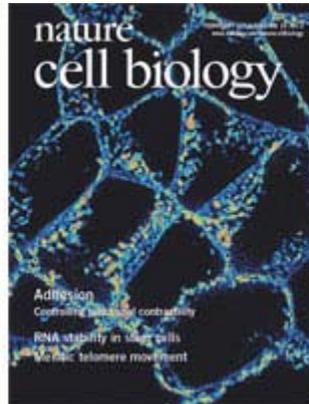
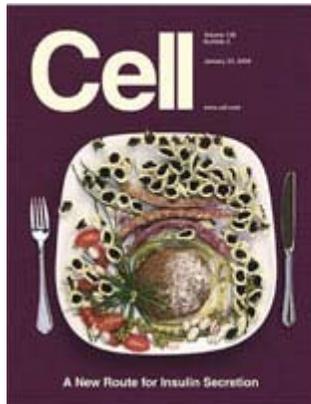
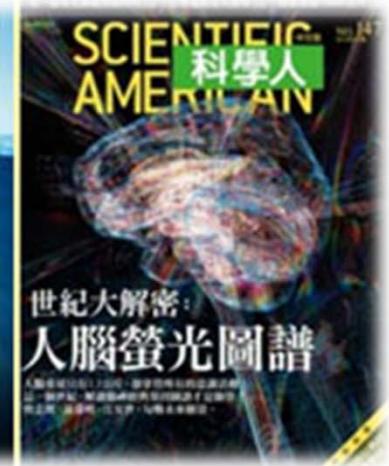
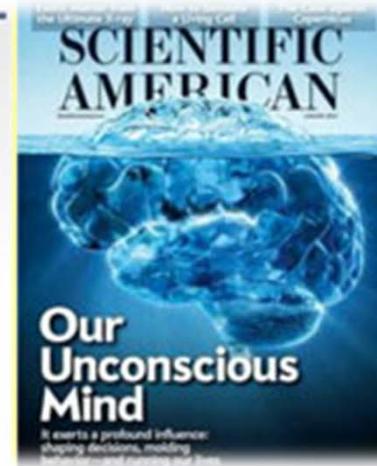
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- Articles
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- Corrigendum
- Retraction

CAREERS

- Feature
- Futures

NEWS IN FOCUS

- News
- Feature



# 生科領域老師專訪

訪談老師	刊登館訊
生命科學系潘建源老師	<a href="#"><u>168期 (4月)</u></a>
分子與細胞生物學研究所溫進德老師	<a href="#"><u>170期 (6月)</u></a>
生化科技系陳彥榮老師	<a href="#"><u>174期 (10月)</u></a>
生態學與演化生物學研究所何傳愷老師	<a href="#"><u>176期 (12月)</u></a>

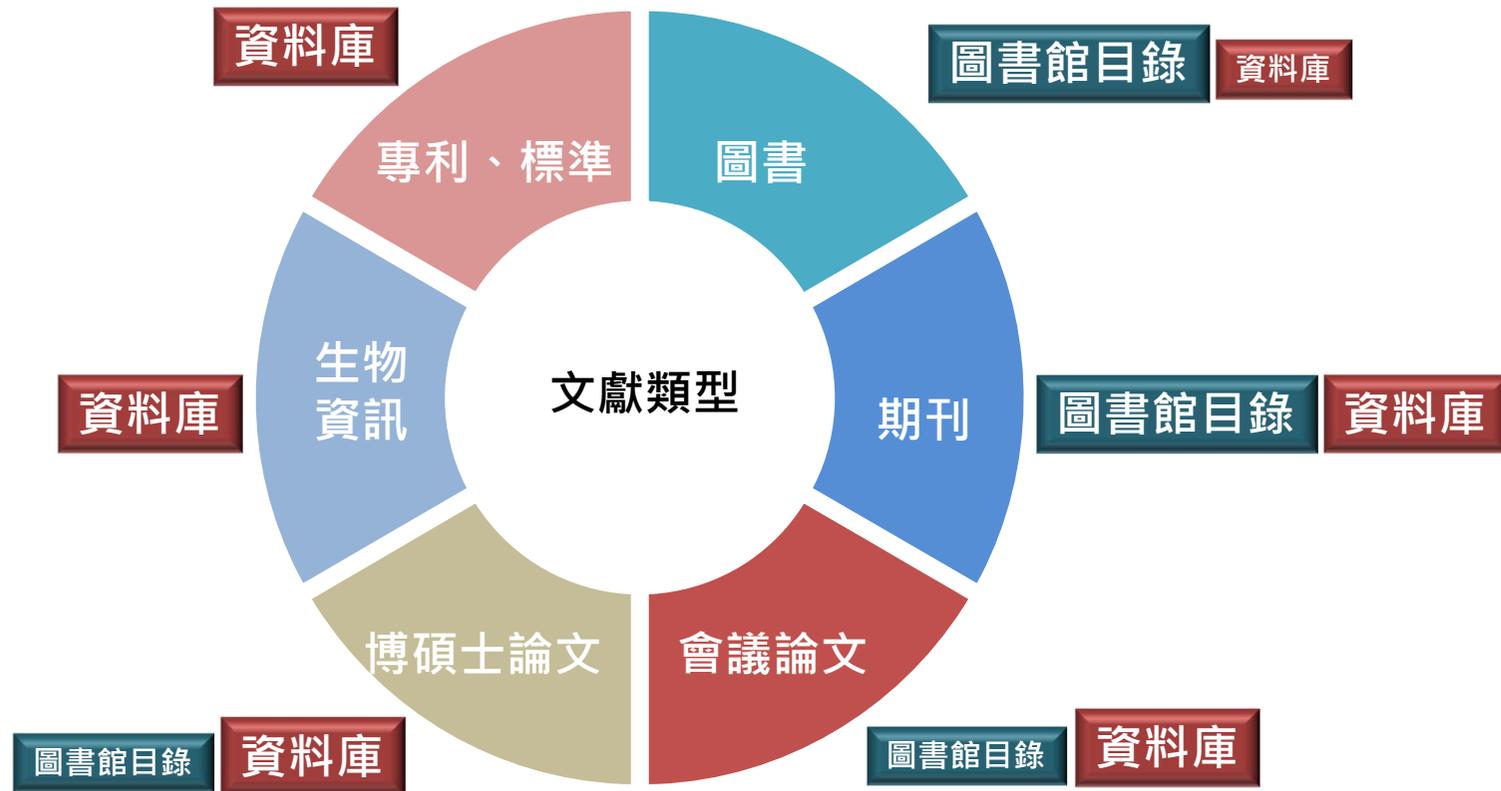
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確認資訊  
需求

查找文獻

撰寫論文

# 文獻種類與查詢途徑



# 找尋文獻

- 已知某特定文獻
- 找尋主題相關文獻



# 已知某特定文獻





# Stress resistance in two colonial ascidians from the Irish Sea: The recent invader *Didemnum vexillum* is more tolerant to low salinity than the cosmopolitan *Diplosoma listerianum*

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<sup>b</sup> Marine Ecology Department, Leibniz Institute of Marine Sciences at the University of Kiel (IFM-GEOMAR), Düsternbrooker Weg 20, D-24105 Kiel, Germany  
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*Diplosoma listerianum*  
Growth  
Low salinity  
Stress tolerance  
Survival

### ABSTRACT

It is widely believed that non-native species possess a high tolerance toward abiotic stressors to survive transport and to colonize new habitats. However, to date empirical support for this hypothesis is limited. We therefore tested whether *Didemnum vexillum*, which recently invaded the Irish Sea, is more tolerant to fluctuations in salinity than the closely related *Diplosoma listerianum*, a cosmopolitan species. The two fouling organisms exhibit similar habitat requirements at bottom sites along the coasts of Ireland and Wales. We collected adult specimens from two marinas, Marina, Wales, UK, and exposed them to different levels of reduced salinity ranging from 10 to 20‰ in term laboratory experiments. In separate trials, we mimicked chronic (2 weeks) salinity stress to account for the natural temporal variability in osmotic fluctuations experienced by these species. *Didemnum vexillum* performed better in adapting to fluctuating salinities than *D. listerianum* and showed better establishment and spread of *D. vexillum* in coastal areas, which may be due to its better survival under low salinities than the cosmopolitan *D. listerianum*. This indicates that *D. vexillum* is better in adapting to fluctuating salinities than *D. listerianum* and may be better established and spread of *D. vexillum* in coastal areas by future climate-change induced shifts in salinity.

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references

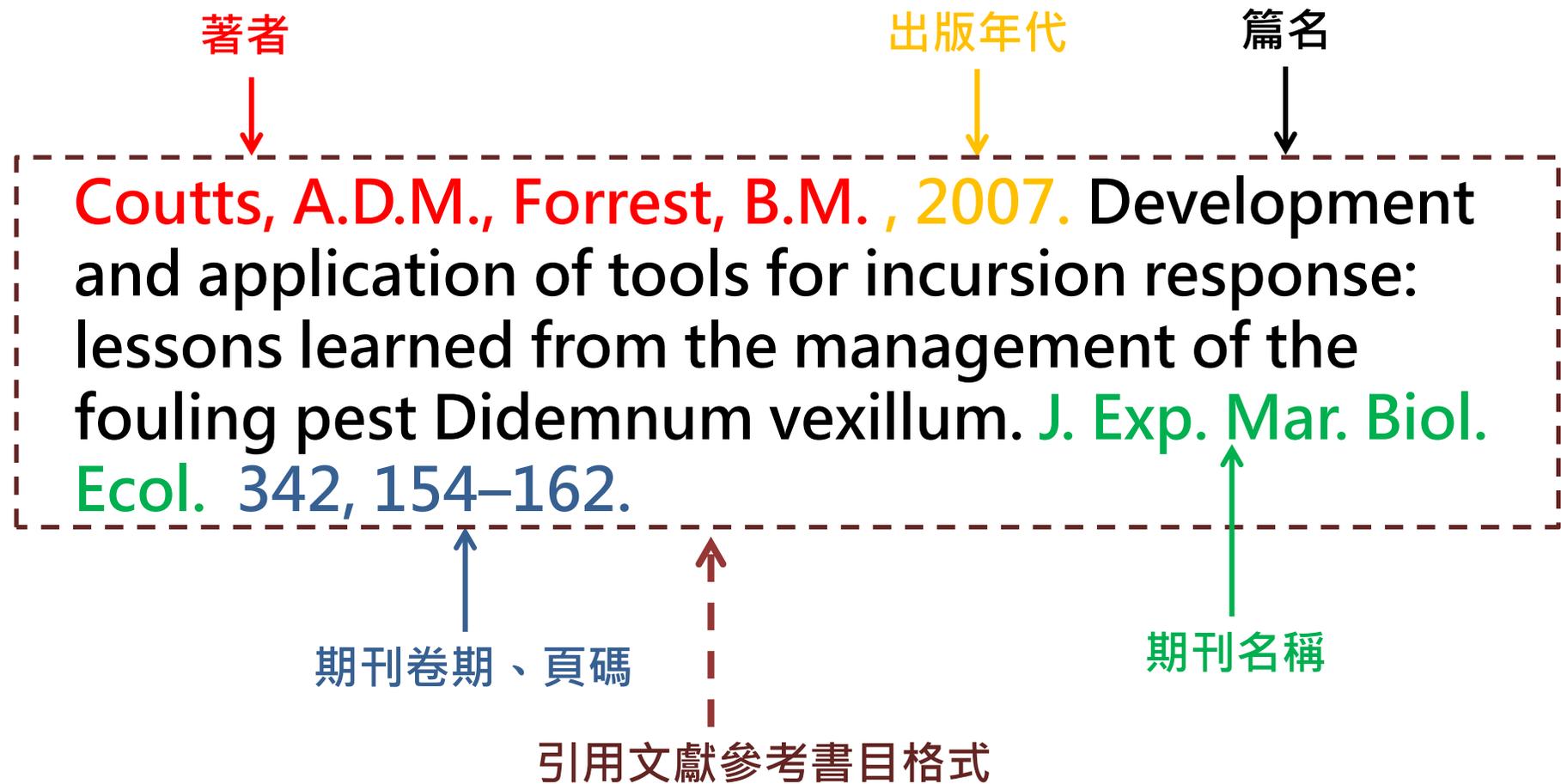
引用文獻  
citation

### 1. Introduction

The colonial ascidian *Didemnum vexillum* (Kott, 2002) is a rapid invader of inshore and offshore marine hard-bottom habitats (Bullard et al., 2007a; Coutts and Forrest, 2007; Gittenberger, 2007; Griffith et al., 2009; Minchin, 2007; Minchin and Sides, 2006). Its origin has not unequivocally been identified, but it presumably stems from Japanese waters (Lambert, 2009; Stefaniak et al., 2009). From there it dispersed as epifaunal growth on cultured Pacific oysters, *Crassostrea gigas*, which were shipped to many sites worldwide to replenish local oyster stocks. This notion is supported by the fact that numerous countries with past *C. gigas* imports now report widespread occurrence of *D. vexillum* (e.g. France, USA and Canada, New Zealand) (Lambert, 2009).

colonies on oysters, shipping traffic is likely to have facilitated its spread. According to Coutts and Forrest (2007) the survival of didemnids as fouling organisms on slow moving barges or pleasure boats is high. In concordance with this, Herborg et al. (2009) identified hull fouling on slow moving vessels and aquaculture as the most important transport vectors of *D. vexillum* along the west coast of North America. In the British Isles, *D. vexillum* was first found in two marinas on the east coast of Ireland in 2005 (Minchin and Sides, 2006) and, three years later, in Holyhead Marina in North Wales (UK) (Griffith et al., 2009). Intense traffic between North Wales and Ireland makes it likely that *D. vexillum* reached Holyhead Marina via fouled recreational vessels from infected areas. *D. vexillum* may cause ecological and economic harm by altering

# 文章引用文獻—期刊文章





館藏資源 ▾

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J. Exp. Mar. Biol. Ecol

期刊 ▾

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- 校外連線說明
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- 考古題
- 圖書館利用講習
- 圖書館導覽服務
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- 資料庫索引
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只顯示可流通資料

(查詢歷史) ▾

查詢結果： 前一

書名 Journal of experimental marine biology and ecology  
出版項 Amsterdam : North-Holland Pub. Co

☆☆☆☆☆ ⓘ

電子資源 (Electronic Resources)

刊名(Title)	所屬資料庫/出版社(Service Provider)	全文年代(Dates of Coverage)	其他資訊(Other Information)
Journal of Experimental Marine Biology and Ecology	Elsevier Science(Elsevier)/SDOL	1967-	Ⓡ

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總圖

陳列處

3F科技期刊145排

館藏

6(1971)-16:2(1974),17(1975)-18:1,3(1975),19:3(1975)-57:1(1982)

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1(1967)-7(1971),10(1972)-35:2(2007)

館藏地

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## Urban canyon effect: storm drains enhance call characteristics of the Mientien tree frog

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<sup>1</sup> Department of Life Sciences, National Taiwan University, Taipei, Taiwan

<sup>2</sup> Graduate Institute of Musicology, National Taiwan University, Taipei, Taiwan

<sup>3</sup> Institute of Ecology and Evolutionary Biology, National Taiwan University, Taipei, Taiwan

### Keywords

amphibian; bioacoustics; sound property; perch selection; Taiwan.

### Abstract

Anthropogenic structures, such as wall surfaces, may change the acoustic environment for signals transmitted by animals, creating novel environments that

Storm drains enhance calls of a tree frog

W.-H. Tan *et al*

language of the paper. We thank the three anonymous reviewers for their constructive comments on earlier versions of the paper. We thank National Science Council for the College Student Research Scholarship (NSC 101-2815-C-002-161-B) to Wen-Hao Tan and a research grant (NSC 98-2621-B-002-005-MY3) to Y. Kirk Lin.

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Storm drains enhance calls of a tree frog

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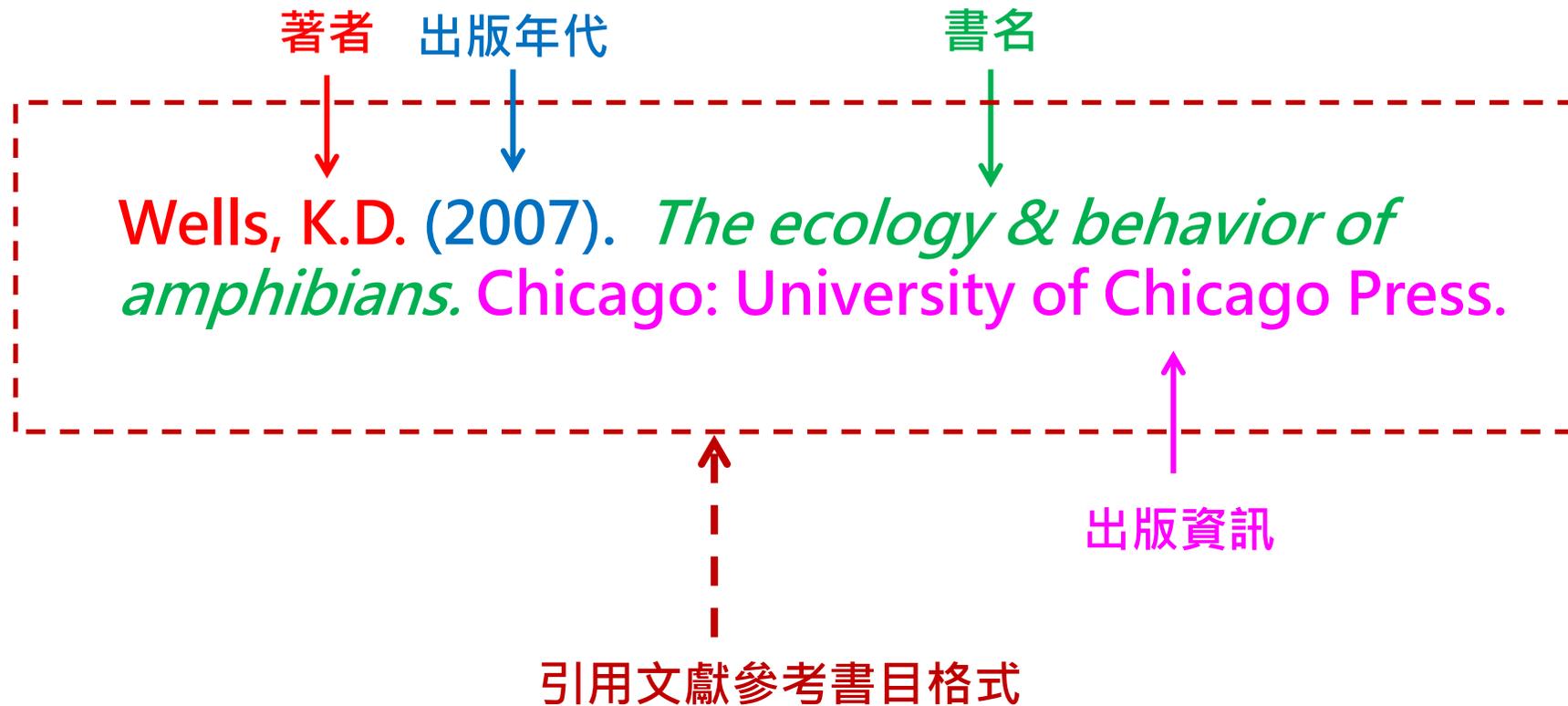
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引用圖書內文

reproduction depends on the long-range propagation and perception of advertisement calls (Kuczynski *et al.*, 2010). Auditory signals, however, may not be able to travel over long distances because intensity may attenuate and structure may degrade (Naguib & Wiley, 2001; Wells, 2007). Many animals

(Warren *et al.*, 2006). Animals can potentially use those structures to manipulate sound characteristics, but no relevant empirical study has yet emerged. In Taiwan, open concrete drainages are a common feature in suburban and rural areas. These drains – miniature urban canyons – are usually built

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- 校內圖書代借服務
- 館際合作服務
- 筆記型電腦使用及上網
- 連絡學科館員

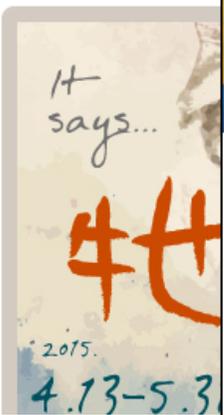
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- 社會科學/教育/法律/經濟

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- 番分館
- 辜振甫先生紀念圖書館
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國立臺灣大學圖書館 館藏目錄 · TULIPS  
Taiwan University Library Information Processing Systems

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[重新查詢](#) | [儲存至個人書單](#) | [儲存/轉出](#) | [檢視機讀格式](#) | [其他查詢](#)

書名 ▾ The ecology & behavior of amphibiar 全部館藏 ▾ 系統已排序 ▾

只顯示可流通資料

(查詢歷史) ▾ 查詢結果：前一筆記錄

**書名** The ecology & behavior of amphibians / Kentwood D. Wells.  
**主要作者** Wells, Kentwood David, 1948-  
[顯示相似館藏](#)  
**出版項** Chicago : The University of Chicago Press, 2007.  
 ☆☆☆☆☆ ⓘ

相關連結

- Table of contents only
- Contributor biographical information
- Publisher description

館藏地	索書號	條碼	狀態 說明
總圖4E科林特資料室	QL641.W25 2007	9599407	可流通

# Primo (資源探索服務系統)

國立臺灣大學圖書館  
NATIONAL TAIWAN UNIVERSITY LIBRARY

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繁體中文 | English | 教師 | 學生 | 校友 | 訪客 | 職員 | 回首頁 | 臺灣大學 | 網站地圖 | 站內搜尋 | 常見問題 | 行動版

館藏資源 ▾ 特色館藏 電子資源 ▾ 服務項目 ▾ 推廣活動 ▾ 關於本館 ▾ 捐贈活動 ▾

查詢檢索

館藏查詢 資源探索 查資料庫 站內搜尋

查詢

NEW! 資源探索服務(Discovery & Delivery Service)系統可查詢本館館藏、機構典藏、數位典藏及期刊文章、會議論文等各類資料。

常用服務

詳細開放時間 學期中(103.9.15~104.1.18) 圖書館行事曆

- 校外連線說明
- 借閱規則
- 考古題
- 圖書館利用講習
- 圖書館導覽服務
- 數位學習網
- 資料庫指引
- 論文繳交及離校手續
- 校內圖書代借服務
- 館際合作服務
- 筆記型電腦使用及上網
- 連絡學科館員
- 查詢個人借閱紀錄
- 失物招領查詢

1. 文獻集中索引  
學術文獻/會議記錄/新聞/評論...
2. 館藏目錄  
圖書/期刊/論文/視聽資料...
3. 自建數位典藏  
臺灣大學圖書館
4. 校內機構典藏
5. 主題資料庫

26

# Primo (資源探索服務系統)

使用“資源探索”整合查詢  
圖書 The ecology & behavior  
of amphibians

國立臺灣大學圖書館  
NATIONAL TAIWAN UNIVERSITY  
LIBRARY

目前總圖在館人數：53

館藏資源 ▾ 特色館藏 電子資源 ▾ 服務項目 ▾ 推薦

查詢檢索

館藏查詢 資源探索 查資料庫 站內搜尋

The ecology & behavior of amphibians 查詢

**NEW!** 資源探索服務(Discovery & Delivery Service)系統可查詢本館館藏、  
機構典藏、數位典藏及期刊文章、會議論文等各類資料。

國立臺灣大學圖書館 NATIONAL TAIWAN UNIVERSITY LIBRARY

資源探索服務 Discovery & Delivery Service

訪客 個人書架 我的帳戶 登入

查找資料庫 | 圖書館首頁 | 重新查詢 | 標籤 | 電子期刊 | 以書目找全文 | 線上輔助

語言: 中文

查館藏+文章 | 查館藏 | 查文章 | 查資料庫 | 自建數典系統 | 機構典藏

The ecology & behavior of amphibians  進階查詢 瀏覽查詢

模糊比對 紀錄

**系統預設為查詢臺大圖書館目錄**

顯示熱門文章

Results 1 - 10 of 406 為 查全部 排序方式 相關性 1 2 3 4 5

僅顯示 同儕審閱期刊 (282) | 可得線上資源 (392) | 可得實體館藏 (3)

1  **The ecology & behavior of amphibians**  
Wells, Kentwood David, 1948-  
Chicago : The University of Chicago Press 2007  
圖書 ● 可在總圖獲得  
館藏地 詳目 評論和標籤 FindIt@NTU

2  **The Ecology and Behavior of Amphibians**  
Hayes, R. Andrew  
Austral Ecology, 2009, Vol.34(1), pp.116-116 [同儕審閱期刊]  
● 可獲得全文  
線上檢視 詳目 評論和標籤 FindIt@NTU

3  **The Ecology and Behavior of Amphibians (Book-Review)**  
Walls, SusanC  
The Quarterly Review of Biology, Vol.83(4), p.416-417 [同儕審閱期刊]  
biodiversity surveys of the amphibians and reptiles of... , function, ecology, and behavior that make the lives...  
Ecology and Behavior of  
● 可獲得全文  
線上檢視 詳目 評論和標籤 FindIt@NTU

4  **Water clarity, maternal behavior, and physiology combine to eliminate UV radiation risk to amphibians in a montane landscape.(ECOLOGY)(Author abstract)**  
Palen, Wendy J. ; Schindler, Daniel E.  
Proceedings of the National Academy of Sciences of the United States of America, May 25, 2010, Vol.107(21), p.9701(6) [同儕審閱期刊]  
● 可獲得全文  
線上檢視 詳目 評論和標籤 FindIt@NTU

擴展查詢範圍  
 本館+非本館資源

僅顯示  
同儕審閱期刊 (282)  
可得線上資源 (392)  
可得實體館藏 (3)

精簡我的查詢結果  
資料類型  
期刊文獻 (358)  
學位論文 (21)  
評論 (13)  
其他 (5)  
參考項目 (5)  
更多選項

主題  
oxygen consumption (1)  
Susceptibility (1)  
Adaptation (Biology) (1)  
Adaptation, Physiological (1)  
Agriculture, Forestry and Wildlife (1)  
更多選項

資料館別(來源)

# 利用Primo直接找文章

使用“資源探索”整合查詢  
文章篇名 Development and application of tools for incursion response: lessons learned from the management of the fouling

國立臺灣大學圖書館  
NATIONAL TAIWAN UNIVERSITY LIBRARY

資源探索服務  
Discovery & Delivery Service

查館藏+文章 查館藏 查文章 查資料庫 自建數典系統 機構典藏

Development and application of tools for incursion response: lessons learned from

模糊比對 紀錄中任何地方

rss  
☆ 選取整頁到個人書架

擴展查詢範圍  
 本館+非本館資源

僅顯示  
同儕審閱期刊 (1)

精簡我的查詢結果

主題  
Anthropogenic Spread (1)  
Ascidians (1)  
Biochemical Composition (1)  
Didemnum Vexillum (1)  
Fish (1)  
更多選項

顯示熱門文章  
3 查詢結果 為 查全部  
僅顯示 同儕審閱期刊 (1)

1 期刊文獻  
 Development and application of tools for incursion response: Lessons learned from the management of the fouling pest *Didemnum vexillum*  
Coutts, Ashley D.M. Journal of Experimental Marine Biology and Ecology, 2007. Hence, in the management of the incursion response to...  
● 可獲得全文  
線上檢視 詳目

2 期刊文獻  
 Studies on the seas coast of India  
Ananthan, G ; Karthi Asian Pacific Journal of Fishery, 2006. ] Coutts A, Forrest B...  
management of the...  
● 可獲得全文  
線上檢視 詳目

Journals Books

Download PDF Export Search ScienceDirect Advanced search

Journal of Experimental Marine Biology and Ecology  
Volume 342, Issue 1, 26 March 2007, Pages 154–162  
Proceedings of the 1st International Invasive Sea Squirt Conference

Development and application of tools for incursion response: Lessons learned from the management of the fouling pest *Didemnum vexillum*  
Ashley D.M. Coutts, Barrie M. Forrest  
Show more  
doi:10.1016/j.jembe.2006.10.042 Get rights and content

Abstract  
In October 2001, an unidentified didemnid ascidian, was recorded for the first time in New Zealand, smothering wharf piles and moorings in a northern harbour. A heavily-fouled barge then translocated the ascidian to an international shipping port some 500 km south, near the heart of the New Zealand mussel industry. The species was subsequently identified as *Didemnum vexillum*, but its status as indigenous or non-indigenous was disputed. Nonetheless, its presence was regarded as a significant threat to the mussel industry because of its demonstrated invasiveness on artificial structures, and its ability to over-grow and smother mussels.

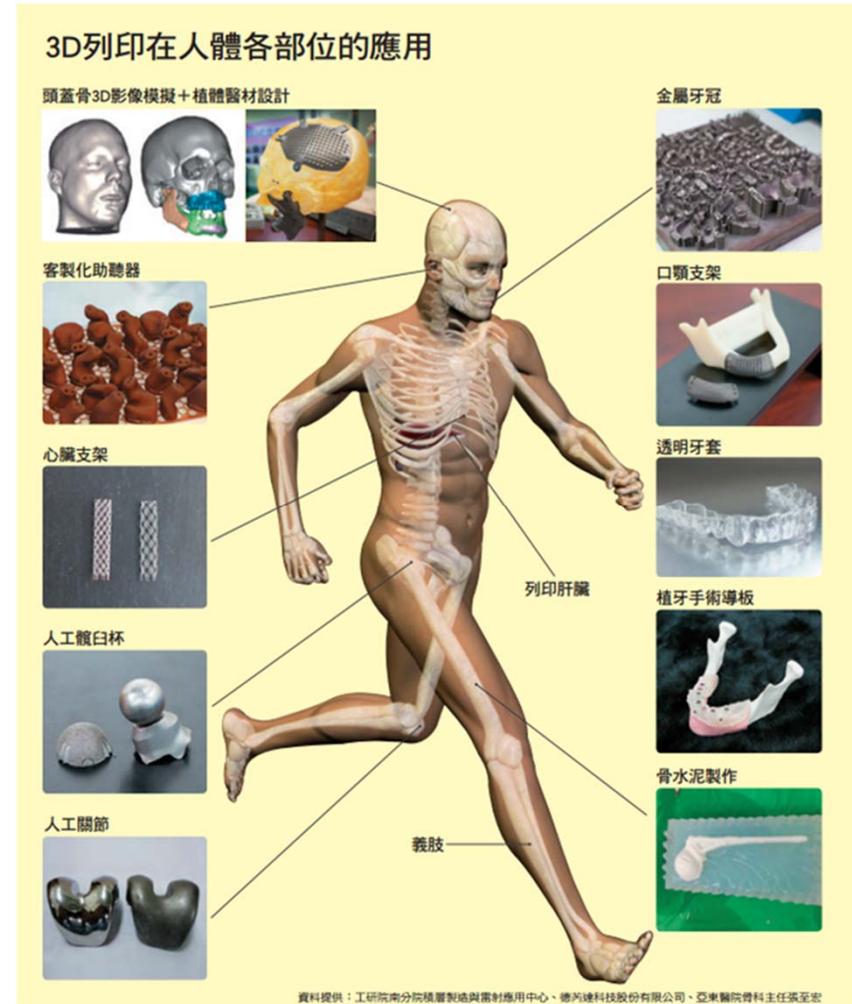
臺灣大學圖書館

# 找尋主題相關文獻 --未知的文章



# 主題概念解析— 以「3D列印人體器官」為例

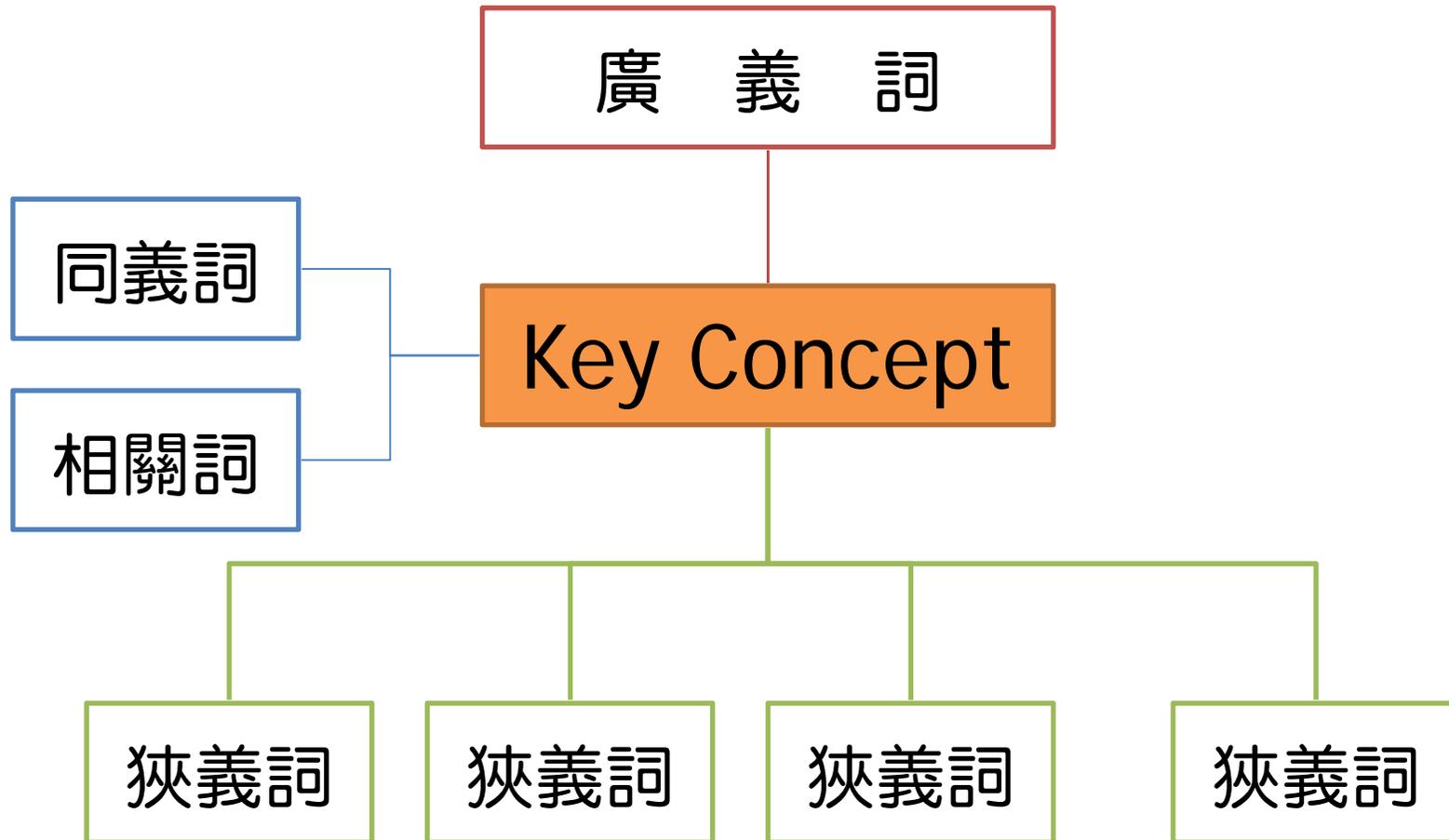
- 3D列印
  - 原理、設備、材料
- 人體器官
  - 肝臟、肺、血管、下巴、皮膚、視網膜細胞..



# 將concept轉化成檢索詞彙

- 關鍵字(Keywords)的抽取
  - 觀念(concepts)、理念(ideas)、專有名詞(terminology)、重要詞彙(significant terms)
- 找出詞彙的字形變化(單複數、縮寫等)
- 找出詞彙的同義詞
- 同時思考中文關鍵字與英文關鍵字
- 找出詞彙間的階層關係(廣義詞、狹義詞、相關詞)

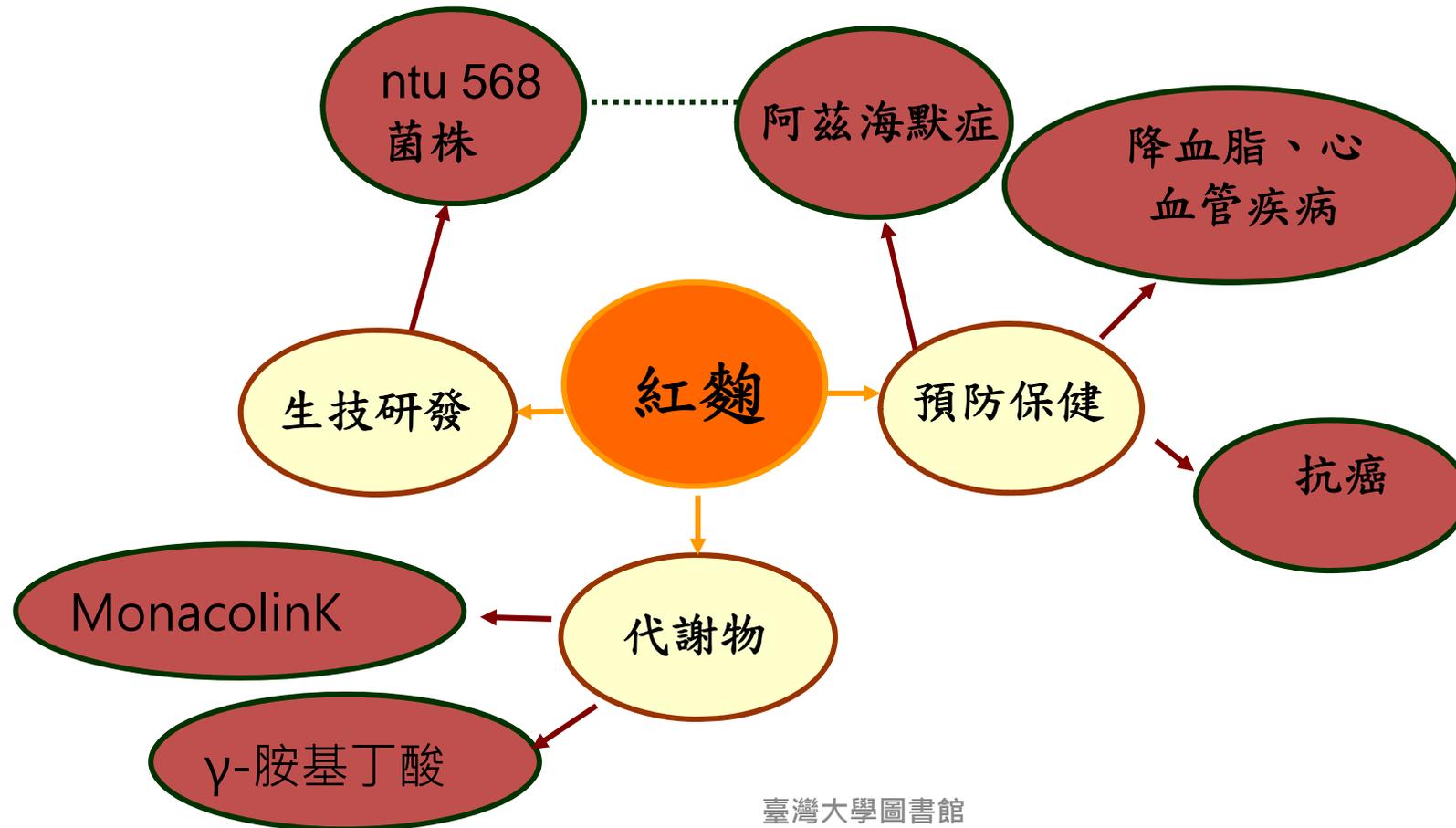
# 詞彙間的階層關係



找出詞彙間的階層關係 ..... 可利用索引典、標題表等工具

# 列出檢索詞彙 – 例舉

- 研究題目：紅麴應用於癌症預防
- 概念：紅麴、癌症
- Keyword:



# 列出檢索詞彙 – 例舉

- 研究題目：3D列印人體器官
- 概念：3D列印、器官培養
- Keyword:

概念	3D Printing	Organ Culture
廣義詞	Printing; Layer manufacturing; .....	Medical Application Clinical Medicine;
狹義詞	Nanoscale 3D printing; Bio-printing	Organ Culture Techniques Liver, kidney, skin...
相關詞/ 同義詞	Three Dimensional Printing (3DP); 3D Printer(s); Additive manufacturing (AM);	Tissue Engineering Tissue Culture

# 善用檢索技巧、建立檢索策略

運用資訊檢索的基本觀念配合資料庫系統所提供的檢索功能，將已分析的研究主題關鍵詞，建立檢索策略執行檢索。

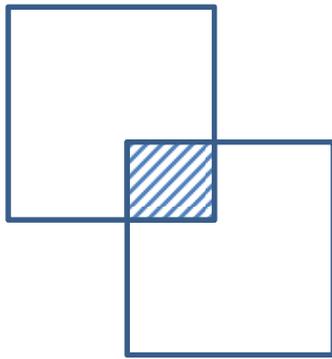
**AND**  
**OR**  
**NOT**



# 檢索技巧：布林邏輯

## AND

結果會出現所有檢索詞



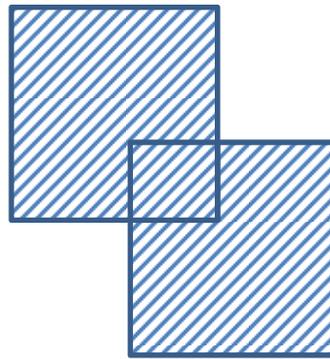
探討「果蠅遺傳、突變和學習行為研究」

果蠅 AND 遺傳 AND 學習行為

用於相異概念詞彙

## OR

結果至少出現一個檢索詞



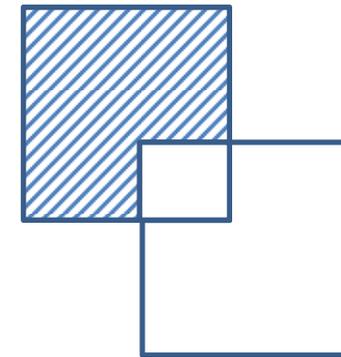
探討「慢性病用藥觀念」

慢性病 OR 糖尿病 OR 高血壓

用於相似概念詞彙

## NOT

結果包含前者  
但不包含後者檢索詞



探討「基因工程與複製人」

cloning NOT sheep

排除不相關的範圍

# 檢索技巧：萬用字元、片語查詢

## 萬用字元

- 用於檢索單一詞彙之單複數形
- 用於檢索不確定之拼字
- ?代表一個英文字母、\*代表多個字母
  - 輸入wom?n：可找到 woman、women
  - 輸入t??th：可找到 tooth、teeth、truth、tenth
  - 輸入comput\*：可找到 computer、computers、computerize、computerization

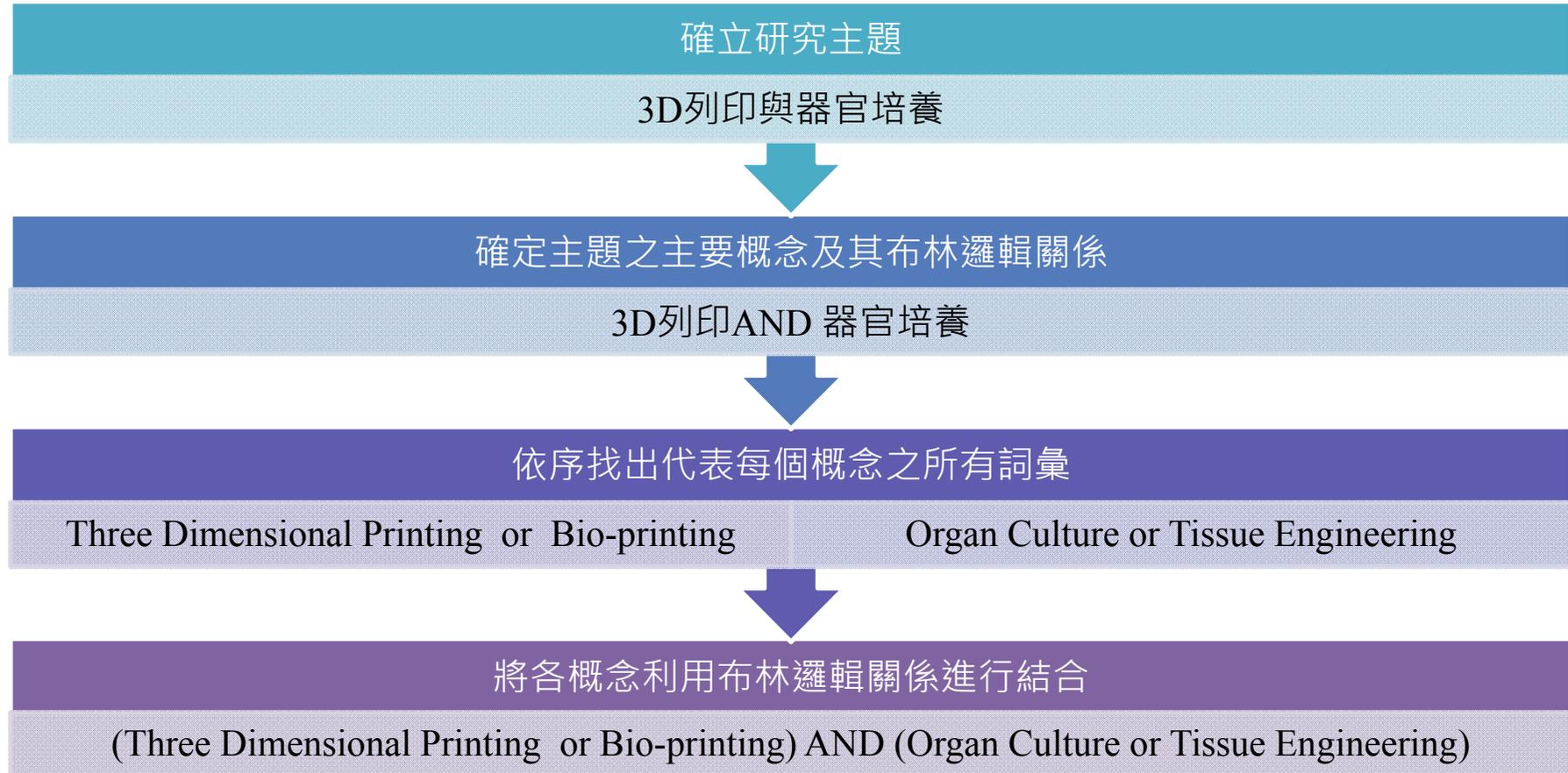
擴大查詢範圍

## 片語查詢

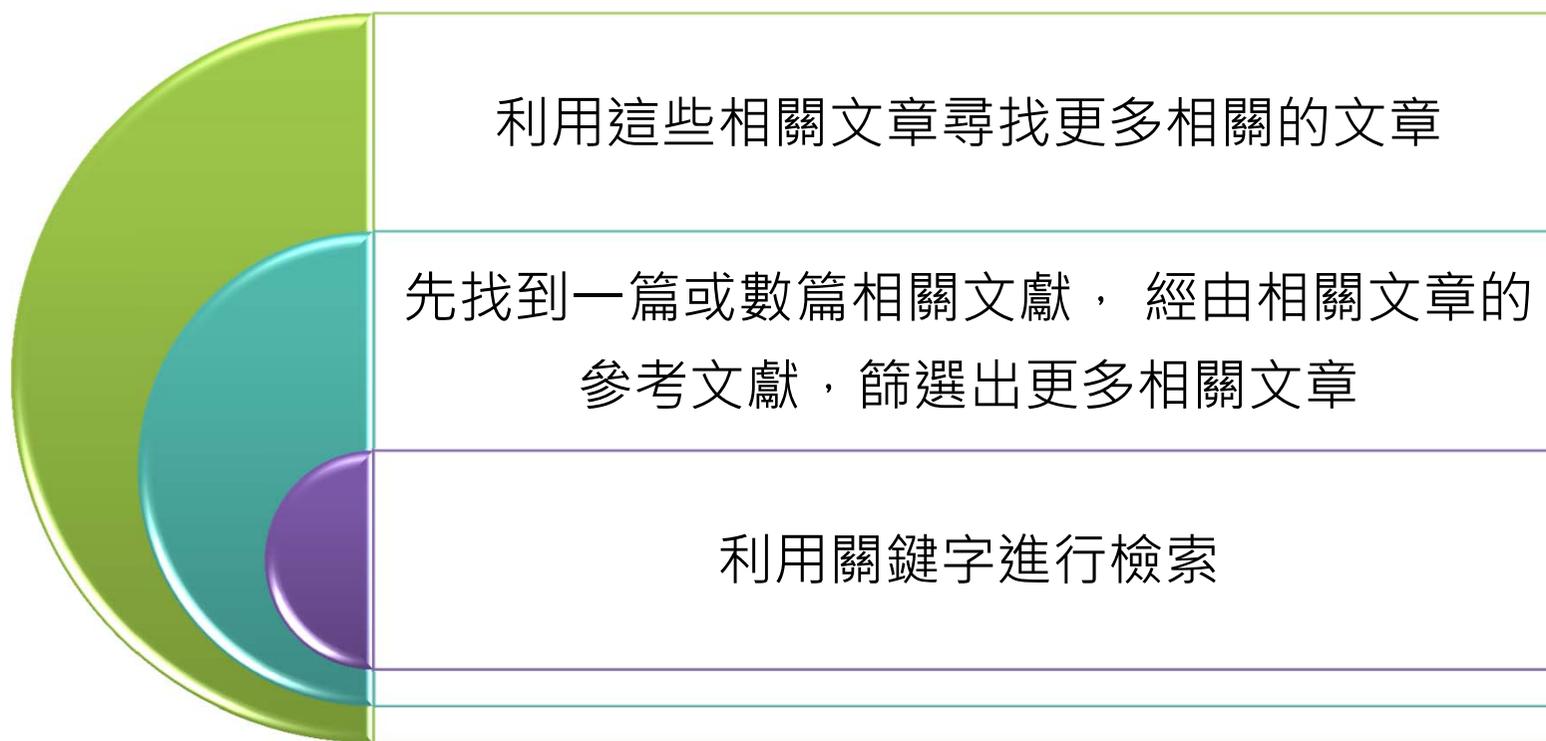
- 輸入 " "：可限制為片語，輸入的詞彙不會被拆解查詢，適合查詢專有名詞或確切名稱時使用。例如 "artificial intelligence"

縮小查詢範圍，找到更精確的資訊

# 分區組合檢索法



# 引用文獻滾雪球法



# 找尋主題相關文獻

## -- 查找途徑

館藏目錄

Primo (資源探索服務系統)

資料庫



館藏資源 ▾

特色館藏

電子資源 ▾

服務項目 ▾

推廣活動 ▾

關於本館 ▾

招募活動 ▾

查詢個人借閱紀錄

館藏目錄 TULIPS

館藏目錄(簡易版) ezTULIPS

學士論文(本館早期收藏)

整合查詢

教師指定參考資料

專題書目

新書目錄

臺大書卷講

多媒體影音資源

圖書推薦服務

查資料庫 站內搜尋

全部館藏 ▾ 查詢

期刊、電子資源、影音資料等

### 常用服務

詳細開放時間 寒假(104.1.19~104.2.15) 圖書館行事曆

- 校外連線說明
- 借閱規則
- 考古題
- 圖書館利用講習
- 圖書館導覽服務
- 數位學習網
- 資料庫指引
- 論文繳交及離校手續
- 校內圖書代借服務
- 館際合作服務
- 筆記型電腦使用及上網
- 連絡學科館員
- 查詢個人借閱紀錄
- 失物招領查詢

### 最新消息

- [公告] 2/2(一)總圖書館多媒體服務中心閉館一日進行例行設備維護
- [公告]104.2.7 (周六) 辜振甫先生紀念圖書館停電休館一日
- [公告]停機訊息-EBL電子書平臺暫停服務通知
- [公告]104.1.24辜振甫先生紀念圖書館紀念牆面安裝
- 公告：臺大社會科學院辜振甫先生紀念圖書館誠徵工讀生1名
- [公告]臺大辜振甫先生紀念圖書館誠徵助學全工讀生
- [公告]停機訊息-碩睿資訊公司產品暫停服務通知
- 揮別期末考，喜迎寒假賀新春！ - 臺大圖書館館訊 4277



臺灣大學圖書館

- 臺大圖書館
- 辜振甫先生紀念圖書館
- 校總區院/系所圖書室
- 臺灣大學校史館



## 主題查詢

### 從主題查詢有關器官培養 organ culture的館藏

主題(從首字比對) ▾ 請輸入主題或詞彙 Organ Culture 全部館藏 ▾ 查詢

只顯示可流通資料

- 查詢尚未收錄於館藏目錄的中文電子書
- 輸入主題，諸如：兒童文學、中國歷史。
- 館藏目錄中的主題，都是根據「主題表」而訂的，中文資料是採用國立中央圖書館出版之「中文圖書標題表」，西文資料是採用美國國會圖書館出版的「Library of Congress Subject Headings」，因此輸入時必須採用主題表的用詞，查詢到的資料才正確完整。
- 「主題」查詢，系統從標題欄位第一個字開始逐一比對輸入的查詢詞彙，因此需輸入標題開頭的前幾個字或是完整標題。若書刊名為英文，起始字是冠詞 (a, an, the) 時，不需輸入冠詞。
- 「主題關鍵字」查詢，系統比對整個標題欄位，可輸入部分或完整主題。
- 在「主題關鍵字」中，可運用布林邏輯 (Boolean logic) 及各種查詢運算符號滿足更精確的查詢需求，詳見查詢說明。
- 館藏目錄TULIPS 外觀及附加功能說明

- 查詢個人借閱紀錄 / 續借
- 申請借還書電子郵件通知
- 申請校內圖書代借/代印服務
- 推薦書刊 / 推薦結果查詢
- 意見回饋

## 常用查詢工具 / 資源

- 臺大新書目錄 | 新書精選推薦
- 臺大機構典藏 NTUR
- 電子資源：資料庫 | 電子期刊 | 電子書
- 跨資料庫整合查詢工具：DISCOVERY
- 跨館查詢工具：聯合目錄 | MetaCat



目錄及研究協助 ▾ 電子資源 ▾ 特色館藏 ▾ 服務項目及規則 ▾ 展覽活動 關於本館 登入

✳ 重新查詢

☰ 詳目顯示

🔍 縮小範圍查詢

🔍 ABC 轉關鍵字查詢

🔍 其他查詢

(查詢歷史) ▾

標題/主題 ▾

Organ Culture

全部館藏 ▾

系統已排序 ▾

排序

查詢

只顯示可流通資料

儲存勾選紀錄

儲存此頁紀錄

儲存紀錄至個人書單

序號	註記	標題/主題 (1-4 之 4)	年	條目 5筆查獲
1		Organ culture -- 見 Organs, Culture of		1
2	<input type="checkbox"/>	Organ Culture -- congresses		2
3	<input type="checkbox"/>	Organ Culture -- methods : 醫圖3F開架圖書室:可流通 ; WR25 E61 2004	2010	1
4	<input type="checkbox"/>	Organ Culture Techniques -- methods : 醫圖3F開架圖書室:可流通 ; WR25 E61 2005	c2005	1

儲存勾選紀錄

儲存此頁紀錄

儲存紀錄至個人書單

✳ 重新查詢

☰ 詳目顯示

🔍 縮小範圍查詢

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# Primo (資源探索服務系統)

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bioprinting 查詢

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bioprinting

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資料類型

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3d Printing (41)  
Biological Products (41)  
Biomaterials (47)  
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Biomedical materials (1)

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資料館別(來源)

OneFile (GALE) (429)  
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1

Bioprinting : principles and applications

Chua, Chee Kai, author. Yeong, Wai Yee, author.  
New Jersey : World Scientific Publishing, 2015. 2015

● 請利用詳目返回原始網頁查看

詳目 評論和標籤 FindIt@NTU



2

Hyaluronan and gelatin biomaterials for bioprinting engineered tissues

Skardal, Aleksander. ProQuest Information and Learning Co. ; The University of Utah. Bioengineering.  
Dissertation Abstracts International 71-08B.  
Thesis (Ph.D.)--The University of Utah, 2010. 2010

● 可在線上獲得

線上檢視 詳目 評論和標籤 FindIt@NTU



3

Vascular Bioprinting

da Graca, Briget ; Filardo, Giovanni  
The American Journal of Cardiology, 2011, Vol.107(1), pp.141-142 [同儕審閱期刊]

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4

Bioprinting: 3D Bioprinting of Vascularized, Heterogeneous Cell-Laden Tissue Constructs (Adv. Mater. 19/2014

Kolesky, David B. ; Truby, Ryan L. ; Gladman, A. Sydney ; Busbee, Travis A. ; Homan, Kimberly A. ; Lewis, Jennifer A.

Advanced Materials, 2014, Vol.26(19), pp.2966-2966

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Bioprinting: Functional droplet networks

Naside Gozde Durmus ; Savas Tasoglu ; Utkan Demirci  
Nature Materials, 2013, Vol.12(6), p.478

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- 公告：2014/10/26圖書館清理傘架
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常用資料庫(Hot)

主題排列(Subject)

類型排列(Type)

題名排列(Title)

語文別排列(Language)

試用資源(Trial)

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- 其他參考工具-Reference Tools (62)
- 書目管理軟體-Bibliographic Management Software (6)
- 專利/標準-Patents/standards (7)
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	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="background-color: #cccccc;">No.</th> <th></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: right;">Agric...</td> </tr> </tbody> </table>	No.		1	Agric...	
No.						
1	Agric...					

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- **期刊為主要收錄資料類型之主題型資料庫：**
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  - PubMed
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  - Current Protocols (實驗手冊)
  - Springer Protocols
  - Wiley Online Books
- **博碩士論文：**
  - 美加地區：PQDT ( PQDT數位化論文典藏聯盟 )
  - 臺灣：全國博碩士論文資訊網、CETD中文電子學位論文服務
  - 中國大陸：CNKI中國博碩士論文全文資料庫

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- [F1000Prime](#)

- 由全世界超過10,000位各領域的醫學臨床學者、生物學專家學者，針對其特定之專業領域，即時挑選世界上最重要的醫學及生物學論文，做出評論與建議閱讀，並給予評分。使用者可在此資料庫先閱讀由專家學者所評論的文獻，再延伸閱讀其他深度及廣度的資料。

- [Journal of Visualized Experiments-JoVE](#)

- 視覺化實驗期刊，包含科學實驗的影片教學示範與超過2500部的實驗影片。本校訂購:General、Applied Physics、Behavior、Bioengineering、Chemistry、Clinical and Translation Medicine、Environment、Immunology and Infection、Neuroscience等9 Sections。

# PubMed

- PubMed為美國國家醫學圖書館的美國國家生物技術資訊中心(National Center for Biotechnology Information, 簡稱NCBI) 所研發生物醫學相關文獻的Web-based 檢索系統。
- 以收錄生命科學相關文獻為主，並收錄資訊科學、航太科學等其他學科文獻，收錄年代自1950年起。
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The screenshot shows the PubMed website interface. At the top, there are navigation links for 'NCBI Resources' and 'How To'. Below that, the 'PubMed.gov' logo is visible, along with a search bar containing 'PubMed' and a dropdown menu. The main content area displays a search result for a paper titled 'Community Analysis of Arbuscular Mycorrhizal Fungi in Roots of Poncirus trifoliata and Citrus reticulata Based on SSU rDNA.' by Wang P<sup>1</sup> and Wang Y<sup>2</sup>. The abstract text is visible, starting with 'Morphological observation of arbuscular mycorrhizal fungi (AMF) species in rhizospheric soil could not accurately reflect the actual AMF colonizing status in roots...'. On the right side, there are buttons for 'Save it', 'Add', 'Related', and 'Review'. A red box highlights the NTU logo in the top right corner of the page.

基本書目資料

Linkout 本館電子全文

Biomaterials. 2015 Feb;42:30-41. doi: 10.1016/j.biomaterials.2014.11.029. Epub 2014 Dec 12.

### Synergism through combination of chemotherapy and oxidative stress-induced autophagy in A549 lung cancer cells using redox-responsive nanohybrids: a new strategy for cancer therapy.

Lu HY<sup>1</sup>, Chang YJ<sup>2</sup>, Fan NC<sup>2</sup>, Wang LS<sup>2</sup>, Lai NC<sup>3</sup>, Yang CM<sup>4</sup>, Wu LC<sup>5</sup>, Ho JA<sup>6</sup>.

摘要

#### Author information

#### Abstract

A combination of various therapeutic approaches has emerged as a promising strategy for cancer treatment. A safe and competent nano-delivery system is thus in urgent demand to facilitate the simultaneous transport of various therapeutic agents to cancer cells and a tumor region to achieve synergistic effect. Gold nanoparticles (GNPs) and mesoporous silica nanoparticle (MSNs) were fabricated herein as potential candidates for drug delivery. Serving as gatekeepers, GNPs (5 nm in diameter) were attached onto the amino-functionalized MSNs (denoted as NMSNs) via a relatively weak gold-nitrogen bonding. The resulting nanohybrids (denoted as GCMSNs) were uptaken by cells, and the detachment of GNPs and subsequent intracellular drug release from NMSNs were achieved by competitive binding of intracellular glutathione to GNPs. In addition to the function of gatekeeping, GNPs also play another role as the oxidative stress elicitor. Our in vitro studies revealed that GCMSNs induced higher oxidative stress in lung cancer cells (A549) than in normal cells (3T3-L1). This growth inhibitory effect found in the cancer cells was likely induced by mitochondria dysfunction originated from the GCMSN-induced, oxidative stress-triggered mitochondria-mediated autophagy. The redox-responsive nanohybrids were further loaded with camptothecin and the intensified synergistic therapeutic effects were observed associated with combined chemotherapy and oxidative stress strategy. The results clearly demonstrate that such unique nanohybrids hold great promise for selective and effective cancer treatments

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**KEYWORDS:** Autophagy; Chemotherapy; Glutathione-mediated intracellular release; Gold nanoparticles capping; Mesoporous silica nanohybrid; Oxidative stress strategy

PMID: 25542791 [PubMed - in process]

PMID-文章識別號

根據摘要、標題與MeSH名詞，配合字元權重計算出相關文章



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# 書目記錄中的MeSH terms

## Middle ear and hearing disorders of schoolchildren aged 7-10 years in South Sinai, Egypt.

Yamamah G, Mabrouk A, Ghorab E, Ahmady M, Abdulsalam H.

Paediatrics Department, National Research Centre, Cairo, Egypt. Yamamahg@hotmail.com

### Abstract

Hearing loss among schoolchildren in developing countries is reported to be a significant health problem. Data on child hearing loss in South Sinai, a

PMID: 22574480 [PubMed - indexed for MEDLINE]

### MeSH Terms

#### MeSH Terms

[Acoustic Impedance Tests](#)

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### Related citations in PubMed

A role for otoacoustic emissions in screening for hearing impairment and middle ear [Ear Hear. 1997]

Non-auditory middle ear afflictions in otitis media with effusion [Pediatrics. 2004]

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[otitis media \(24771\)](#) PubMed

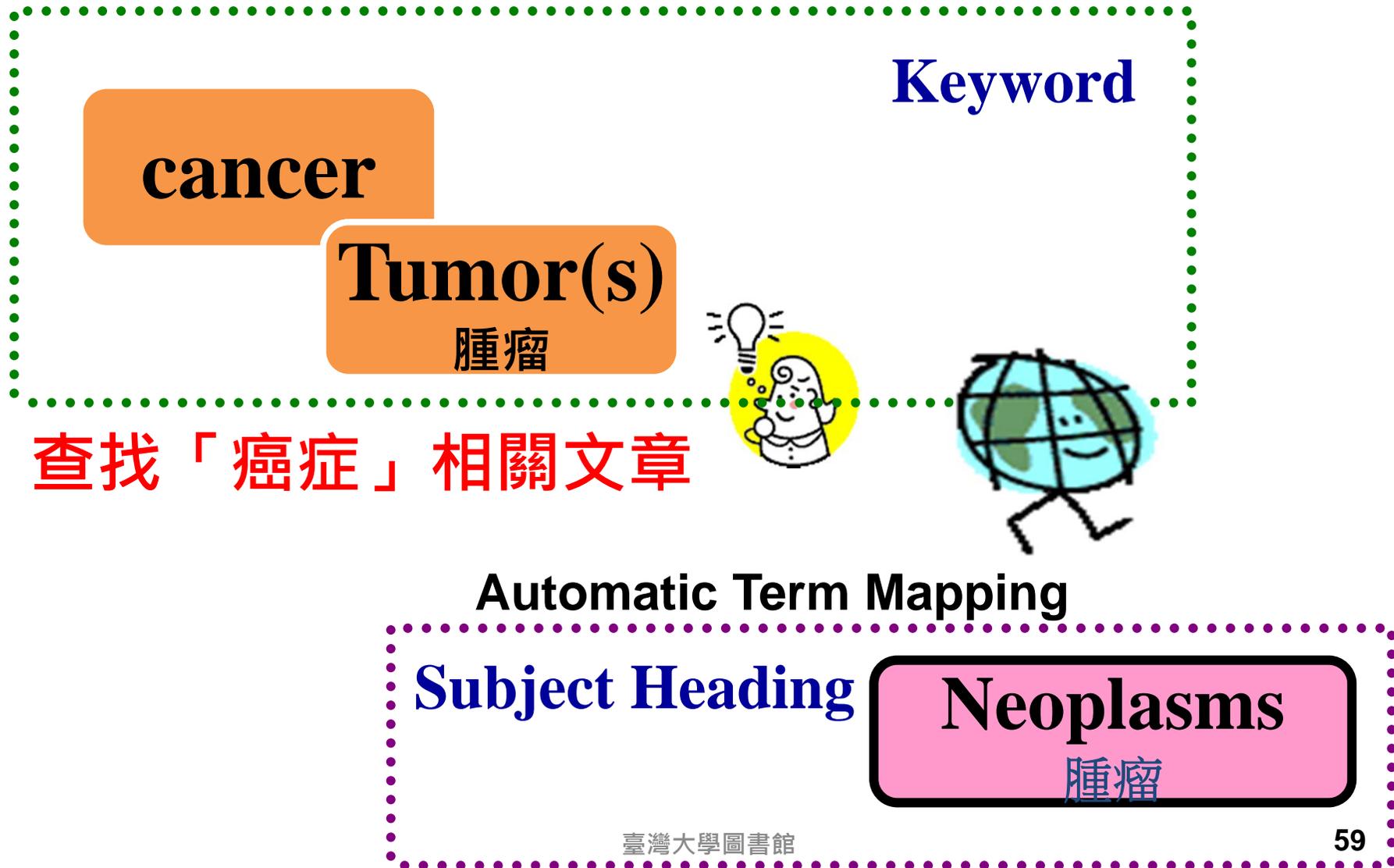
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- [Erratum.](#)  
1. [No authors listed]  
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J Natl Cancer Inst. 2014 Jul 30;106(8). pii: dju186. Print 2014 Aug. Review.  
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- [ACUTE HEPATIC ISCHEMIC- REPERFUSION INJURY INDUCES A RENAL CORTICAL 'STRESS RESPONSE', RENAL 'CYTORESISTANCE' AND AN ENDOTOXIN HYPER-RESPONSIVE STATE.](#)  
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[Immobilization of Clostridium cellulolyticum d- Psicose 3-Epimerase on Artificial Oil Bodies.](#)

1. Tseng CW, Liao CY, Sun Y, Peng CC, Tzen JT, Guo RT, Liu JR.  
J Agric Food Chem. 2014 Jul 16;62(28):6771-6. doi: 10.1021/jf502022w. Epub 2014 Jul 8.

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 [Treatment of stress urinary incontinence by ginsenoside rh2.](#)1. Chen YH, Lin YN, Chen WC, Hsieh WT, Chen HY.  
Am J Chin Med. 2014;42(4):817-31. doi: 10.1142/S0192415X14500529.  
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[Related citations](#) [A well-refined in vitro model derived from human embryonic stem cell for screening phyto with midbrain dopaminergic differentiation-boosting potential for improving Parkinson's di](#)2. Hsieh WT, Chiang BH.  
J Agric Food Chem. 2014 Jul 9;62(27):6326-36. doi: 10.1021/jf501640a. Epub 2014 Jun 30.  
PMID: 24933592 [PubMed - in process]  
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Yang Hsu B, Hui Chen C, Jang Lu T, Sun  
J Tradit Complement Med. 2013 Apr;3(2):95-101  
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[Related citations](#) [Inhibition of Na\(+\)/K\(+\) -ATPase by antcins, unique steroid-like compounds in Antrodia camphorate.](#)5. Chung TY, Li FY, Chang CI, Jinn TR, Tzen JT.  
Am J Chin Med. 2012;40(5):953-65. doi: 10.1142/S0192415X1250070X.  
PMID: 22928877 [PubMed - indexed for MEDLINE]

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Journal Article	Chen, Y. H.; Lin, Y. N.; Chen, W. C.; Hsieh, W. T...	2014	Treatment of stress urinary incontin...		Am J C
Journal Article	Hsieh, W. T.; Chiang, B. H.	2014	A well-refined in vitro model derive...		J Agric
Journal Article	Yang Hsu, B.; Hui Chen, C.; Jang Lu, T.; Sun Hw...	2013	Bioconversion of ginsenosides in th...		J Tradi

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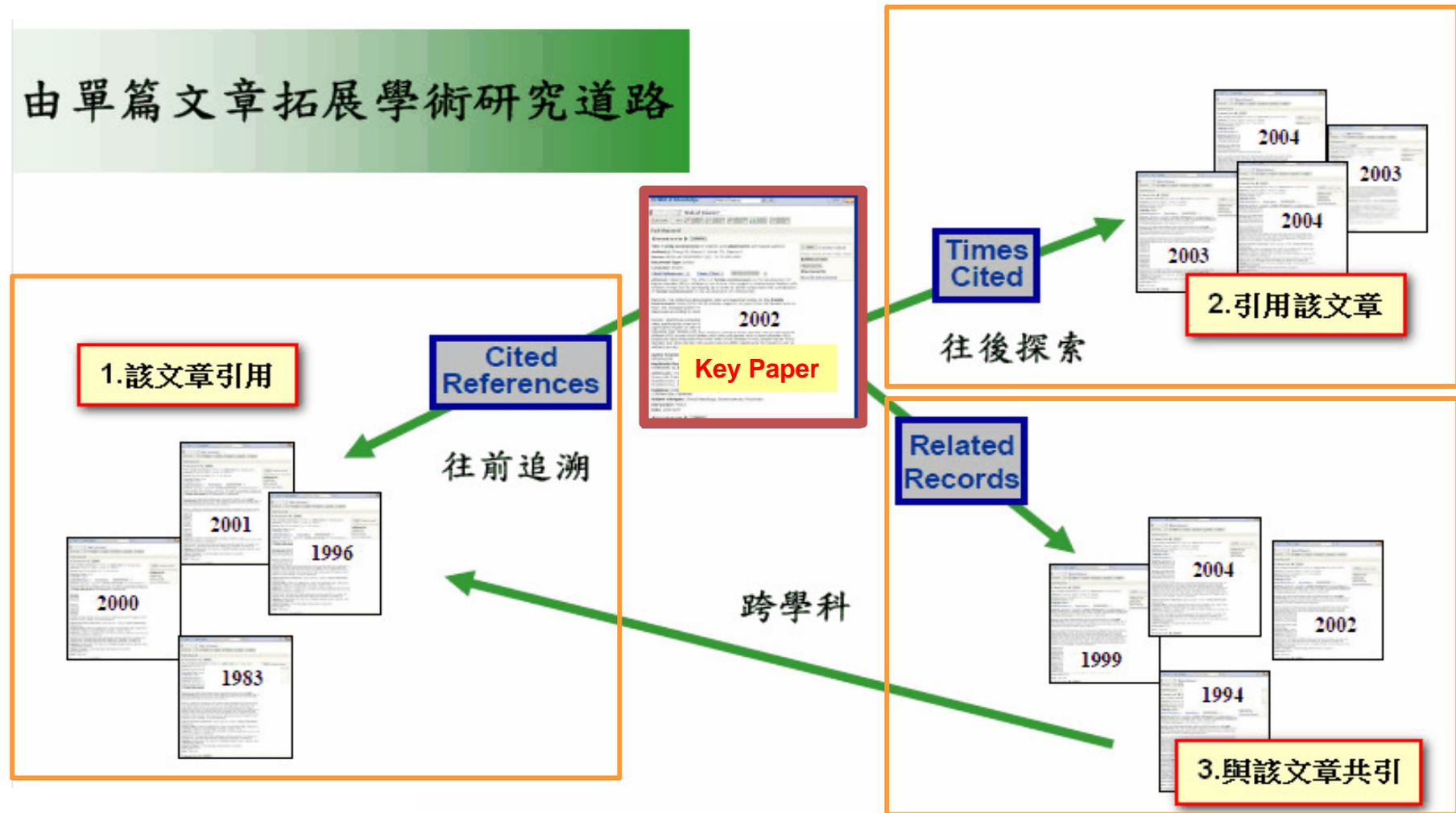
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By: Sachlos, Eleftherios; Gotora, Duce; Czernuszka, Jan T.  
TISSUE ENGINEERING Volume: 12 Issue: 9 Pages: 2479-2487 Published: SEP 2006

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<p><b>3D printing based on imaging data: review of medical applications</b></p> <p>By: Rengier, F (Rengier, F.)<sup>[1,2]</sup>; Mehndiratta, A (Mehndiratta, A.)<sup>[1,3]</sup>; von Tengg-Kobligk, H (von Tengg-Kobligk, H.)<sup>[1,2]</sup>; Zechmann, CM (Zechmann, C. M.)<sup>[1,4]</sup>; Unterhinninghofen, R (Unterhinninghofen, R.)<sup>[5]</sup>; Kauczor, HU (Kauczor, H. -U.)<sup>[2]</sup>; Giesel, FL (Giesel, F. L.)<sup>[1,2,4]</sup></p> <p>INTERNATIONAL JOURNAL OF COMPUTER ASSISTED RADIOLOGY AND SURGERY Volume: 5 Issue: 4 Pages: 335-341 DOI: 10.1007/s11548-010-0476-x Published: JUL 2010 <a href="#">View Journal Information</a></p> <p><b>Abstract</b> Purpose Generation of graspable three-dimensional objects applied for surgical planning, prosthetics and related applications using 3D printing or rapid prototyping is summarized and evaluated.</p> <p>Materials and methods Graspable 3D objects overcome the limitations of 3D visualizations which can only be displayed on flat screens. 3D objects can be produced based on CT or MRI volumetric medical images. Using dedicated post-processing algorithms, a spatial model can be extracted from image data sets and exported to machine-readable data. That spatial model data is utilized by special printers for generating the final rapid prototype model.</p> <p>Results Patient-clinician interaction, surgical training, medical research and education may require graspable 3D objects. The limitations of rapid prototyping include cost and complexity, as well as the need for specialized equipment and consumables such as photoresist resins.</p> <p>Conclusions Medical application of rapid prototyping is feasible for specialized surgical planning and prosthetics applications and has significant potential for development of new medical applications.</p> <p><b>Keywords</b> <b>Author Keywords:</b> Rapid prototyping; Patient care; Prostheses and implants; Medical education; Computer-assisted image processing <b>KeyWords Plus:</b> RAPID PROTOTYPING TECHNIQUES; COMPUTED-TOMOGRAPHY; THORACIC AORTA; SURGERY; MODELS; CT; STEREO LITHOGRAPHY; BENEFITS; RECONSTRUCTION; FABRICATION</p>	<p><b>Citation Network</b></p> <p>35 Times Cited 55 Cited References <a href="#">View Related Records</a> <a href="#">View Citation Map</a> <a href="#">Create Citation Alert</a> <i>(data from Web of Science TM Core Collection)</i></p> <p><b>All Times Cited Counts</b> 38 in All Databases 35 in Web of Science Core Collection 10 in BIOSIS Citation Index 2 in Chinese Science Citation Database 0 in Data Citation Index 0 in SciELO Citation Index</p> <p><b>Most Recent Citation</b> Andani, Mohsen Taheri. Metals for bone implants. Part 1. Powder metallurgy and implant rendering. ACTA BIOMATERIALIA, OCT 2014. <a href="#">View All</a></p>
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# Gold/Phospholipid nanoconstructs as label-free optical probes for evaluating phospholipase A(2) activity

By: Chen, SH (Chen, Si-Han)<sup>[1,2]</sup>; Hsu, YP (Hsu, Yen-Pang)<sup>[2]</sup>; Lu, HY (Lu, Hsin-Yi)<sup>[2]</sup>; Ho, JAA (Ho, Ja-an Annie)<sup>[1,2]</sup>

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BIOSENSORS & BIOELECTRONICS

Volume: 52 Pages: 202-208

DOI: 10.1016/j.bios.2013.08.017

Published: FEB 15 2014

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## Abstract

A facile, monophasic strategy, involving a cooperative solvent, dimethylformamide (DMF), to synthesize core/shell architected gold-phospholipid hybrid nanoconstructs (PLGNPs) was presented herein. We employed the as-synthesized PLGNPs as enzymatic substrates and detecting probes, leading to the development of a novel, lag time-free quantitative assay to evaluate the activity of Ca<sup>2+</sup>-dependent phospholipase A(2) (PLA(2)), an inflammatory protein that (i) plays a role in the pathogenesis of many inflammatory diseases, atherosclerosis and ischemic damage

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**Gold/Phospholipid nanoconstructs as label-free optical probes phospholipase A(2) activity**

By: Chen, SH (Chen, Si-Han)<sup>[1,2]</sup>; Hsu, YP (Hsu, Yen-Pang)<sup>[2]</sup>; Lu, HY (Lu, Hsin-Yi)<sup>[2]</sup>; Ho, JAA (Hsu, Jen-Chieh)<sup>[2]</sup>

BIOSENSORS & BIOELECTRONICS

Volume: 52 Pages: 202-208

DOI: 10.1016/j.bios.2013.08.017

Published: FEB 15 2014

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**Abstract**

A facile, monophasic strategy, involving a cooperative solvent, dimethylformamide (DMF), to synthesize hybrid nanoconstructs (PLGNPs) was presented herein. We employed the as-synthesized PLGNPs as electrodeposited on a gold electrode leading to the development of a novel, lag time-free quantitative assay to evaluate the activity of Ca<sup>2+</sup>-dependent inflammatory protein that (i) plays a role in the pathogenesis of many inflammatory diseases.

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International Journal of Computer Assisted Radiology and Surgery  
Volume 5, Issue 4, July 2010, Pages 335-341

**3D printing based on imaging data: Review of medical applications** (Review)

Rengier, F.<sup>ab</sup>, Mehndiratta, A.<sup>ac</sup>, Von Tengg-Kobligh, H.<sup>ab</sup>, Zechmann, C.M.<sup>ad</sup>, Unterhinninghofen, R.<sup>e</sup>, Kauczor, H.-U.<sup>b</sup>, Giesel, F.L.<sup>abd</sup>  

<sup>a</sup> Department of Radiology E010, German Cancer Research Center Heidelberg, Im Neuenheimer Feld 280, 69120 Heidelberg, Germany  
<sup>b</sup> Department of Diagnostic and Interventional Radiology, University Hospital Heidelberg, Im Neuenheimer Feld 110, 69120 Heidelberg, Germany  
<sup>c</sup> School of Medical Science and Technology, Indian Institute of Technology, Kharagpur 721302, India  
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Purpose Generation of graspable three-dimensional objects applied for surgical planning, prosthetics and related applications using 3Dprinting or rapid prototyping is summarized and evaluated. Materials and methods Graspable 3D objects overcome the limitations of 3D visualizations which can only be displayed on flat screens. 3D objects can be produced based on CT or MRI volumetric medical images. Using dedicated post-processing algorithms, a spatial model can be extracted from image data sets and exported to machine-readable data. That spatial model data is utilized by special printers for generating the final rapid prototype model. Results Patient-clinician interaction, surgical training, medical research and education may require graspable 3D objects. The limitations of rapid prototyping include cost and complexity, aswell as the need for specialized equipment and consumables such as photoresist resins. Conclusions Medical application of rapid prototyping is feasible for specialized surgical planning and prosthetics applications and has significant potential for development of new medical applications © CARS 2010.

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Computer-assisted image processing; Medical education; Patient care; Prostheses and implants; Rapid prototyping

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**Towards real-time detection of seizures in awake rats with GPU-accelerated diffuse optical tomography**  
Zhang, T., Zhou, J., Carney, P.R.  
(2015) Journal of Neuroscience Methods

**Bringing crystal structures to reality by three-dimensional printing**  
Kitson, P.J., MacDonell, A., Tsuda, S.  
(2014) Crystal Growth and Design

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(2014) Veterinary Radiology and Ultrasound

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(2012) Journal of Clinical Neuroscience

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**The Sydney multicenter study of Parkinson's disease: The inevitability of dementia at 20 years**

By: Hely, MA (Hely, Mariese A.)<sup>1</sup>; Reid, WGJ (Reid, Wayne G. J.)<sup>1</sup>; Adena, MA (Adena, Michael A.)<sup>2</sup>; Halliday, GA (Halliday, Glenda A.)<sup>3</sup>; Morris, JGL (Morris, John G. L.)<sup>1</sup>

MOVEMENT DISORDERS  
Volume: 23 Issue: 6 Pages: 837-844  
DOI: 10.1002/mds.21956  
Published: APR 30 2008  
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**Abstract**  
After 20 years follow-up of newly diagnosed patients with Parkinson's disease (PD), 100 of 136 (74%) have died. The mortality rate fell in the first 3 years of treatment, then rose compared to the general population, the standardized mortality ratio from 15 to 20 years reaching 3.1. Drug induced dyskinesia and end of dose failure were experienced by most patients, but the main current problems relate to the non-levodopa responsive features of the disease. Dementia is present in 83% of 20-year survivors. Dementia correlates with increasing age and probably reflects an interplay of multiple pathologies. Seventeen **people with dementia** had postmortems. Eight had diffuse Lewy bodies as the only cause of dementia, while others had mixed neuropathology. Only one person lives independently and 48% are in nursing homes. Excessive daytime sleepiness is noted in 70%, falls have occurred in 87%, freezing in 81%, fractures in 35%, symptomatic postural hypotension in 48%, urinary incontinence in 71%, moderate dysarthria in 81%, choking in 48%, and hallucinations in 74%. The challenge is to understand the cellular mechanisms underlying the diverse features of advanced PD that go far beyond a lack of dopamine. (C) 2008 Movement Disorder Society.

**Keywords**  
Author Keywords: Parkinson's disease; progression; dementia; mortality  
KeyWords Plus: LEWY BODIES; ALZHEIMERS-DISEASE; NATURAL-HISTORY; PREVALENCE; MORTALITY; ONSET; AGE; RIVASTIGMINE; SYMPTOMS; BENEFITS

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Health and Social Care in the Community  
Volume 11, Issue 5, September 2003, Pages 307-306

**'We didn't know it would get that bad': South Asian experiences of dementia and the service response** (Review)

Bowes, A.<sup>a,b</sup>, Wilkinson, H.<sup>a</sup>

<sup>a</sup> Department of Applied Social Science, University of Stirling, Stirling, United Kingdom  
<sup>b</sup> Department of Applied Social Science, University of Stirling, Stirling FK9 4LA, United Kingdom

**Abstract**  
The aim of the present paper was to examine some views and experiences of dementia among older South Asian people, as well as their families and carers, and to explore central issues of service support. Data were collected in Scotland through interviews with 11 professionals working with South Asian people with dementia, and four case studies of South Asian people with a diagnosis of dementia, as well as their families and carers. The case studies demonstrated overwhelmingly negative experiences of dementia, with poor quality of life, desperate needs for support, lack of access to appropriate services, little knowledge of dementia, and isolation from community and family life. The interviews with professionals described a strong demand for services, a need to develop awareness and knowledge about dementia in South Asian communities, and a need to promote more culturally sensitive, individually responsive services. Similarities between South Asian people and the non-South Asian population include stress on carers, increasing isolation, problematic diagnostic practices, lack of knowledge and demand for service support. Differences include limited use of non-National Health Service (NHS) support, dealing with later stages of dementia at home, particularly negative views about residential care, culturally based attitudinal differences and use of the term 'dementia' in English as neutral rather than stigmatising. The present authors suggest that there is little knowledge and experience of dementia in South Asian communities, as well as restricted access to appropriate services, despite the efforts of voluntary sector and NHS special projects. There is demand for services, especially at home. Services need to develop individual responsiveness for effective working in a diverse society.

**Keywords**

**Cited by 44 documents since 1996**  
[Redefining dementia care barriers for ethnic minorities: The religion-culture distinction](#)  
Regan, J.L.  
(2014) *Mental Health, Religion and Culture*  
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(2005) *Journal of Community and Applied Social Psychology*  
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(2006) *Social Policy and Administration*  
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 Wang, Shou. Princeton University, ProQuest, UMI Dissertations Publishing, 2001. 9995809.  
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 Liao, Li-Kai Connie. University of New Orleans, ProQuest, UMI Dissertations Publishing, 2012. 3525524.

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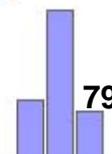
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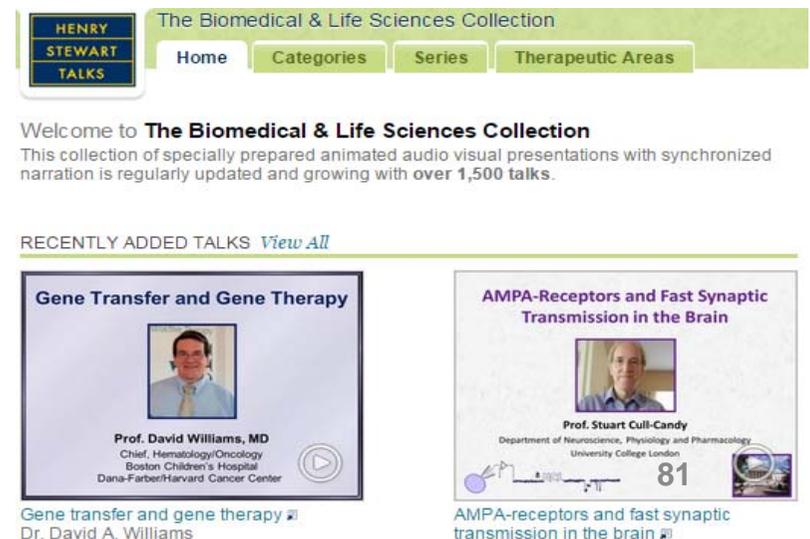
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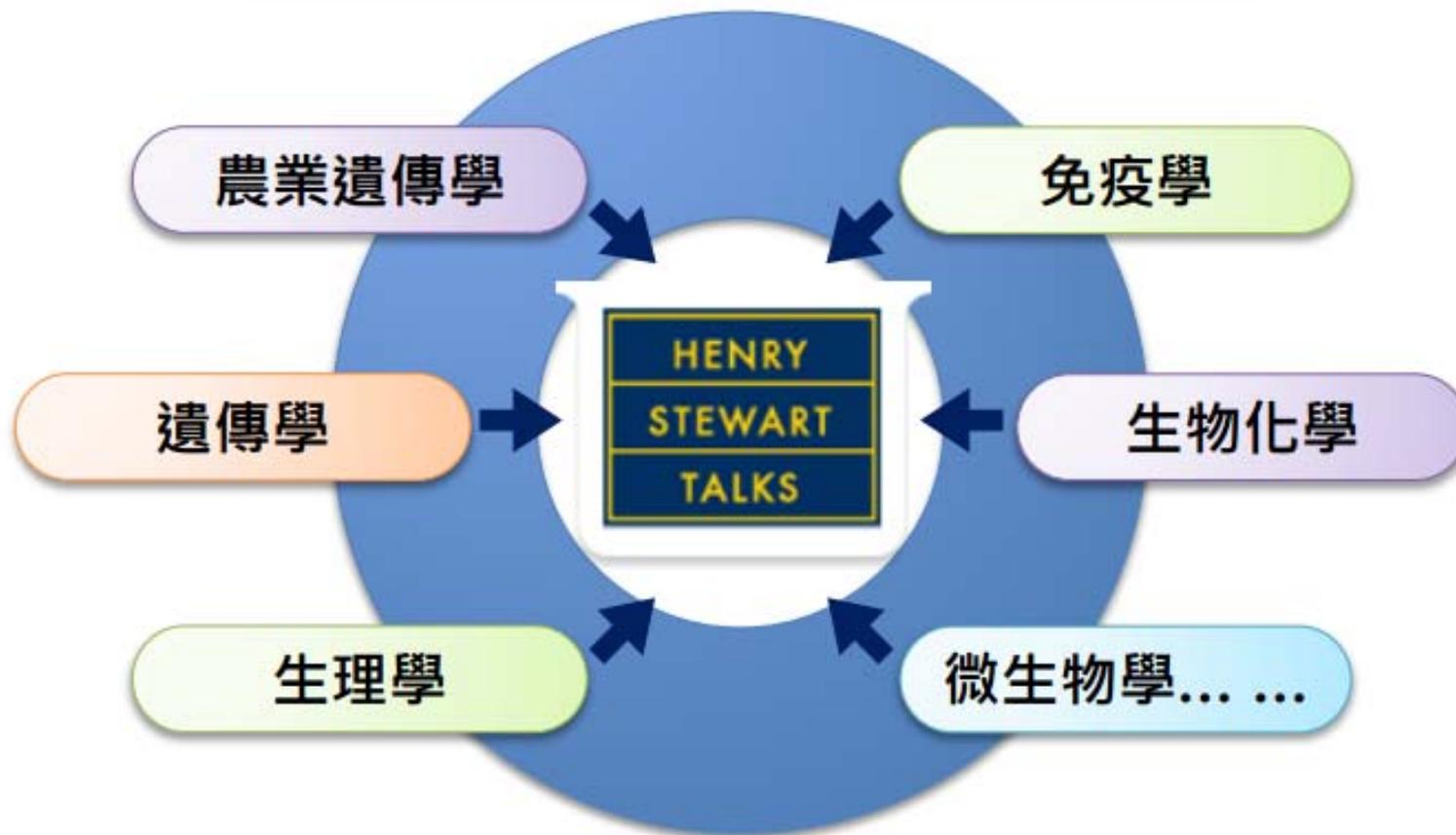
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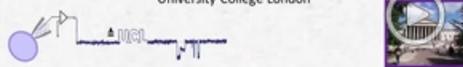


Gene transfer and gene therapy   
Dr. David A. Williams

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**Prof. Stuart Cull-Candy**  
Department of Neuroscience, Physiology and Pharmacology  
University College London



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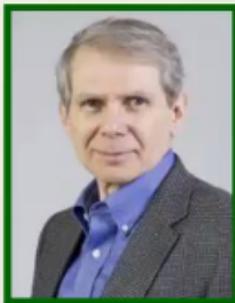
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Prof. Leonard Seymour

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Talk: Teixobactin kills pathogens without detectable resis... (36 min)

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# Teixobactin Kills Pathogens Without Detectable Resistance



**Prof. Kim Lewis**  
 Director, Antimicrobial Discovery Center  
 Department of Biology  
 College of Science  
 Northeastern University  
 Boston, USA

**Northeastern University**  
 Antimicrobial Discovery Center

演說資訊

ABOUT THIS TALK

**Speaker(s)**  
 Prof. Kim Lewis

**Publication Date**  
 April, 2015

**Topics Covered**  
 The high-tech & Waksman platforms... [more](#)

**Series**  
 Topical Talks

講者背景介紹

OTHER TALKS IN THIS SERIES

- VIEW THE TALKS
- 1. Teixobactin kills pathogens without detectable resistance  
 Prof. Kim Lewis
  - 2. Syncope: finding the cause of the drop - part 1 of 2  
 Prof. Brian Olshansky
  - 3. Syncope: finding the cause of the drop - part 2 of 2  
 Prof. Brian Olshansky

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Talk: Teixobactin kills pathogens without detectable resis... (36 min)

Reviving the Waksman platform

**Navigable Slide Index**

1. Introduction
2. Discovery of antimicrobials
3. The high-tech platform
4. Reviving the Waksman platform
5. Uncultured bacteria
6. How to grow unculturables
7. Colonies growth
8. Diffusion chamber vs. Petri dish
9. Trap for capturing actinomycetes
10. iChip
11. iChip placed in soil
12. Efficiency of recovery in iChip vs. Petri dish
13. Diversity in iChip vs. Petri dish
14. From sand to mechanism
15. The sand biofilm
16. Closer look on sand biofilm
17. The basic mechanism of uncultivability
18. Growth factors from neighboring species
19. Siderophore
20. Siderophore specificity in growth induction



The golden age of antibiotic discovery began with systematic testing of soil microbes by Selman Waksman (pictured c

05:46 35:58

Figure above from Nature., 485(7399), Lewis., Antibiotics: Recover the lost art of drug discovery., 439-40, Nature Publishing Group. <http://www.nature.com>

HENRY  
STEWART  
TALKS

Teixobactin Kills Pathogens Without Detectable Resistance  
Kim Lewis

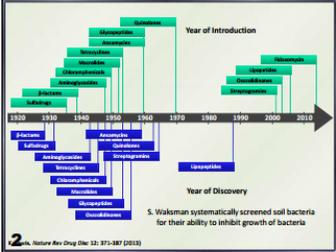
**Teixobactin Kills Pathogens Without Detectable Resistance**



**Prof. Kim Lewis**  
Director, Antimicrobial Discovery Center  
Department of Biology  
College of Science  
Northeastern University  
Boston, USA

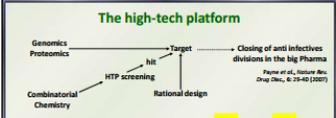
Northeastern University  
Antimicrobial Discovery Center

1



2

**The high-tech platform**



86

# F1000Prime

- 醫學與生物學論文評價和檢索系統
- 由生、醫領域專家學者,挑選醫學及生物學論文,進行評論與推薦。
- 根據專家評分計算出F1000Prime指數與進行排名。
- 分成 Exceptional(3 stars), Very Good (2 stars) or Good (1 star)並與該論文做連結。
- 使用者可在此資料庫先閱讀由專家學者所評論的文獻,再延伸閱讀其他深度及廣度的資料。

The screenshot shows the F1000Prime website interface. At the top, there is a navigation bar with links for FACULTY of 1000, F1000Prime, F1000Research, and F1000Posters. A search bar is present with a dropdown menu for 'Article Recommendations' and an 'Advanced' search option. Below the navigation bar, there are links for 'ARTICLE RECOMMENDATIONS', 'RANKINGS', 'F1000PRIME REPORTS', 'F1000 FACULTY', 'JOURNAL CLUBS', and 'BLOG'. A 'MyF1000 | SIGN IN | REGISTER' section is also visible. The main content area features a promotional message: 'You are **three steps away** from the most effective personalized literature service...'. A quote from Gerald F. Joyce, The Scripps Research Institute, is displayed: 'I enjoy and rely upon the many terrific features of Faculty of 1000, but lately I have begun to worry that my F1000Prime Alerts know me better than I know myself.' Below this, there is a 'TRY IT' section with a text input field for research interests (e.g., 'dna immune bacterial') and a 'NEXT' button. At the bottom, there is a section for 'FACULTY of 1000' which states it is composed of 5,000 Faculty Members and provides a grid of their portraits.

# F1000 Prime 功能鍵操作

The screenshot shows the F1000Prime website interface. At the top, there is a navigation bar with links for FACULTYof1000, F1000Prime, F1000Trials, F1000Research, and F1000Posters. A search bar is located in the top right, with a dropdown menu for 'Article Recommendations' and an 'Advanced' search option. Below the navigation bar, there are several tabs: ARTICLE RECOMMENDATIONS, RANKINGS, F1000PRIME REPORTS, F1000 FACULTY, JOURNAL CLUBS, and BLOG. A 'MyF1000' section includes 'Sign in' and 'SUBSCRIBE' buttons. On the left side, there is a 'BROWSE BY FACULTY' section with a list of disciplines: All, Biology, and Medicine. Below this, there are links to various biological fields such as Anesthesiology & Pain Management, Biochemistry, Bioinformatics & Computational Biology, Biotechnology, Cancer Biology, Cardiovascular Biology, Cardiovascular Disorders, Cell Biology, Chemical Biology, Critical Care & Emergency Medicine, Dermatology, Developmental Biology, Diabetes & Endocrinology, Ecology, Evolutionary Biology, and Gastroenterology & Hepatology. The main content area features a 'Foundations' section with a 'Take the tour' button. Below this is a 'LATEST RECOMMENDATION' section with a featured article about dictyostelium cells. At the bottom, there is a 'TOP RATED ARTICLE THIS WEEK [FREE TO VIEW]' section. A yellow callout box in the center lists six functions in Chinese: 1. 推薦文章 (Recommended articles), 2. 評等 (Rating), 3. F1000Prime 報告 (F1000Prime reports), 4. F1000 師資陣容 (F1000 faculty roster), 5. 關鍵字檢索 (Keyword search), and 6. 進階檢索 (Advanced search). A 'SIGN IN' modal window is open on the right, showing options for Google+, Facebook, and email/password login, along with a 'Remember me' checkbox and a 'Subscribe' button.

1. 推薦文章  
2. 評等  
3. F1000Prime 報告  
4. F1000 師資陣容  
5. 關鍵字檢索  
6. 進階檢索

# 1. 推薦文章

The screenshot shows the F1000Prime website interface. At the top, there are navigation tabs for FACULTY of 1000, F1000Prime, F1000Trials, F1000Research, and F1000Posters. A search bar is located on the right. Below the navigation, there are links for ARTICLE RECOMMENDATIONS, RANKINGS, F1000PRIME REPORTS, F1000 FACULTY, JOURNAL CLUBS, and BLOG. The main content area is titled "Article Recommendations" and includes a sidebar for browsing by faculty (e.g., All, Biology, Medicine, Anesthesiology & Pain Management, etc.). The main area displays a list of recommended articles with sorting options (Sort by: Recommendation date (newest first), All time) and filtering options (Filter by: Select). Annotations in yellow boxes with red arrows point to various features: "瀏覽方式:全部/生物學/醫學" points to the search bar; "按最新文章或最佳評等排序" points to the sort-by dropdown; "選定限定時間" points to the "All time" filter; "選定限定條件之文章" points to the "Filter by" dropdown; "圖示說明:評等/高點閱/改變臨床實例" points to the article list headers (Total Score, Highly accessed, Changes Clinical Practice); "評等" points to the star rating icon; and "評論人" points to the "1 Recommendation" link.

## 2. 評等

FACULTY of 1000 F1000Prime F1000Trials F1000Research F1000Posters Welcome SC

F1000Prime Article Recommendations [v] [q] Advanced

ARTICLE RECOMMENDATIONS | **RANKINGS** | F1000PRIME REPORTS | F1000 FACULTY | JOURNAL CLUBS | BLOG MyF1000 | SIGN OUT | SUBSCRIBE

ARTICLE RANKINGS  
All Time Top 10  
Current Top 10  
All Time Most Viewed  
Current Most Viewed  
Hidden Jewels

**F1000Prime »**  
**Rankings**

評等分為「推薦」 Good ★ 「必讀」 Very Good ★★  
、「極出色」 Exceptional ★★★

When Faculty Members recommend articles, they rate them as 'Good', 'Very Good' or 'Exceptional' (1, 2 or 3 stars, respectively). The total scores for each article are used to create **Top 10** lists in each Faculty (**All Time** and **Current**). To find other top-ranking articles in your specialty, browse and filter by Total Score.

**Hidden Jewels** lists contain the top-ranking articles from more specialized journals that you may have missed in your general reading.

Check the **Most Viewed** articles (**All Time** and **Current**) to see what articles your peers are reading on this site.

Current Top 10 All Time Top 10 Hidden Jewels

**16** ★ **Primary prevention of cardiovascular disease with a Mediterranean diet.**  
Estruch R, Ros E, Salas-Salvadó J, Covas MI ... Sorlí JV, Martínez JA, Martínez-González MA, Martínez-González MA. N Engl J Med. 2013 Apr 4; 368(14):1279-90

*This mammoth work of the Spanish PREDIMED group, with more than 200 investigators co-ordinated by Ramón Estruch at Barcelona and more than 7000 persons enrolled, and which was...*

**7 Recommendations** | Ramon Serrano new 08 Jan 2014 | J David Spence | Eivind Berge | Bo Carlberg and Mattias Brunström | Jerome Fleg | Mikael Fogelholm | Deborah Korenstein

CLINICAL TRIAL: RCT | CONFIRMATION | CONTROVERSIAL | GOOD FOR TEACHING | NEW FINDING

Article reached the top 10% in its Section during a 30 day period.

NEUROPROTECTION  
NEUROREPAIR | 2014

論文評等:  
\*一直是前10名論文  
\*最近前10名論文  
\*一直是最常被點閱的論文  
\*14天內最常被點閱的論文  
\*遺珠之憾:不常被瀏覽但又是值得被評論的重要論文

### 3. F1000Prime報告

FACULTY of 1000 | F1000Prime | F1000Trials | F1000Research | F1000Posters | Welcome SC

F1000Prime | F1000Prime Reports | Advanced

ARTICLE RECOMMENDATIONS | RANKINGS | F1000PRIME REPORTS | F1000 FACULTY | JOURNAL CLUBS | BLOG | MyF1000 | SIGN OUT | SUBSCRIBE

BROWSE BY FACULTY

All | **Biology** | **Medicine**

Anesthesiology & Pain Management

Biochemistry

Biotechnology

Cancer Biology

Cardiovascular Biology

Cardiovascular Disorders

Cell Biology

Chemical Biology

Critical Care & Emergency Medicine

Dermatology

Developmental Biology

Diabetes & Endocrinology

Ecology

Evolutionary Biology

Gastroenterology &

F1000Prime »

F1000Prime REPORTS

ISSN 2051-7599

F1000Prime Reports is an open access journal that provides context on emerging themes in biology and medicine by publishing unique, peer-reviewed reports to provide context on emerging themes in biology and medicine. F1000Prime Section Heads ensure coverage of the latest advances by selecting topics and nominating authors. The journal is indexed and/or abstracted by PubMed, PubMed Central, Scopus, Embase, Global Health and CAB Abstracts.

Prior to March 2013, *F1000Prime Reports* was published as two journals: *F1000 Biology Reports* and *F1000 Medicine Reports*. Articles published under those titles are available via *F1000Prime Reports* and citations and URLs continue to be supported.

Click [here](#) to read the editorial policy.

Per page: 20 | 50 | 100 | 1 - 20 of 537

Neurological Disorders | Neuroscience | Pharmacology & Drug Discovery

Perinatal neuroprotection

Kirsten E. Salmeen, Angie C. Jelin, Mari-Paule Thiet

F1000Prime Reports 2014 6:(6) (02 Jan 2014)

Full text | PDF

8th International Symposium on NEUROPROTECTION NEUROREPAIR | 2014

# 4. F1000 師資陣容...(1)

**F1000Prime** Faculty

**INTERNATIONAL ADVISORY BOARD** 國際顧問委員會

The *International Advisory Board* advises F1000 on broad policy issues and on its development and services. The International Advisory Board also assists with the selection of Heads of Faculty. 32 Faculties that currently make up the F1000Prime service.

<b>Bruce Alberts</b>	<b>J Michael Bishop</b>	<b>Dame Kay Davies</b>
<b>Mary-Claire King</b>	<b>Iain Mattaj</b>	<b>Sir Keith Peters</b>
<b>Arthur H Rubenstein</b>	<b>Gerald Rubin</b>	<b>Alan Schechter</b>

**F1000 FACULTY STRUCTURE**

73 Heads of Faculty → 729 Section Heads → 5,856 Faculty Members

**Faculty Members**

- Bruce Alberts**: Professor, Department of Biochemistry and Biophysics, University of California, San Francisco, CA, USA
- J Michael Bishop**: Professor and Director, The GW Hooper Foundation, University of California, San Francisco, CA, USA
- Dame Kay Davies**: Dr Lee's Professor of Anatomy, Director, MRC Functional Genomics Unit, Associate Head of Division, Physiology Anatomy and Genetics, University of Oxford, UK
- Steven Hyman**: Distinguished Service Professor of Stem Cell and Regenerative Biology and Scholar in Residence at the Broad Institute, Harvard University and MIT, Boston, MA, USA
- Mary-Claire King**: American Cancer Society Professor, University of Washington School of Medicine, Seattle, WA, USA
- Iain Mattaj**: Director General, EMBL, Heidelberg, Germany
- Sir Keith Peters**: Emeritus Regius Professor of Physic, Cambridge University, UK
- Elizabeth Robertson**: Wellcome Trust Principal Research Fellow and Professor of Developmental Biology, Sir William Dunn School of Pathology, University of Oxford, UK
- Arthur H Rubenstein**: Professor of Medicine, University of Pennsylvania School of Medicine, Philadelphia, PA, USA
- Gerald Rubin**: Vice President and Executive Director of Janelia Farm Research Campus, HHMI, Ashburn, VA, USA
- Alan Schechter**: Chief, Molecular Medicine Branch, National Institute of Diabetes and Digestive and Kidney Diseases, NIH, Bethesda, MD, USA
- Hans Wigzell**: Director, Centre of Medical Information, Karolinska Institute, Stockholm, Sweden

# 4. F1000 師資陣容...(2)

FACULTY of 1000
F1000Prime
F1000Trials
F1000Research

F1000Prime

F1000

ARTICLE RECOMMENDATIONS | RANKINGS | F1000PRIME REPORTS | F1000 FA

**BROWSE BY FACULTY**

All | **Biology** | Medicine

**Anesthesiology & Pain Management**

**Biochemistry**

**Bioinformatics & Computational Biology**

**Biotechnology**

**Cancer Biology**

**Cardiovascular Biology**

**Cardiovascular Disorders**

**Cell Biology**

**Chemical Biology**

**Critical Care & Emergency Medicine**

**Dermatology**

**Developmental Biology**

**Diabetes & Endocrinology**

**Ecology**

**Evolutionary Biology**

**Gastroenterology & Hepatology**

**Gastrointestinal Biology**

**Genomics & Genetics**

F1000Prime >

## Faculty

---

INTERNATIONAL ADVISORY BOARD

The International Advisory Board advises F1000 on and services. The International Advisory Board also 32 Faculties that currently make up the F1000Prime

<b>Bruce Alberts</b>	<b>J Michael Bishop</b>
<b>Mary-Claire King</b>	<b>Iain Mattaj</b>
<b>Arthur H Rubenstein</b>	<b>Gerald Rubin</b>

---

F1000 FACULTY STRUCTURE

73

Heads of Faculty

→

729

Section Heads

Heads of Faculty are world-renowned scientists and left-hand column. Heads of Faculty divide their subject the nomination of Section Heads for each subject area

<p><b>Anesthesiology &amp; Pain Management</b> Mervyn Maze, Ronald Miller</p>	<p><b>Hematology</b> Edward Benz, Eliane Gluckman</p>	<p><b>Physiology</b> Allen Cowley, Bruce S McEwen, Denis Noble</p>
<p><b>Cardiovascular Disorders</b> Frans Van de Werf, Jeffrey L Anderson</p>	<p><b>Immunology</b> Douglas Fearon, Frederick Alt, Philippa Marrack</p>	<p><b>Plant Biology</b> Elliot Meyerowitz, Joanne Chory</p>
<p><b>Cell Biology</b> Alan Hall, Gary Borisy, Randy Schekman, Steven McKnight</p>	<p><b>Infectious Diseases</b> Mervyn Shapiro, Nick White, Robert Gallo</p>	<p><b>Psychiatry</b> Judith Rapoport, Julien Mendlewicz</p>
<p><b>Chemical Biology</b> Gerald Joyce, Jon Clardy, Stuart Schreiber</p>	<p><b>Microbiology</b> Julian E Davies, Philippe Sansonetti</p>	<p><b>Public Health &amp; Epidemiology</b> Barry Bloom, Sir Michael Marmot</p>
<p><b>Critical Care &amp; Emergency Medicine</b> Jean-Louis Vincent, Jesse Hall</p>	<p><b>Nephrology</b> Hamid Rabb, Norbert Lameire</p>	<p><b>Research Methodology</b> Paul Glasziou</p>
<p><b>Dermatology</b> Georg Stingl, Stephen Katz</p>	<p><b>Neurological Disorders</b> Guy McKhann, Richard Frackowiak</p>	<p><b>Respiratory Disorders</b> James Crapo, Peter Barnes</p>
<p><b>Developmental Biology</b> Judith Kimble, Phillip Ingham, Richard Harland</p>	<p><b>Neuroscience</b> Carla J Shatz, Charles Stevens, Martin C Raff, William T Newsome</p>	<p><b>Rheumatology &amp; Clinical Immunology</b> Peter Lipsky, Sir Ravinder Maini</p>
<p><b>Diabetes &amp; Endocrinology</b> Paul Davis, Willis Samson</p>	<p><b>Oncology</b> Bob Pinedo, George Canellos</p>	<p><b>Structural Biology</b> Wei Yang, William Weis</p>
<p><b>Ecology</b> Harold Mooney, Ilkka Hanski</p>	<p><b>Ophthalmology</b> Andrew Lee, Dimitri Azar</p>	<p><b>Systemic Health</b> David Neal, Peter Scaramo</p>
<p><b>Gastroenterology &amp; Hepatology</b> Mario Strazzabosco, Michael Farthing</p>	<p><b>Otolaryngology</b> Charles Cummings, Bradley</p>	<p><b>Women's Health</b> Lesley Regan, Linda Giudice</p>
<p><b>Genomics &amp; Genetics</b> Robert Waterston, Rudolf Jaenisch</p>	<p><b>Pharmacology &amp; Drug Discovery</b> Floyd Bloom, Leslie Iversen, Paul Insel</p>	

由國際顧問委員提名  
最頂尖的科學家和臨  
床醫生擔任。

# 5.關鍵字檢索

The screenshot shows the F1000Prime search interface. At the top, there are navigation links for FACULTY of 1000, F1000Prime, F1000Trials, F1000Research, and F1000Posters. The search bar contains 'Systemic Lupus Erythematosus' and is set to 'Article Recommendations'. The search results page displays '387 results in Article Recommendations'. The first article recommendation is highlighted with a red box and a yellow arrow pointing to it.

**23** **Plasmacytoid dendritic cells sense self-DNA coupled with antimicrobial peptide.**  
Lande R, Gregorio J, Facchinetti V, Chatterjee B, Wang YH, Homey B, Cao W, Wang YH, Su B, Nestle FO, Zal T, Mellman I, Schröder JM, Liu YJ, Gilliet M. *Nature*. 2007 Oct 4; 449(7162):564-9  
**9 Recommendations** | Michael Schoen 11 Feb 2008 | Satish Keshav | Anuradha Ray | Philippe Pierre | Brendan Lee | Jenny Ting | Neal Silverman | Stefan Martin | Charles Bevins  
CONTROVERSIAL | INTERESTING HYPOTHESIS | NEW FINDING | NOVEL DRUG TARGET  
such as **systemic lupus erythematosus** (SLE). The strength of this exceptional study is the combination of the expertise of researchers ...

**21** **Sex differences in the gut microbiome drive hormone-dependent regulation of autoimmunity.**  
Markle JGM, Frank DN, Mortin-Toth S, Robertson CE, Feazel LM, Rolle-Kampczyk U, von Bergen M, McCoy KD, Macpherson AJ, Danska JS. *Science*. 2013 Mar 1; 339(6123):1084-8

## 6.進階檢索

The screenshot displays the F1000Prime website interface. At the top, navigation tabs include FACULTY of 1000, F1000Prime, F1000Trials, F1000Research, and F1000Posters. The main header features the F1000Prime logo and a search bar with 'Article Recommendations' selected. A navigation menu below the header lists 'ARTICLE RECOMMENDATIONS', 'RANKINGS', 'F1000PRIME REPORTS', 'F1000 FACULTY', 'JOURNAL CLUBS', and 'BLOGS'. On the left, a sidebar shows 'ALL SEARCH RESULTS' with a list of categories: 'All F1000Prime' (31), 'Article Recommendation' (2), 'F1000Prime Reports' (10), 'Faculty' (19), and 'Blog' (0). The main content area is titled 'MyF1000 » Systemic Lupus Erythematosus' and 'SEARCH RESULTS'. It shows 'Article Recommendations' with 2 results. A red box highlights the 'Article Recommendation' category in the sidebar and the 'Advanced Search' panel on the right. The 'Advanced Search' panel includes filters for 'Filter by: Article Recommendations', 'Search in: All fields', 'Article publication date', 'Recommended in the past: All time', 'Faculty/ies: Immunology', and 'Total score (stars): 21+'. The search results list includes a top result with a score of 23: 'Plasmacytoid dendritic cells sense self-DNA coupled with antimicrobial peptide.' by Lande R, Gregorio J, Facchinetti V, Chatterjee B, Wang YH, Homey B, Cao W, Wang YH, Su B, Nestle FO, Zal T, Mellman I, Schröder JM, Liu YJ, Gilliet M. Nature. 2007 Oct 4; 449(7162):564-9. This result has 9 recommendations and is labeled as 'CONTROVERSIAL | INTERESTING HYPOTHESIS | NEW FINDING | NOVEL DRUG TARGET'. A second result with a score of 21 is 'Sex differences in the gut microbiome drive hormone-dependent modulation of autoimmunity'.



F1000Prime » Search results »

15



## Regeneration and experimental orthotopic transplantation of a bioengineered kidney.

Song JJ, Guyette JP, Gilpin SE, Gonzalez G, Vacanti JP, Ott HC  
Nat Med. 2013 May; 19(5):646-51

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INTERESTING ARTICLE? GET MORE LIKE IT SMARTSEARCH

RECOMMENDATIONS 5 | ABSTRACT | COMMENTS

expand all

★★★ Exceptional

30 Apr 2013



**FM** Andreas Schedl  
F1000 Nephrology  
University of Nice, Nice, France.

**F** FOLLOW

### TECHNICAL ADVANCE

DOI: 10.3410/f.718000220.793475251

In this exciting article, the authors describe a novel approach to bioengineering functional kidneys by first stripping cadaveric organs of all cells using detergents, followed by repopulating the obtained scaffold with endothelial and renal cells. With its more than 20 different cell types, and its highly...

[more »](#)

★★★ Exceptional

16 May 2013



**FM** Masaomi Nangaku  
F1000 Nephrology  
University of Tokyo School of  
Medicine, Bunkyo-ku, Tokyo, Japan.

**F** FOLLOW

### INTERESTING HYPOTHESIS | NEW FINDING | TECHNICAL ADVANCE

DOI: 10.3410/f.718000220.793475972

The authors of this paper present an outstanding methodology. This study opens a new avenue for a novel aspect of bioengineering in a field that is strongly focusing on developmental biology.

### RELATED ARTICLES

Recommended PubMed

- 1 Regeneration and orthotopic transplantation of a bioartificial...
- 2 Functional salivary gland regeneration by transplantation of a...
- 3 Belatacept for kidney transplant recipients.
- 4 Outcomes of kidney transplantation in HIV-infected recipients.

### Relevant Sections

#### Physiology

» Renal, Fluid &amp; Electrolyte Physiology

#### Developmental Biology

» Pattern Formation

» Stem Cells &amp; Regeneration

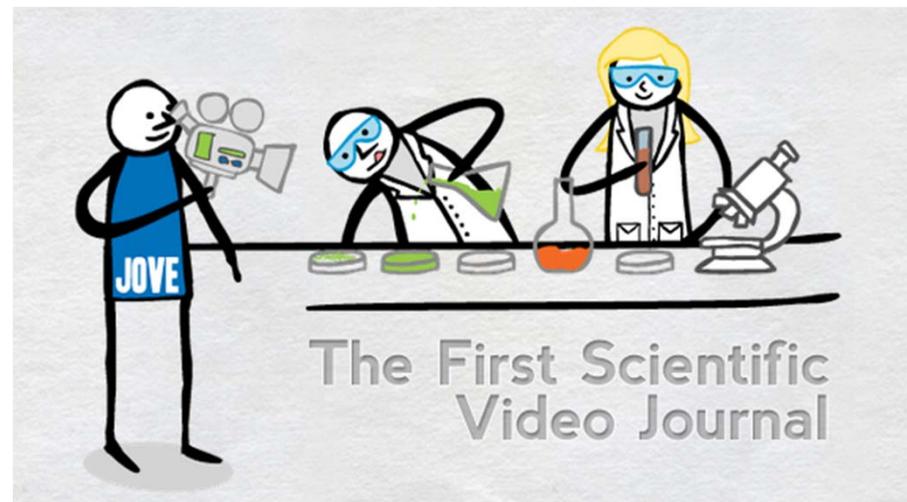
#### Nephrology

» Dialysis &amp; Renal Transplantation

» Renal Function &amp; Transport Physiology

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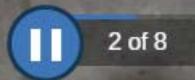


有助於--

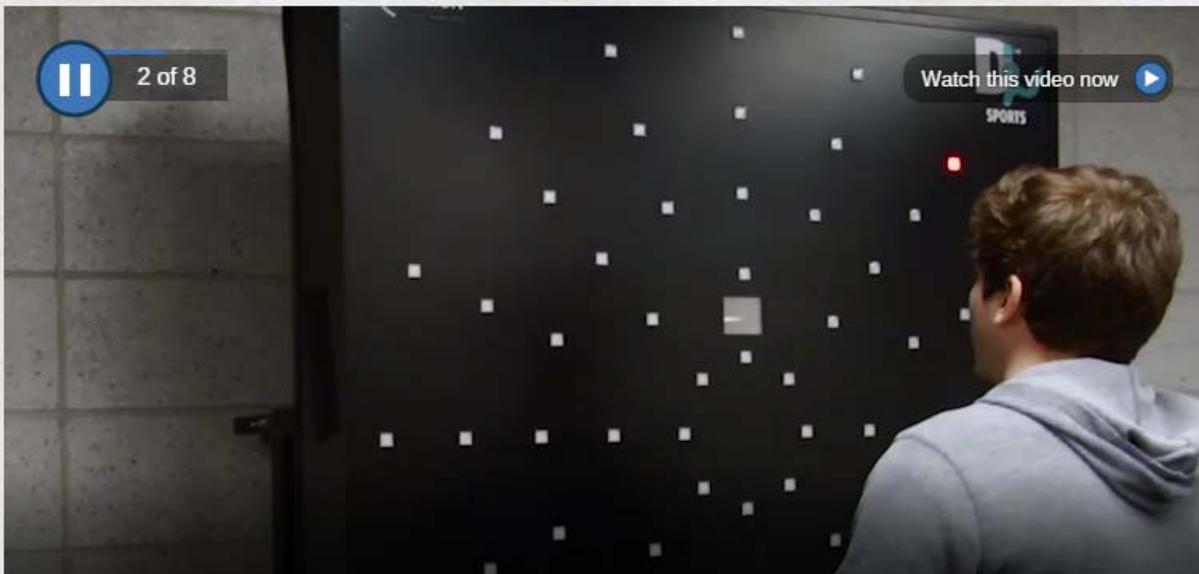
- 有效率的知識傳播形式，影片將實驗過程透明化，且可重複觀看，節省時間、空間、資源上的成本。
- 影片紀錄的內容更詳盡，比起單純的文字、圖表形式，更能將複雜且多面向的實驗過程記錄下來。

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# Vision Training Methods for Sports Concussion Mitigation and Management

Joseph F. Clark<sup>1</sup>, Angelo Colosimo<sup>2</sup>, James K. Ellis<sup>3</sup>, Robert Mangine<sup>3</sup>, Benjamin Bixenmann<sup>4</sup>, Kimberly Hasselfeld<sup>2</sup>, Patricia Graman<sup>5</sup>, Hagar Elgendy<sup>2</sup>, Gregory Myer<sup>6</sup>, Jon Divine<sup>2</sup>

<sup>1</sup>Neurology and Rehabilitative Medicine, University of Cincinnati, <sup>2</sup>Division of Sports Medicine, Department of Orthopaedic Surgery, University of Cincinnati, <sup>3</sup>Department of Athletics, University of Cincinnati, <sup>4</sup>Department of Neurosurgery, University of Cincinnati, <sup>5</sup>College of Education, Criminal Justice, and Human Services, University of Cincinnati, <sup>6</sup>Division of Sports Medicine, Cincinnati Children's Hospital Medical Center

## JoVE Sections

- A** All
- B** Biology
- N** Neuroscience
- i<sup>2</sup>** Immunology & Infection
- M** Medicine
- BE** Bioengineering
- ENG** Engineering
- C** Chemistry
- E** Environment
- Bh** Behavior
- DB** Developmental Biology

Neurovascular Protection...  
Published 5/04/2015

**M** Minimal Invasive Surgical Procedure of Inducing...  
Published 5/04/2015

**B** Measurement of Extracellular Ion Fluxes Using the ...  
Published 5/02/2015

### JoVE Sections

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# Alginate Hydrogels for Three-Dimensional Organ Culture of Ovaries and Oviducts

Shelby M. King<sup>1</sup>, Suzanne Quartuccio<sup>1</sup>, Tyvette S. Hilliard<sup>1</sup>, Kari Inoue<sup>1</sup>, Joanna E. Burdette<sup>1</sup>

<sup>1</sup>Medicinal Chemistry and Pharmacognosy, University of Illinois at Chicago

\* These authors contributed equally

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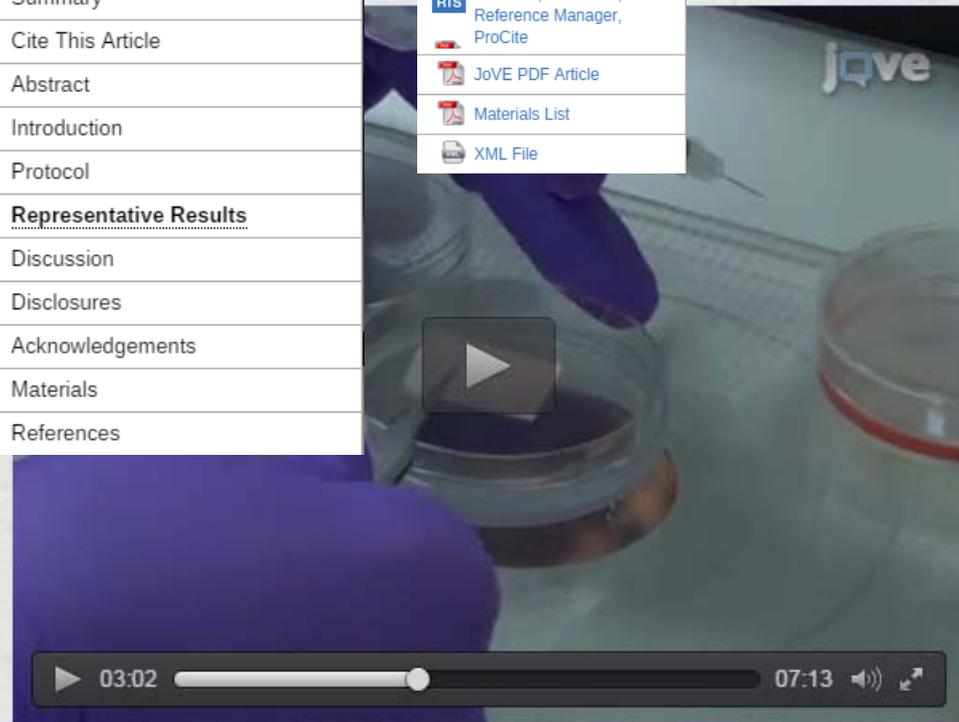
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- 0:05 Title
- 1:43 Ovarian Dissection and Tissue Isolation
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- 4:46 Application of the 3D Ovarian Organ Culture System
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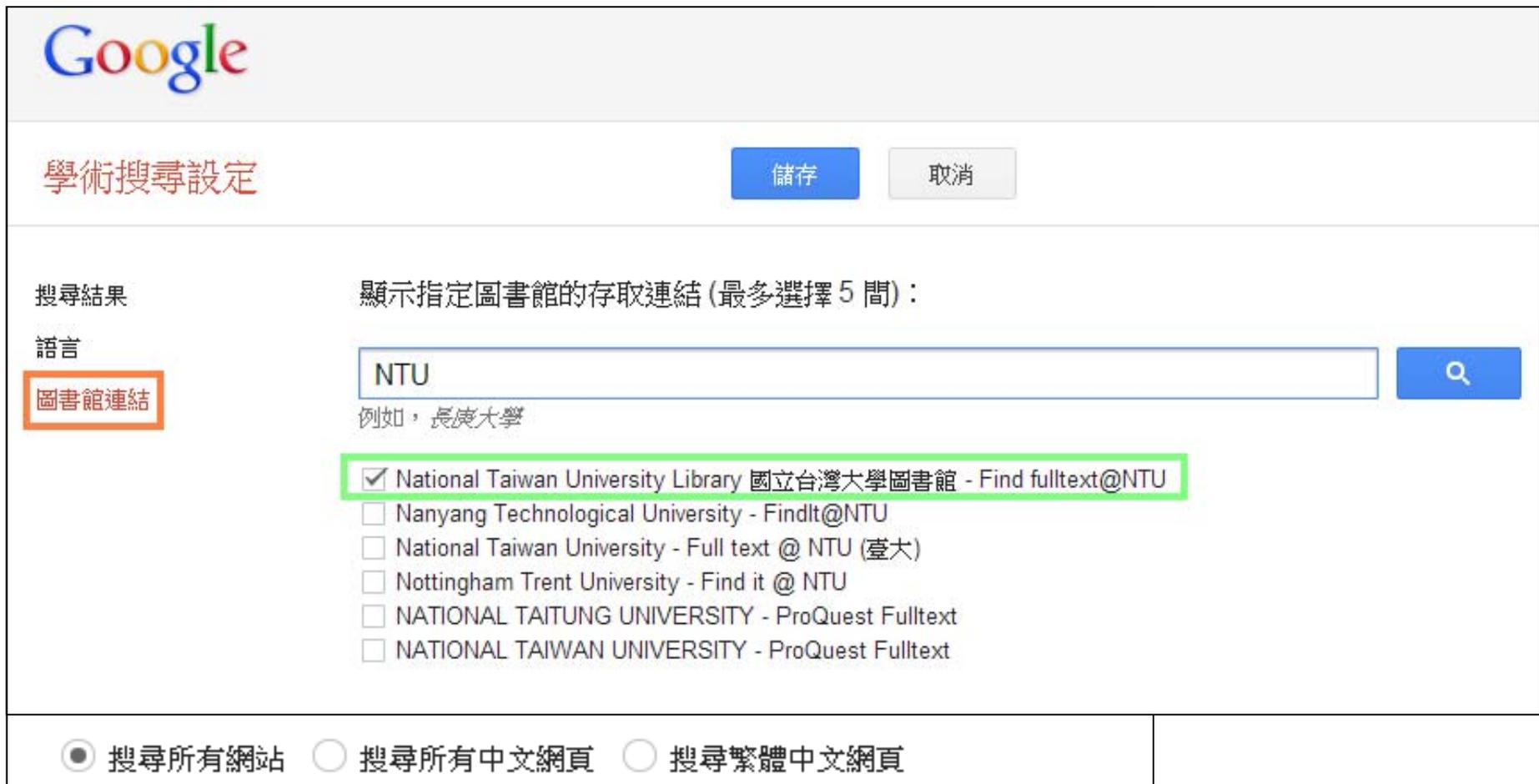
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A biosensor that monitors

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2014 以後

**A biosensor that monitors cell morphology with electrical fields**  
CR Keese, I Giaever - ... in Medicine and Biology Magazine, IEEE, 1994 - ieexplore.ieee.org  
lthough many biosensors are designed to be highly specific for a particular analyte, there is interest in designing sensors that can respond to a wide variety of chemical and physical stimuli in an integrated fashion. A famous case of this before the advent of biotechnology ...  
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**題名:** A biosensor that monitors cell morphology with electrical fields

**來源:** IEEE Engineering in Medicine and Biology Magazine [0739-5175] Keese, C R 年:1994 卷:13 期:3 頁:402 -408

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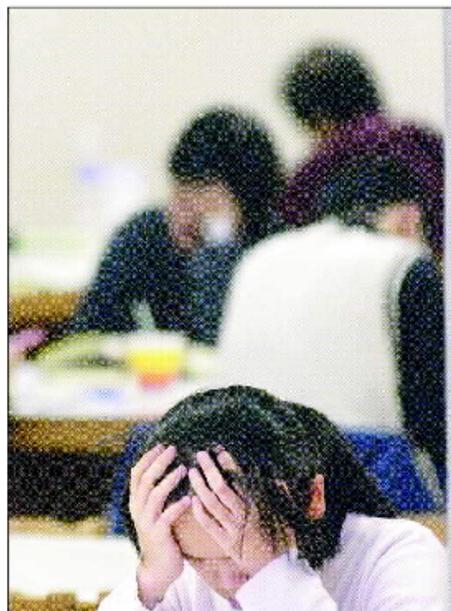
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# 論文抄襲

## 論文抄別人 博士碩士都沒了

智財權法院鑑定 碩士論文抄了32處 被抓包還稱這事不稀奇 請原著有智慧放手 別弄得頭破血流...



【記者饒慧安／台北縣報導】政大歷史研究所博士生張孟珠前年四月上網查資料，發現她的碩士論文遭林姓女博士生抄襲，因而提告，智慧財產權法院法官找中研院法律研究所專家鑑定，認定林女論文卅二處抄襲，林女因被撤銷碩士學位，和博士班入學資格。

反告，反而稱類似事件在學術界很多，並不稀奇，學術之路漫漫，希望她能有「智慧」放手，無須為此事弄得「頭破血流」。她感到訝異，並認為林女若不更正及道歉，澄清是非，日後她的這篇專文及母校表揚抄襲白林女，因此才提告。

智慧財產權法院法官依發現中研院林姓女助理的違反著作權法，判林女須賠償張女廿二萬元，並在報載全國版下半版刊登對張女的扶擲，有多處抄襲她的碩士論文，且林女將論文改寫成單篇專文「賦性宜從：傳統運動適委之節讓」，刊登在東吳大學學史研究所完成之碩士論文「清代自節的實踐及其因境」，論說貞節的實踐有一階級性。

張孟珠是中研院歷史研究所博士生，她八年前在中正大學歷史研究所完成之碩士論文「清代自節的實踐及其因境」，論說貞節的實踐有一階級性。她更在四月上網查資料，在國家圖書館網站上竟

發現中研院林姓女助理的碩士論文一情慾與社會秩序：從阿科里本右傳代師女的扶擲」，有多處抄襲她的碩士論文，且林女將論文改寫成單篇專文「賦性宜從：傳統運動適委之節讓」，刊登在東吳大學學史研究所完成之碩士論文「清代自節的實踐及其因境」，論說貞節的實踐有一階級性。她更在四月上網查資料，在國家圖書館網站上竟

### 文獻回顧 最常出現抄人

「記者李威儀、李承宇、張錦弘／台北報導」東吳大學昨天證實，中研院林姓研究助理已遭吳東吳撤銷碩士學位，教育部高教司副司長楊士惠說，取消碩士學位後，依法她的碩士生資格也將遭撤銷取消，等於只算大學畢業。

中研院發言人羅義雄也表示，中研院一口咬定該助理因抄襲論文被取消碩士學位，等於失去了助理資格，按往例也會予以解聘。

方也要求論文指導教授吳東吳撤銷其碩士學位。東吳主秘黃顯傑說，根據校方調查委員會的審查結果，涉及抄襲學位部分，是兩人論文都引述同一位國外學者的文句，但張孟珠在引用時有註明已屬兩人論文，發現不少地方，而林女則直接引用張女輔導的論文，卻沒註明出處，被認定是抄襲；除此以外，兩篇論文內容其實並不相同，不過依後規章，一無端抄多處，都是以致銷學位處分。一

東吳副校長林錦川表示，去年校方接獲檢舉，立即組成調查委員會處理本案，除了請林姓助理出面說明，並將兩篇論文交請校內外專家進行審查

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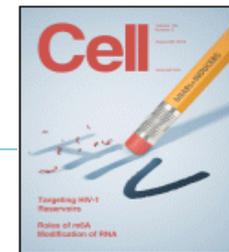
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## References

1. Moorhead JF, Chan MK, El-Nahas M, Varghese Z (1982) Lipid nephrotoxicity in chronic progressive glomerular and tubulo-interstitial disease. *Lancet* 2: 1309–1311. doi: 10.1016/s0140-6736(82)91513-6  
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2. Jandeleit-Dahm K, Cao Z, Cox AJ, Kelly DJ, Gilbert RE, et al.. (1999) Role of hyperlipidemia in p  
Suppl 71: S31–36.

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- ◆ **諮詢地點** | 總圖書館3樓溫馨諮詢小間。
- ◆ **諮詢範圍** | 如何查詢圖書館資源、怎麼運用圖書館電子資料庫、如何更有技巧地蒐集文獻、EndNote書目管理軟體使用上的疑惑及學術評比相關問題。
- ◆ **諮詢時段** | 週一至週五, 9:00-17:00, 每次一小時。
- ◆ **預約方式** | 請於一週前提出預約申請。
- ◆ **連絡方式** | E-mail:tu@ntu.edu.tw; 電話: (02)3366-2326

線上預約

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