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?

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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.

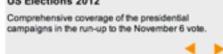


Academic paywalls mean publish and perish

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











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%





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 ... Cited by 3845 Related articles Get at CISTI All 8 versions Cite



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All versions

A randomized comparison of coronary-stent placement and balloon angioplasty in the treatment of coronary artery disease

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

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.

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 balloonexpandable, stainless-steel, slotted tube is implanted at the site of a coronary stenosis. The

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UKPMC Labs >>



♠ 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 D BioEntities D Related Articles D

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 @

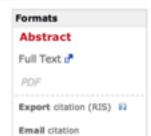
Abstract Highlight Terms □

Gene Ontology(1) □ Diseases(4) □ Chemicals(1)

<u>BACKGROUND</u>: Coronary-stent placement is a new technique in which a balloon-expandable, stainlesssteel, 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.

<u>METHODS</u>: 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.

<u>RESULTS</u>: 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 +/-



Search by Subject 🖟		
Angioplasty, Balloon, Coronary		
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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)

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

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

Futting 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



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 \ 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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MATHEMATICIANS:

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



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

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

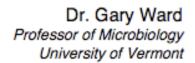
BIOLOGISTS:

Get more from your research. *Share it*.



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.

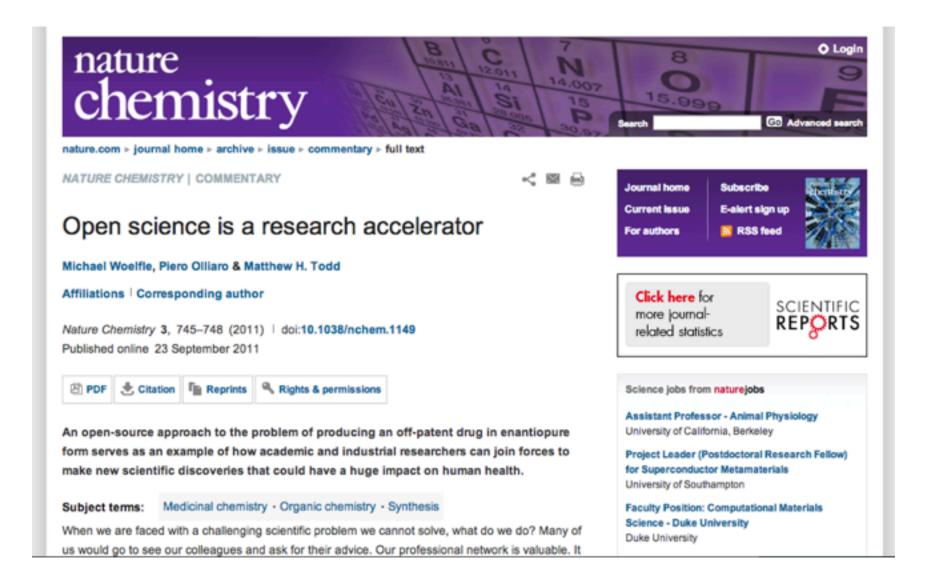
createchange.org





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"





IslandScholar 2.0



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





Search Advanced Search search

Scholars

Departments

Faculty/Staff Works

MBA Signature Projects

Theses Collection

Publish @ UPEI



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 Marteilia 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
 paragraphy paragite (IRR) from tunicate Malagarethic recent in Korne

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 (testimonials)
- OpCit Project (research on OA)
- SPARC Canadian Authors Addendum
- Open Access Scholarly Information Sourcebook
- CAUT Intellectual Property Advisory

Questions?



