



UNIVERSITY of PRINCE EDWARD ISLAND

*people • excellence • impact*

# IslandScholar 2.0

Mark Leggott

Robertson Library

October 24, 2012

## Science on trial

Italy has jailed experts over the L'Aquila earthquake but can people be held responsible for natural disasters?



Search

**BREAKING NEWS** LIVE NOW: Third-party candidates hold US presidential debate in Chicago...



### Sarah Kendzior

Sarah Kendzior is an anthropologist who recently received her PhD from Washington University in St Louis.

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RSS

## Academic paywalls mean publish and perish

Academic publishing is structured on exclusivity, and to read them people must shell out an average of \$19 per article.

Last Modified: 02 Oct 2012 07:45

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### US Elections 2012

Comprehensive coverage of the presidential campaigns in the run-up to the November 6 vote.



WATCH ALJAZEERA LIVE STREAM

LittleSnapper



# Background

- IslandScholar 1.0 launched Dec 2008
- Introduced Open Access (OA) to campus
  - started with 4,000+ citations
  - effort to add more citations and PDF's
  - helped promote OA across schools/faculties
  - facilitated discussion of OA policy
- Islandora software has evolved over 4 years



# Open Access

“free, immediate, permanent, full-text, online access, for any user, web-wide, to digital scientific and scholarly material, primarily research articles published in peer-reviewed journals”

Wikipedia:Open Access



# Open Access Database

- Collection of the scholarly output of an institution, typically with OA fulltext copy
- Also known as an Institutional Repository or IR - over 3,000 IRs globally
- Widely accepted as a key part of the scholarly publishing landscape
- Indexed and tracked in Google Scholar as well as other article databases



# Open Impact

- In health research, OA and “Top Impact” Closed articles have similar citation levels \*
- In astrophysics, articles with links to research data had 50% more citations \*
- In physics, strength of the relation between Impact Factor and citations is decreasing \*
- Accesses ↑ is as important as citations \*
- Estimates put OA deposit at 30%

<http://opcit.eprints.org/oacitation-biblio.html>





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[A randomized comparison of coronary-stent placement and balloon angioplasty in the treatment of coronary artery disease](#)

..., D Almond, PS Teirstein, RD Fish... - ... England Journal of ..., 1994 - Mass Medical Soc

Background Coronary-stent placement is a new technique in which a balloon-expandable, stainless-steel, slotted tube is implanted at the site of a coronary stenosis. The purpose of this study was to compare the effects of stent placement and standard balloon angioplasty ...

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## All versions

[A randomized comparison of coronary-stent placement and balloon angioplasty in the treatment of coronary artery disease](#)[Check@UPEI](#)

DL Fischman, MB Leon, DS Baim... - ... England Journal of ..., 1994 - Mass Medical Soc

Background Coronary-stent placement is a new technique in which a balloon-expandable, stainless-steel, slotted tube is implanted at the site of a coronary stenosis. The purpose of this study was to compare the effects of stent placement and standard balloon angioplasty ...

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[A randomized comparison of coronary-stent placement and balloon angioplasty in the treatment of coronary artery disease](#)[Check@UPEI](#)

DL FISCHMAN, MB LEON, DS BAIM... - The New England ..., 1994 - cat.inist.fr

Background. Coronary-stent placement is a new technique in which a balloon-expandable, stainless-steel, slotted tube is implanted at the site of a coronary stenosis. The purpose of this study was to compare the effects of stent placement and standard balloon angioplasty ...

[Cite](#)

[A randomized comparison of coronary-stent placement and balloon angioplasty in the treatment of coronary artery disease. Stent Restenosis Study Investigators.](#)[Check@UPEI](#)

DL Fischman, MB Leon, DS Baim... - The New England ..., 1994 - ncbi.nlm.nih.gov

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DL Fischman, MB Leon, DS Baim, RA Schatz... - The New England ..., 1994 - ukpmc.ac.uk

BACKGROUND: Coronary-stent placement is a new technique in which a balloon-expandable, stainless-steel, slotted tube is implanted at the site of a coronary stenosis. The purpose of this study was to compare the effects of stent placement and standard balloon ...



## **A randomized comparison of coronary-stent placement and balloon angioplasty in the treatment of coronary artery disease. Stent Restenosis Study Investigators.**

(PMID:8041414)

[Abstract](#) | 
 [Citations](#) | 
 [BioEntities](#) | 
 [Related Articles](#)

Fischman DL, Leon MB, Baim DS, Schatz RA, Savage MP, Penn I, Detre K, Veltri L, Ricci D, Nobuyoshi M

Jefferson Medical College, Philadelphia, Division of Cardiology, PA 19107.

The New England Journal of Medicine [1994, 331(8):496-501]

**Type:** Clinical Trial, Journal Article, Randomized Controlled Trial, Research Support, Non-U.S. Gov't, Comparative Study

**DOI:** [10.1056/NEJM199408253310802](#)

### Abstract

### Highlight Terms

[Gene Ontology\(1\)](#)
 [Diseases\(4\)](#)
 [Chemicals\(1\)](#)

**BACKGROUND:** Coronary-stent placement is a new technique in which a balloon-expandable, stainless-steel, slotted tube is implanted at the site of a coronary stenosis. The purpose of this study was to compare the effects of stent placement and standard balloon angioplasty on angiographically detected restenosis and clinical outcomes.

**METHODS:** We randomly assigned 410 patients with symptomatic coronary disease to elective placement of a Palmaz-Schatz stent or to standard balloon angioplasty. Coronary angiography was performed at base line, immediately after the procedure, and six months later.

**RESULTS:** The patients who underwent stenting had a higher rate of procedural success than those who underwent standard balloon angioplasty (96.1 percent vs. 89.6 percent,  $P = 0.011$ ), a larger immediate increase in the diameter of the lumen (1.72 +/- 0.46 vs. 1.23 +/- 0.48 mm,  $P < 0.001$ ), and a larger luminal diameter immediately after the procedure (2.49 +/- 0.43 vs. 1.99 +/- 0.47 mm,  $P < 0.001$ ). At six months, the patients with stented lesions continued to have a larger luminal diameter (1.74 +/-

### Formats

**Abstract**

Full Text [↗](#)

PDF

Export citation (RIS) [↗](#)

Email citation

### Search by Subject

[Angioplasty, Balloon, Coronary](#)  
[Coronary Disease](#)  
[Female](#)  
[Follow-Up Studies](#)  
[Humans](#)  
[Male](#)  
[Middle Aged](#)  
[Prospective Studies](#)  
[Recurrence](#)  
[Stents](#)  
[Thrombolytic Therapy](#)  
[Treatment Outcome](#)  
[Vascular Patency](#)



# Mandates and Policies

- Over 20 international agencies have OA deposit mandates, often 6-12 months after
- NSF and NIH mandate, including for NSF requirement for a data management plan
- CIHR has a mandate, SSHRC has signed Berlin declaration and will have mandate
- UPEI OA Policy encourages deposit of articles in IslandScholar and data in a VRE



# CIHR

- *ensure that all research papers generated from CIHR funded projects are freely accessible through the Publisher's website or an online repository within six months of publication;*
- *deposit bioinformatics, atomic, and molecular coordinate data into the appropriate public database (e.g. gene sequences deposited in GenBank) immediately upon publication of research results;*
- *retain original data sets for a minimum of five years (or longer if other policies apply)*



<b>University of Prince Edward Island</b>	<b>Policy No:</b>	<b>Revision No: 0</b>
<b>Policy Title:</b> Open Access & Dissemination of Research Output		<b>Page:</b> 1 of 4
<b>Creation Date:</b> 10 February 2012	<b>Version Date:</b> 10 February 2012	<b>Review Date:</b> 2014
<b>Authority:</b> Senate	<b>Responsibility:</b> Research Advisory Committee	<b>WWW Access:</b>

## 1. Purpose

- 1.1 To facilitate preservation of and access to UPEI's scholarly output and research.



# Info at UPEI

- UPEI has access to ~ 25,000 journal titles, ceased and current
- Easy accessible via individual databases, OneSearch, Google Scholar and more
- Access to a lot of research within seconds is the norm, within days guaranteed
- Delivery of digital ILL/in-house articles
- Library looking at providing Impact service





HUMANISTS:

Get more from your  
research. *Share it.*



[createchange.org](http://createchange.org)

“ Putting our work in an institutional repository has the advantage of getting us priority on search engines. It makes our work more accessible and therefore it potentially has more impact. ”

Dr. Linda Hutcheon  
*Professor of English  
University of Toronto*



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# Challenges

- Most people have limited access to the scholarly literature
- Publishers come and go and the record can disappear with them, or be harder to find
- Library collection costs  $\uparrow$  5-10%/year
- Considered inappropriate to hand out copies of your own article in class
- Most faculty give up their copyright



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Get more from your  
research. *Share it.*



“ The nature of the scientific enterprise is founded on free and open communication of results. To reach a broad audience of other scientists may require new techniques of communication.”

Dr. David Morrison  
*Professor of Mathematics*  
*UC Santa Barbara*

[createchange.org](http://createchange.org)



# Opportunities

- Encourage OA deposit in IslandScholar as outlined in the *Open Access & Dissemination of Research Output* policy
- Encourage OA in promotion and tenure
- Collaborate on publication of OA journals
- Promote open sharing of research data
- Educate on positive effect on impact factor



SOCIAL SCIENTISTS:  
Get more from your  
research. *Share it.*



[createchange.org](http://createchange.org)

“ There is a revolution because of open access. It allows for much quicker communication and more communication internationally. It will change the way people learn and do things. ”

Dr. Carolyn Kenny  
*Professor of Human Development  
Antioch University*



# Next Steps

- Send Library a complete list of publications so we can ensure accuracy
- Ensure that you deposit the best version (e.g. postprint or publisher copy) in the IslandScholar database
- Ensure that you attach the SPARC Author Addendum to future article submissions



BIOLOGISTS:

Get more from your  
research. *Share it.*



“ To maximize  
scientific progress, it's  
critical that everyone  
has full access rather  
than be handcuffed with  
barriers to information.  
The more eyes looking  
at the data, the more we  
will learn. ”

Dr. Gary Ward  
*Professor of Microbiology  
University of Vermont*

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# Where Are We Going?

- Open Data
  - Making research “re-useful”
  - Enabling 1-click access to raw data
- Open Research
  - “research, conducted in the spirit of free and open source software... to make clear accounts of the methodology, along with data and results extracted therefrom, freely available [permitting] a massively distributed collaboration”





# Open science is a research accelerator

Michael Woelfle, Piero Olliaro & Matthew H. Todd

[Affiliations](#) | [Corresponding author](#)

*Nature Chemistry* **3**, 745–748 (2011) | doi:[10.1038/nchem.1149](https://doi.org/10.1038/nchem.1149)

Published online 23 September 2011



PDF



Citation



Reprints



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An open-source approach to the problem of producing an off-patent drug in enantiopure form serves as an example of how academic and industrial researchers can join forces to make new scientific discoveries that could have a huge impact on human health.

**Subject terms:** [Medicinal chemistry](#) · [Organic chemistry](#) · [Synthesis](#)

When we are faced with a challenging scientific problem we cannot solve, what do we do? Many of us would go to see our colleagues and ask for their advice. Our professional network is valuable. It

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Duke University



# IslandScholar 2.0



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# Commitment

- Robertson Library is committed to maintaining the system and providing enhancements to ensure functionality and access/preservation to record
- Library staff facilitate addition of citations and content, will also provide admin access to others as needed
- Support for international open standards



# Features

- 8,300+ citations for faculty/staff/students
- Rich metadata for all types of output
- PDF (+PDF/A), supplementary material, embargoes, download metrics
- Support for authoritative “scholar” record
- RSS feeds, site integration for scholars
- Citation style/RIS export, MyList
- Refworks XML ingest, responsive design





- Scholars
- Departments
- Faculty/Staff Works
- MBA Signature Projects
- Theses Collection
- Publish @ UPEI



Celebrating the Launch  
IslandScholar v2 and Open Access Week

View Citations

IslandScholar (IS) is the institutional database for scholarly publications by the UPEI community. It is a project of the UPEI Robertson Library and supports the goals of the University's [Research Strategic Plan](#) and the [Senate Open Access policy](#).

IslandScholar is part of the [Virtual Research Environment](#) project and uses the [Islandora](#) software developed at the Robertson Library.

### At a Glance

#### Recently added items

- First record of *Martellia* sp. in mussels *Mytilus galloprovincialis* in Croatia
- Differences in metabolic response to *Loma salmonae* infection in juvenile rainbow trout *Oncorhynchus mykiss* and brook trout *Salvelinus fontinalis*
- First report on histology and ultrastructure of an intrahemocytic neoplasia (IPB) from turbot, *Heterostichus rostratus* in Korea

### From the Collection

#### Browse Faculty Publications

A collection of citations and fulltext material capturing the scholarly output of UPEI Faculty and Staff.

#### Browse MBA Signature Projects



# Upcoming Features

- RSS, site integration for Faculties, Schools, Departments and Institutes
- Portable scholar record (e.g. VIVO)
- Add via DOI, PMID, Zotero, bookmarklet
- Links to VRE-deposited data
- Integration of full IslandScholar system with individual VREs
- Integration with Impact Factor tools





# Good Resources

- [createchange.org](http://createchange.org) (testimonials)
- OpCit Project (research on OA)
- SPARC Canadian Authors Addendum
- Open Access Scholarly Information Sourcebook
- CAUT Intellectual Property Advisory



# Questions?



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