Challenges and Opportunities for Medical Institutional Repositories

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Challenges and Opportunities for Medical Institutional Repositories

November 1, 2011
On Twitter: #medir11
Who Are We?

• **Dan Kipnis, MSI**  
  Manager, Jefferson Digital Commons and Senior Education Services Librarian, Thomas Jefferson University

• **Ann Koopman, AM**  
  Founder, Jefferson Digital Commons and JEFFLINE Editor, Thomas Jefferson University

• **Lisa Palmer, MSLS, AHIP**  
  Institutional Repository Librarian, Lamar Soutter Library, University of Massachusetts Medical School
Who Are You?

• Question #1: Who already has an institutional repository?

• Question #2: What is of most interest to you today?
Jefferson

- Historic, founded 1824
- Private
- ~3500 students
- All health sciences, all the time

UMMS

- Modern, founded 1962
- Public
- ~1040 students
- One of 5 UMass campuses
"...let us save what remains: not by vaults and locks which fence them from the public eye and use in consigning them to the waste of time, but by such a multiplication of copies, as shall place them beyond the reach of accident."

eScholarship@UMMS is a digital archive offering worldwide access to the research and scholarly output of the University of Massachusetts Medical School community. The goal is to bring together all of the University's research under one umbrella, in full text whenever possible, in order to preserve, promote, and provide access to that research. eScholarship is administered by the Lamar Soutter Library.

Browse Research and Scholarship at UMass Medical School

- School, Department, or Program
- Personal Researcher Pages
- Journals
- Conference Proceedings
- Authors

At a Glance

<table>
<thead>
<tr>
<th>Top 10 Downloads</th>
<th>Paper of the Day</th>
</tr>
</thead>
<tbody>
<tr>
<td>All time</td>
<td>Fellowship training and career outcomes for primary care physician-faculty</td>
</tr>
<tr>
<td>Recent Additions</td>
<td>Julie Scott Taylor, Robert H. Friedman, et al.</td>
</tr>
</tbody>
</table>

- 10,677 papers to date
- 195,426 full-text downloads to date
- 62,036 downloads in the past year
How Have Our Purposes Evolved?

• Original publication vs. archiving
  ○ $$ savings on publication expenses for departments.
• Departmental services
• Visibility on campus
• Visibility of our schools on the Internet
More Than Just Articles

Any IR
- Faculty articles
- In-house journals
- Student projects
- Conference posters & proceedings
- Historical materials
- Lectures/Podcasts
- Teaching materials
- Departmental records

Special Opportunities for Medical IRs
- Patient education
- Protocols
- Grand rounds
- Data storage to meet grant requirements
- Clinical & Translational Sciences (CTSA) program support
Anatomy videos - JDC

http://jdc.jefferson.edu/vghd/
Patient Education - JDC

http://jdc.jefferson.edu/photonovels/
Our core approach to treating cancer is to care for each individual patient, and support his or her vitality in a comprehensive way. Nutrition, lifestyle change, mind-body skills, constitutional treatments, and psychospiritual support are all essential features of our program. Graphically this can be represented by the following figure:
Rare Books - JDC

http://jdc.jefferson.edu/historical/
Student International Trip Reports - UMMS

Argentina 2010

Rachel Androphy, University of Massachusetts Medical School Worcester

Year of Medical School
4th Year

Date of Report
5-2010

Document Type
Report

Country
Argentina

Region
South America

Dates of Visit
February 2010

Sites Visited
Asociacion Piel: Cirugia Plastica Infantil, Argentina

Site Descriptions
Urban clinic and hospital

Site Addresses
Av. J.B. Palaá 536, Avellaneda, Argentina

Languages Used
Intermediate level Spanish language

Type of Opportunity
Language/cultural immersion; Clinical rotations in: pediatric plastic surgery and pediatric anesthesia
E-journals - UMMS

http://escholarship.umassmed.edu/neurol_bull/
http://escholarship.umassmed.edu/pib/
2011 Clinical and Translational Science Research Retreat

Friday, May 20, 2011

Hoagland Pincus Conference Center
Shrewsbury, Mass.

The 2nd Annual Clinical and Translational Science Research Retreat, “Creating Science Collaborations across the Commonwealth: Translating the Life Science Moment,” highlighted the ongoing work being done at UMass Medical School, clinical partner UMass Memorial Health Care, other UMass campuses, and other participating institutions to fulfill the mission of the UMass Center for Clinical and Translational Science (UMCCTS).

The retreat was jointly sponsored by the UMass Center for Clinical and Translational Science, and the UMass Medical School Office of Continuing Medical Education.

This website features a collection of presentations and posters from the retreat contributed by speakers and presenters.

View the retreat’s full agenda and schedule (PDF format)
RSS Feeds from IR Update
School Web Pages - UMMS

http://www.umassmed.edu/gsbs/index.aspx
Successful Partnerships
UMMS Partnership with Dept. of Psychiatry

Psychiatry Issue Briefs: A Librarian/Faculty Publishing Collaboration

Lisa Palmer, MSLS, AHIP
Kathleen Bieber, PhD

University of Massachusetts Medical School

Presented at the 2011 MAHSLIN Annual Meeting
May 6, 2011
Jefferson Partnership with School of Population Health

Health Policy Newsletter


Article

HPN Summer 2011 Download Full PDF

New Health Insurance Exchanges Expected to Address the Health Care Iron Triangle
Shawn Nowicki MPH

SCHOOL OF POPULATION HEALTH: CONFERENCES AND SYMPOSIA

Browse the School of Population Health: Conferences and Symposia Collections:

Building the Chain of Safety: Stakeholders Summit

Diabetes: Seeking Patient-Centered Solutions to a National Epidemic
Challenges & Opportunities
Who does the work of loading faculty and staff publications?

- Faculty disinterest in loading content
- Paraprofessional retraining
- Quality control
- Metadata
Staffing & integration of IR duties among specialty staff

- In-house scanning projects
- Copyright clearance
- Metadata
- Liaison with academic departments
- Project status vs. institutionalization
Ret/PTC 3 Induction of NFκB in Inflammation and Cancer.

Neely, Robert J.; Rothstein, Jay L.; May, Michael J., Department of Immunology and Microbial Pathogenesis, Thomas Jefferson University, and Department of Animal Biology, University of Pennsylvania

The expression of the oncogenic fusion protein Ret/PTC 3 (RP3) has been found in both Hashimoto's thyroiditis and in the differentiated thyroid malignancy, papillary thyroid carcinoma (PTC). RP3 is an oncogene formed from a translocation involving the N-terminal portion of RFG and the C-terminal kinase domain of the receptor tyrosine kinase c-RET. The full length c-RET receptor, once activated by ligand binding and autophosphorylation of its kinase domain, signals via the ras/raf/MAPK and PI3-K/AKT pathways. This signaling has been reported to be important in the activation of NFκB. Intriguingly, it was recently shown that the c-RET receptor plays a role in Peyer's patch development which has been reported to be dependant on the non-cannonical NFκB pathway. However, the RP3 fusion protein does not contain the transmembrane portion of the full-length receptor and only 20% of expressed RP3 has been observed to be membrane bound. These findings therefore leave in question the signaling mechanisms induced by RP3 that underlie its pro-inflammatory function. To address this question, we have generated epithelial cell lines stably expressing RP3 and found that the classical NF-κB pathway is robustly activated in these cells. Furthermore, RP3 expression enhances p100 processing to p52 in the RP3 expressing cells. We are currently delineating the mechanisms of RP3's activation of the NFκB pathways as understanding these may lead to the development of potential novel therapeutic targets.
Redundancy
Open Access and Research Data

- IRs can be part of the solution
- Institutional open access mandates
- Dataset storage: NSF requirement; student dissertations; journal articles

Photo credits:
http://www.flickr.com/photos/34070876@N08/3602393341/
http://www.data-archive.ac.uk/create-manage/life-cycle
Looking Ahead

http://www.flickr.com/photos/11213608@N03/1319877384/
Future Challenges

• Broadening outreach to new populations, such as retired faculty
• Finding ways to autopopulate the IR
• Incorporating research data
• Use of Wikipedia links to generate traffic
• Collaboration with Public Relations department on promotions and alerts
• Application of Google Analytics for additional data on site use
Questions?

• Contact us
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