# 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

### **UMMS**

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

- Modern, founded 1962
- Public
- ~1040 students
- One of 5 UMass campuses



#### Jefferson Digital Commons

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dissertations

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journals and newsletters

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research unit, center, or department

student materials

teaching tools

- "...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."
- --Thomas Jefferson to Ebenezer Hazard, Philadelphia, February 18, 1791. In Thomas Jefferson: Writings: Autobiography, Notes on the State of Virginia, Public and Private Papers, Addresses, Letters, edited by Merrill D. Peterson. New York: Library of America

AISR News & What's New on JEFFLINE

Interactive Google Maps Added to Elsevier Journals



#### eScholarship@UMMS

FAQ Home About My Account eScholarship@UMMS is a digital archive offering worldwide access to the research and scholarly output of the Enter search terms: University of Massachusetts Medical School community. The goal is to bring together all of the University's Search research under one umbrella, in full text whenever possible, in order to preserve, promote, and provide access to in this repository that research. eScholarship is administered by the Lamar Soutter Library. Advanced Search Browse Research and Scholarship at UMass Medical School School, Department, or Program Notify me via email or RSS Personal Researcher Pages Links Journals Library Conference Proceedings Related Sites Help Authors Browse Collections Disciplines At a Glance Paper of the Day Authors Fellowship training and career Top 10 Downloads All time outcomes for primary care physician-Author Corner Julie Scott Taylor, Robert H. Friedman, et al. Author FAO Recent Additions 20 most recent additions Submit Paper 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

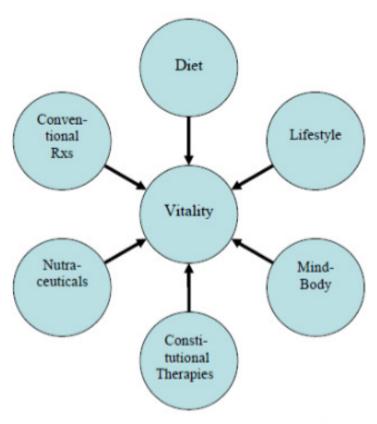
http://jdc.jefferson.edu/photonovels/



### Protocols - JDC

### http://jdc.jefferson.edu/cim/

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

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#### 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









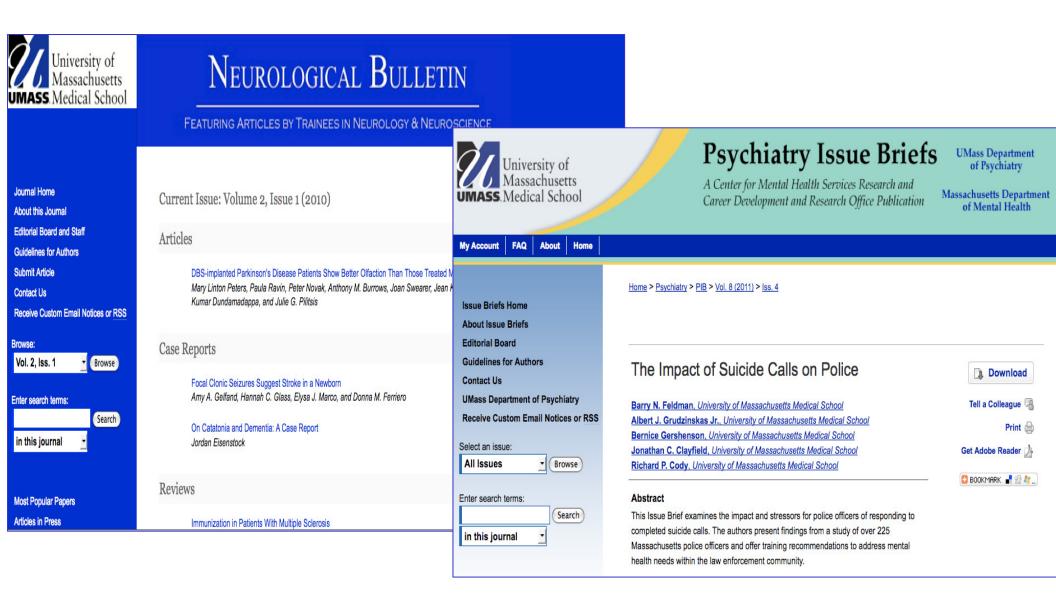






### E-journals - UMMS

http://escholarship.umassmed.edu/neurol\_bull/ http://escholarship.umassmed.edu/pib/

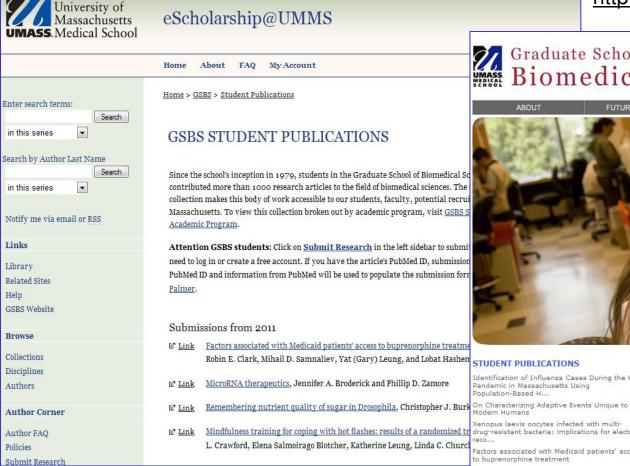


### Conference Websites - UMMS

#### http://escholarship.umassmed.edu/cts\_retreat/



### RSS Feeds from IR Update School Web Pages - UMMS



http://www.umassmed.edu/gsbs/index.aspx



REGISTRATION | GSBS Home | GSBS Intranet GO



#### STUDENT PUBLICATIONS

Identification of Influenza Cases During the H1N1 Pandemic in Massachusetts Using Population-Based H.,

Xenopus laevis oocytes infected with multidrug-resistant bacteria: implications for electrical

Factors associated with Medicaid patients' access

MD-PhD Student, Keith Romano, Awarded Journal of Biological Chemistry Herbert Tabor Young

MD-PhD Student, Jen MacDonald, Wins Visions Community Award

MD-PhD Student, Bharath Nath, Presents at American Association for the Study of Liver Diseases 2009 Annual Conference

Two UMMS GSBS Students Awarded the 2010 Harold M. Weintraub Graduate Student Award by The Fred Hutchinson Cancer Research Center

#### UPCOMING EVENTS

Wednesday, August 31, 2011

Dissertation Defense of Kimberly T. Leblanc, "Genetic And Enigenetic Contributions Of Runy Transcription Factors To Chondrogenesis And Osteoarthritis

Location: LRB 101, Michelson Conference

Time: 1:00 PM-2:00 PM

Wednesday, September 07, 2011

Faculty Poster Session

Location: Faculty Conference Room Time: 1:00 PM-3:00 PM

More Events

### Successful Partnerships



### UMMS Partnership with Dept. of

Psychiatry





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#### eScholarship@U1

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The Department of Psychiatry at the sector psychiatry. Our mission is to presearch, training, and community Massachusetts and beyond. We are the team of over 300 faculty and 2000 seducational and training programs, best integrated department of psych

See also the collections of the Shriver Center at the University

Browse the *Psychiatry* Collections:

Center for Mental Health Services Research

Psychiatry Issue Briefs

Psychiatry Publications and Presentations

Department of Psychiatry

**News and Updates** 

Event

Department Index

Careers and Employment Opportunities

**Psychiatry Resource Guide** 

Ways to Give and Volunteer

Watch for our upcoming Be Mentally Well lecture: **Understanding the Complex World of Bullying**. Oct. 12, 2011. Open to the public. More details to come.

UMass Medical School and clinical partner UMass Memorial Health Care have been invited to join the National Network of Depression Centers (NNDC) as a Center of Excellence. The NNDC brings together researchers and clinicians at academic health science centers nationwide to improve the quality, effectiveness and availability of diagnosis, treatment and prevention for depression and related mood disorders. Read the article in the August 5 UMass Med Now.

"An Act Relative to Insurance Coverage for Autism" (ARICA), signed into law by the Massachusetts state legislature in August 2010, requires that private health insurance companies cover the diagnosis and treatment of autism in



an

#### Psychiatry Issue Briefs: A Librarian/Faculty Publishing Collaboration

Lisa Palmer, MSLS, AHIP Kathleen Biebel, PhD

University of Massachusetts Medical School

Presented at the 2011 MAHSLIN Annual Meeting May 6, 2011



Colleen E. McKay Psychiatric Rehabilitation

Lisa R. Fortuna Child & Adolescent

Latino and Immigrant



# Jefferson Partnership with School of Population Health



### 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

### Proprietary Concerns

#### Sigma Xi Student Research Day 2008 Poster Abstracts

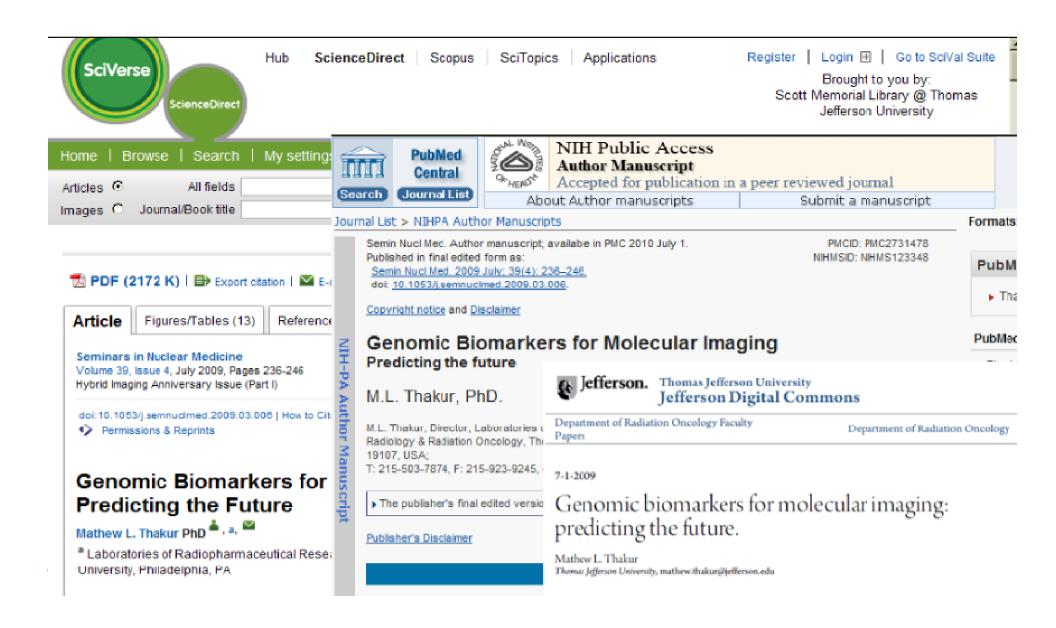
94) Ret/PTC 3 Induction of NFxB in Inflammation and Cancer. Neely, Robert J., Rothstein, Jay L., \*May, Michael J., Department of Immunology and Microbial Patholgenesis, Thomas Jefferson University, and Department of Animal Biology, University of Pennsylvania

Field Topic:

Physiology and Immunology

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 Nterminal 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 NFxB. Intriguingly, it was recently shown that the c-RET receptor plays a role in Peyers patch development which has been reported to be dependant on the non-cannonical NFxB 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 guestion 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-kB 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 NFxB pathways as understanding these may lead to the development of potential novel therapeutic targets.

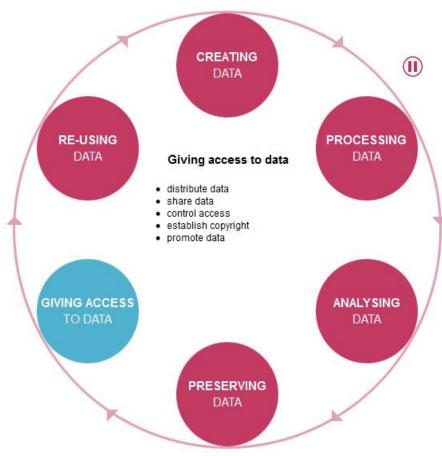
### Redundancy



### Open Access and Research Data

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





### 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
  - Dan Kipnis: <u>Dan.Kipnis@jefferson.edu</u>
  - o Ann Koopman: Ann.Koopman@jefferson.edu
  - Lisa Palmer: <u>Lisa.Palmer@umassmed.edu</u>
- http://escholarship.umassmed.edu/
- http://jdc.jefferson.edu/
- Copy of slides: http://jdc.jefferson.edu/aisrpubs/24