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How to Be a Gamechanger with Your IR: Managing the Institutional Repository at UMass Medical School

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How to Be a Gamechanger with Your IR: Managing the Institutional Repository at UMass Medical School

Lisa Palmer, MSLS, AHIP

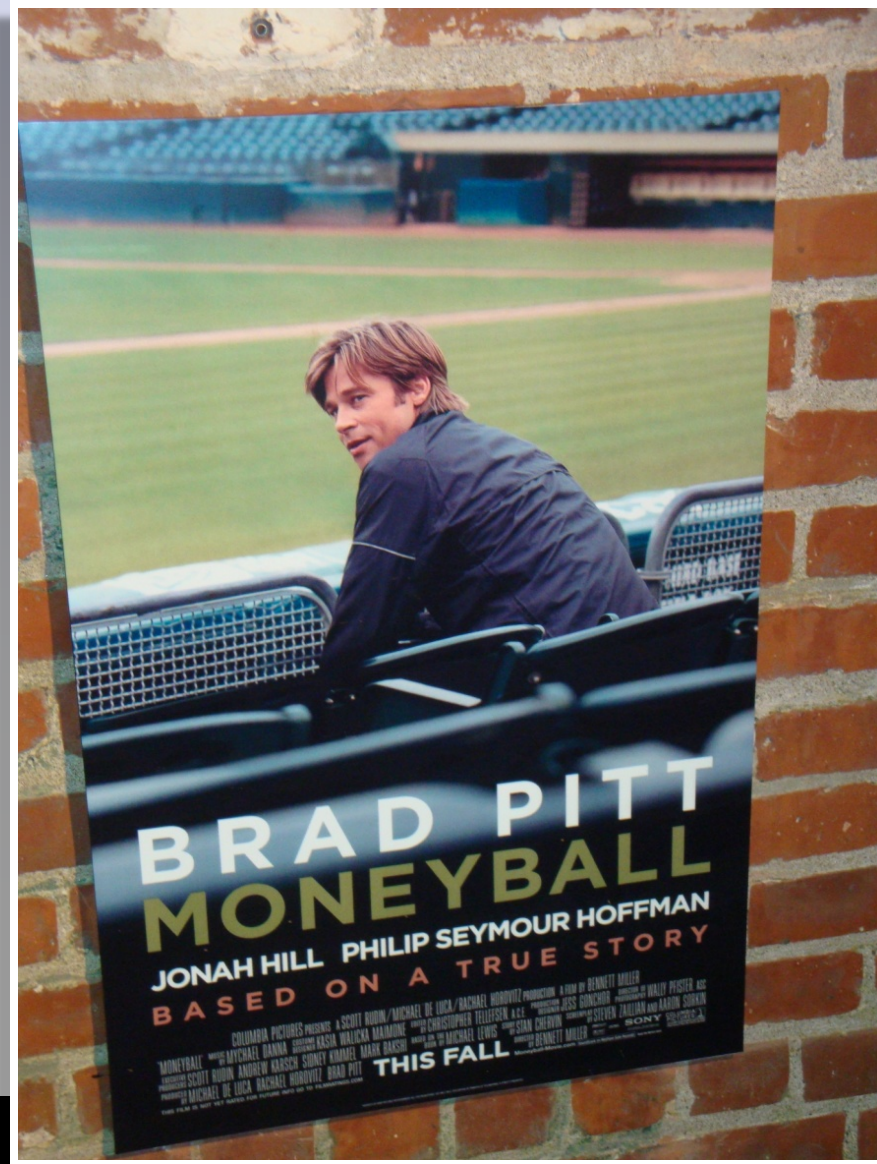
Institutional Repository Librarian

Lamar Soutter Library

University of Massachusetts Medical School

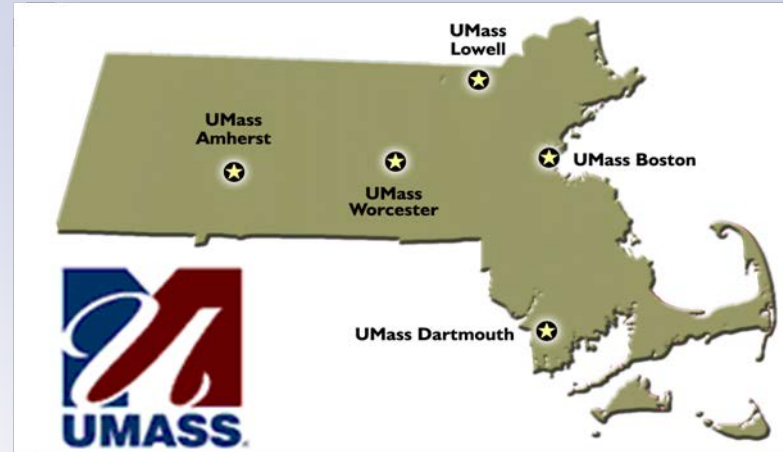


Baseball & Institutional Repositories ... huh?



Pre-game Analysis: UMass Medical School

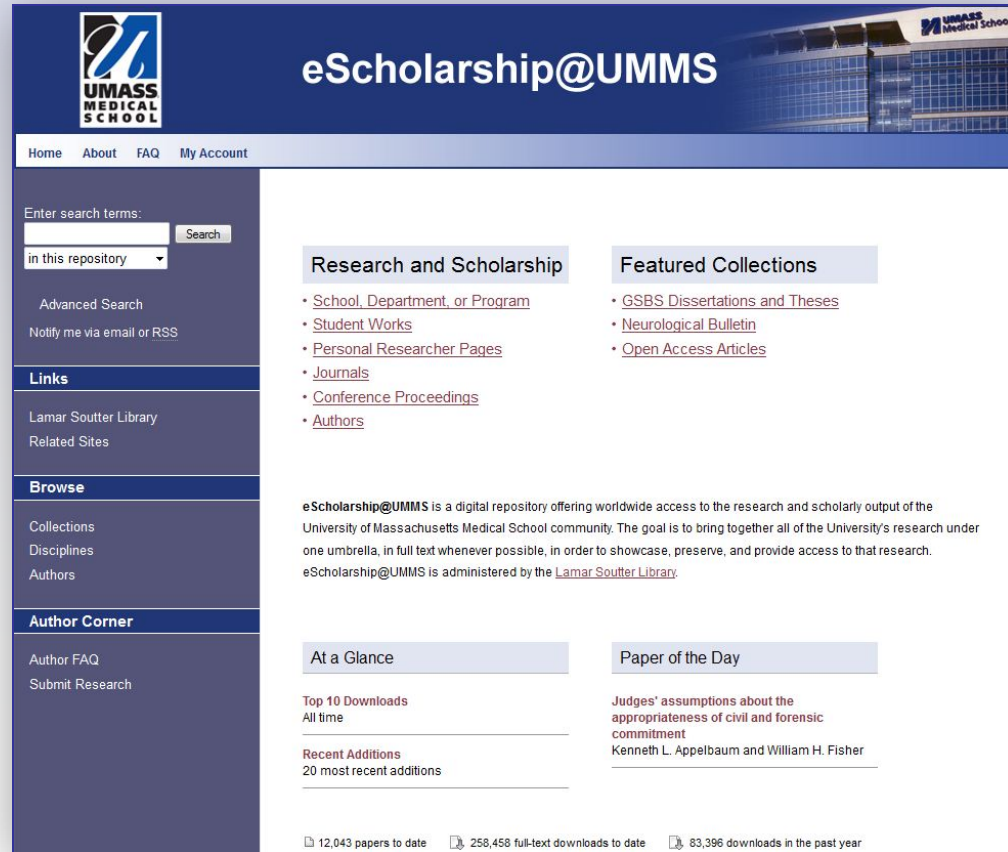
- Massachusetts' only public medical school, founded in 1962
- Currently ranked 7th in primary care education among 126 U.S. medical schools by U.S. News & World Report
- Accepts only in-state students into its medical degree program
- School of Medicine, Graduate School of Nursing, Graduate School of Biomedical Sciences
- Separate graduate campus in UMass system



eScholarship@UMMS Steps Up to the Plate

- Hosted repository platform: Digital Commons from bepress
- Launched in 2006
- Goal: showcase and increase visibility of research and scholarly output, in a stable, easily accessible repository
- Leadoff project: digitizing dissertations
- Team-based project initially – now one full-time IR librarian

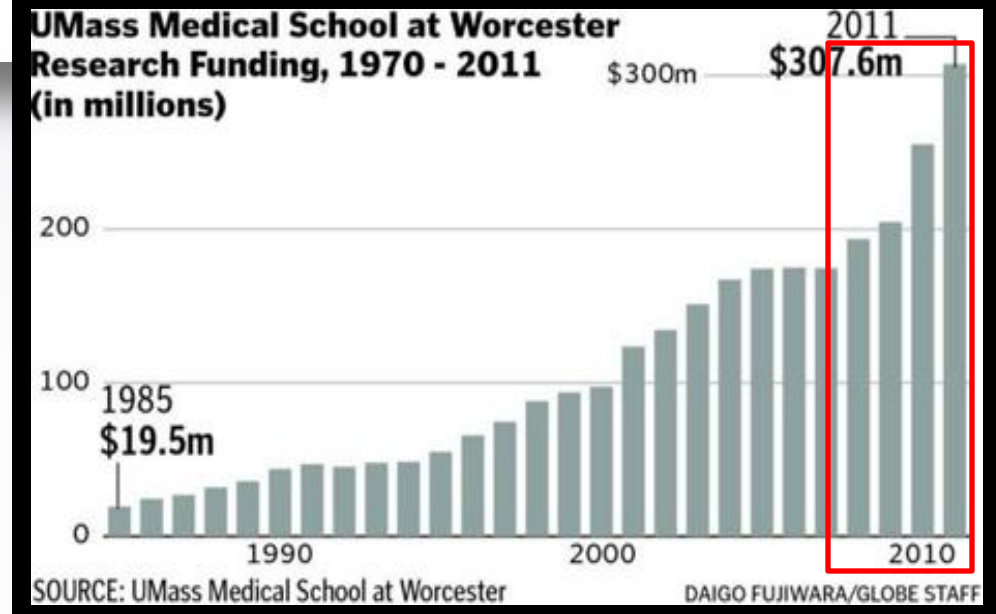
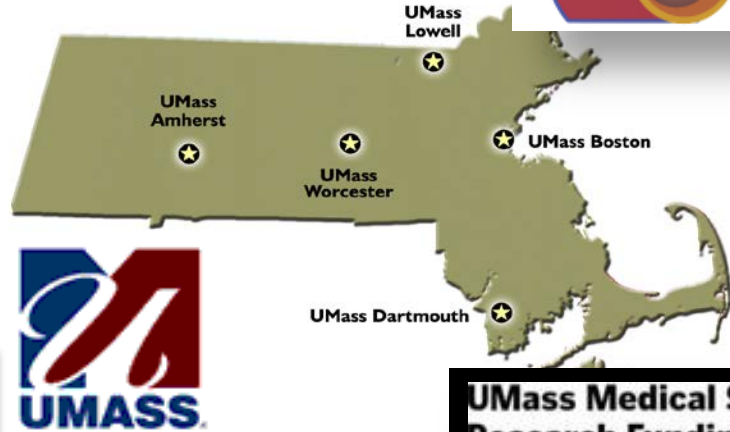
<http://escholarship.umassmed.edu>



The screenshot shows the homepage of the eScholarship@UMMS website. The header features the UMMS Medical School logo and the site title. A navigation menu includes Home, About, FAQ, and My Account. A search bar is located on the left, with a dropdown menu set to 'in this repository'. Below the search bar are links for 'Advanced Search' and 'Notify me via email or RSS'. The left sidebar contains sections for 'Links' (Lamar Soutter Library, Related Sites), 'Browse' (Collections, Disciplines, Authors), and 'Author Corner' (Author FAQ, Submit Research). The main content area is divided into several sections: 'Research and Scholarship' with links to School, Department, or Program; Student Works; Personal Researcher Pages; Journals; Conference Proceedings; and Authors. 'Featured Collections' includes GSBS Dissertations and Theses, Neurological Bulletin, and Open Access Articles. A paragraph describes the repository's mission: 'eScholarship@UMMS is a digital repository 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 showcase, preserve, and provide access to that research. eScholarship@UMMS is administered by the Lamar Soutter Library.' Below this are 'At a Glance' statistics: Top 10 Downloads (All time), Recent Additions (20 most recent additions), and Paper of the Day (Judges' assumptions about the appropriateness of civil and forensic commitment by Kenneth L. Appelbaum and William H. Fisher). At the bottom, three statistics are displayed: 12,043 papers to date, 258,458 full-text downloads to date, and 83,396 downloads in the past year.



Current Field Conditions



Leading Off: Department Collections

Pediatrics

• Pediatric Divisions

- [Adolescent Medicine](#)
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- [Child Protection](#)
- [Community Pediatrics](#)
- [Critical Care](#)
- [Developmental and Behavioral Pediatrics](#)
- [Education/Residency](#)
- [Emergency Medicine](#)
- [Endocrinology/Diabetes](#)
- [Gastroenterology/Nutrition](#)
- [General Pediatrics](#)
- [Genetics](#)
- [Hematology/Oncology](#)
- [Hospitalist Medicine](#)
- [Immunology/Infectious Disease](#)
- [National Children's Study](#)
- [Neonatology](#)
- [Nephrology](#)
- [Neurology](#)
- [Pulmonary and Allergy](#)
- [Rheumatology](#)

• Pediatric Publications and Presentations

**Access to publications via full text
(if permissible and available) or links**

Cross-linking between collections

**Metadata harvested from PubMed
eScholarship@UMMS**

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Links

Lamar Soutter Library
Related Sites
Endocrinology/Diabetes Division Website

Browse

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Authors

Author Corner

Author FAQ

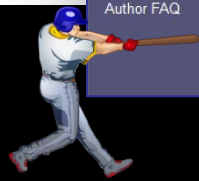
Home > Pediatrics > Pediatric Divisions > Endocrinology/Diabetes

ENDOCRINOLOGY/DIABETES


This collection showcases the journal articles and other publications authored by faculty and researchers in the [Endocrinology/Diabetes Division](#) in the [Department of Pediatrics](#) at the University of Massachusetts Medical School.

Publications from 2012

- [PDF](#) Serum Concentrations of Organochlorine Pesticides and Growth among Russian Boys, Jane S. Burns, Paige L. Williams, Oleg Sergeev, Susan A. Korrick, Mary M. Lee, Boris Revich, Larisa Altshul, Julie T. Del Prato, Olivier Humblet, Donald G. Patterson, Wayman E. Turner, Mikhail Starovoytov, and Russ Hauser
- [Link](#) What causes the insulin resistance underlying obesity?, Olga T. Hardy, Michael P. Czech, and Silvia Corvera
- [PDF](#) Does Hepatic Dysfunction Worsen Glucose Homeostasis by Impairing Vitamin D Metabolism?, Benjamin U. Nwosu
- [Link](#) Stroke in a child with Adams-Oliver syndrome and mixed diabetic ketoacidosis and hyperglycemic hyperosmolar syndrome, Benjamin U. Nwosu, Seema Adhami, and Alan D. Rogol
- [Link](#) Hepatic dysfunction is associated with vitamin D deficiency and poor glycemic control in diabetes mellitus, Benjamin U. Nwosu, Zheni G. Stavre, Louise Maranda, Karen Cullen, and Mary M. Lee
- [Link](#) Educating diabetes camp counselors with a human patient simulator: A pilot study, Susan Sullivan-Bolyai, Sybil L. Crawford, Kimberley Johnson, Bonny Huston, and Mary M. Lee
- [Link](#) Is vitamin D deficiency a feature of pediatric celiac disease?, Jeffrey Villanueva, Louise Maranda, and Benjamin U. Nwosu



Leading Off: Department Collections



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INTERNATIONAL MEDICAL EDUCATION PROGRAM

Ghana 2010

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Year of Medical School
2nd Year

Date of Report
1-1-2011

Document Type
Report

Country
Ghana

Region
Africa

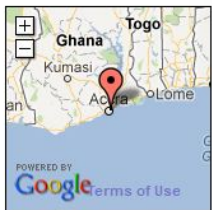
Dates of Travel
June-August 2010

Sites Visited
Children Better Way in the Buduburam Liberian Refugee Settlement, Ghana

Site Descriptions
Refugee camp with permanent housing (the camp is 20 years old)

Experience Level Required
Pre-clinical students

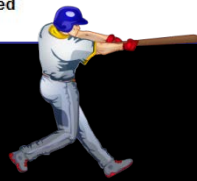
ARTICLE LOCATION



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Highly customized collection of student international trip reports



Leading Off: Department Collections

UMASS MEDICAL SCHOOL Graduate School of **Biomedical Sciences**

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ABOUT FUTURE STUDENTS STUDENTS & FACULTY ALUMNI POSTDOCTORAL SCHOLARS

STUDENT PUBLICATIONS

Wld(S) Prevents Axon Degeneration through Increased Mitochondrial Flux and Enhanced Mitochondrial Ca...

Here Today, Gone Tomorrow...and Back Again? A Review of Herbal Marijuana Alternatives (K2, Spice), Syn...

Allele- and tir-independent functions of intimin in diverse animal infection models

Rabenosyn-5 Defines the Fate of the Transferrin Receptor Following Clathrin-mediated Endocytosis

[More Publications](#)

NEWS

GSBS Celebrates Student Achievement 2012

Extraordinary talents: Twin sisters achieve exceedingly rare feat

GSBS Alum makes breakthrough in Angelman Syndrome: Unsilencing imprinted genes

CPHR Student, Yendelela Cuffee, awarded a Health Services Dissertation grant by the Agency Healthcare Research and Quality (AHRQ)

[More News](#)

UPCOMING EVENTS

Thursday, June 21, 2012

BBS
DISSERTATION DEFENSE OF FORUM RAVAL, "INNATE SIGNALS AND B CELL RESPONSES TO VIRUS INFECTION"
Location: S2-351-352
Time: 10:00 AM-11:00 AM

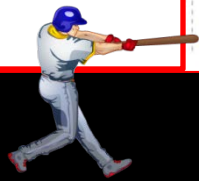
Monday, June 25, 2012

BBS
DISSERTATION DEFENSE OF NATHAN MOORE, "SLOW-CYCLING CANCER CELLS"
Location: LRB-716
Time: 11:00 AM-12:00 PM

[More Events](#)

RSS feeds can be integrated into department websites: efficient, dynamic, eliminates redundant work. A win-win for repository and department!

Link to
eScholarship@UMMS
collection



Next Up: Personal Researcher Pages

Selected Works of Jean A. King

Author Home | Browse Subjects | Browse Article Types | Series Home



Dr. Jean A. King, Ph.D., has received research grant support from the National Institutes of Health, the National Science Foundation, Centers for Disease Control, and the American Association of University Women, among others. With this research support she has made seminal contributions to the body of scientific knowledge, including the discovery that early stress can have profound consequences in adulthood and that non-invasively imaging the brains of these patients can provide clues as to accurate diagnosis and consequently proper treatment strategies. Dr. King has also worked with magnetic imaging technologies and has been granted a patent for discoveries in this area with others pending. Besides administering several nationally funded grant projects as principal investigator, Dr. King serves in a key administrative position as Director of the Center for Comparative NeuroImaging at the University of Massachusetts Medical School and Vice-Chair of Research.

Articles

- [Link](#) **A potential role for adjunctive vitamin D therapy in the management of weight gain and metabolic side effects of second-generation antipsychotics** (with Benjamin U. Nwosu, Bruce Meltzer, Louise Maranda, Carol A. Ciccarelli, Daniel Reynolds, Laura A. Curtis, Jean A. Frazier, and Mary M. Lee), *Journal of Pediatric Endocrinology and Metabolism* (2011)
- [PDF](#) **Assessment of Olfactory Processing in Parkinson's Disease Patients** (with Mary Linton Peters, Jacob Kleinman, Wei Huang, Keith A. Cauley, Paula D. Ravin, Peter Novak, Ali Bourisly, and Julie G. Pilitsis), *Senior Scholars Program* (2011)
- [PDF](#) **Uncovering intrinsic connectional architecture of functional networks in awake rat brain** (with Zhifeng Liang and Nanyin Zhang), *The Journal of neuroscience : the official journal of the Society for Neuroscience* (2011)
- [Link](#) **Mapping resting-state brain networks in conscious animals** (with Nanyin Zhang, Pallavi Rane, Wei Huang, Zhifeng Liang, David Kennedy, and Jean A. Frazier), *Journal of neuroscience methods* (2010)
- [PDF](#) **DBS-implanted Parkinson's Disease Patients Show Better Olfaction Than Those Treated Medically** (with Mary Linton Peters, Paula Ravin, Peter Novak, Anthony M. Burrows, Joan Swearer, Sathish Kumar Dundamadappa, and Julie G. Pilitsis), *Neurological Bulletin* (2010)

Join My Mailing List

Jean A. King
University of Massachusetts Medical School

- Vice-Chair of Research, Department of Psychiatry
- Director, Center for Comparative NeuroImaging, Department of Psychiatry
- Professor of Psychiatry, Department of Psychiatry

Contact Information
[Curriculum Vitae \[PDF\]](#)

Expertise

- Psychiatry

- Add-on to IR software
- Open to faculty, staff, students
- Pursuing integration with medical school's research collaboration solution



Batter Up! Electronic Journal Publishing



Journal of eScience Librarianship

putting the pieces together: theory and practice

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The *Journal of eScience Librarianship* is an open access, peer-reviewed journal that advances librarianship with a special focus on services related to data-driven research in the physical, biological, and social sciences.

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NEUROLOGICAL BULLETIN

FEATURING ARTICLES BY TRAINEES IN NEUROLOGY & NEUROSCIENCE

Volume 3, Issue 1 (2011)

[Warfarin and Aspirin in Atrial Fibrillation](#)
Marjorie Oriale, Lucia Rivera Lara, Anand Singla, and Marc Fisher

[Functional Examination Change With Resolution of PLEDs on EEG in Non-Anoxic Patients: A Retrospective Observational Study](#)
Shashree Narayanan

[Mortality Reports: Delay in Diagnosis of Spinal Epidural Abscess](#)
Yan-Hua Yu, and Jongoh Kim

[Radiation Cervico-Scapular Syndrome](#)
Lyna Pushchinska, and Roberta Seidman

[Flexion Sign in Brain Death](#)
Shany David, and Cara E. Harth

[Elevated IgE in Acute Hypereosinophilia](#)
Anthony Izzo, and Majaz Moonis

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Psychiatry Information in Brief

A Center for Mental Health Services Research and Career Development and Research Office Publication

UMass Department of Psychiatry
Massachusetts Department of Mental Health

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Psychiatry Information in Brief is a journal devoted to the dissemination of behavioral health information. This journal focuses on translating research findings into concise, user-friendly information that is accessible to all. It incorporates an array of dissemination products including:

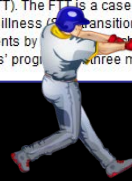
- **Psychiatry Issue Briefs:** Concise research findings with real-world recommendations and action items for providers and consumers of mental health services
- **Research in the Works:** Brief one page descriptions of on-going research at the UMass Department of Psychiatry
- **Research You Can Use:** Research findings from literature reviews, white papers, and other research aimed at busy providers
- **Transitions RTC:** Publications aimed at improving supports for youth and young adults with serious mental health conditions

Current Publications

Volume 9, Issue 7 (2012)

 [PDF](#) [Harmonizing Databases? Evaluating Effectiveness of A Statewide Public Mental Health Reentry Program](#)
Research in the Works
Stephanie W. Hartwell, Xiaogang Deng, William H. Fisher, Carl E. Fulwiler, and Debra A. Pinals

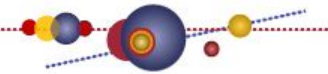
Describes a study which will establish a combined dataset "harmonizing" existing administrative databases to evaluate the effectiveness of the Massachusetts Department of Mental Health's Forensic Transition Team (FTT). The FTT is a case coordinator-based reentry program that serves persons with serious mental illness transitioning from prisons. As needed, the FTT coordinators advocate for clients by attending case planning meetings, providing linkages to providers, and tracking clients' program completion three months post-release.



Batting Cleanup: Conference/Event Websites



Amherst | Boston | Dartmouth | Lowell | Worcester



Clinical and Translational Science Research Retreat

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Links

- [University of Massachusetts Center for Clinical and Translational Science](#)
- [2011 Clinical and Translational Science Research Retreat](#)
- eScholarship@UMMS

[Home](#) > [UMass Center for Clinical and Translational Science](#) > [Clinical and Translational Science Research Retreat](#) > [2011 Retreat](#)

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](#)).

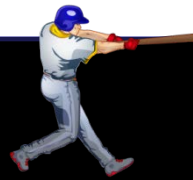
The retreat was jointly sponsored by the UMass Center for Clinical and Translational Science, and the UMass Medical School Office of Continuing Medical Education.

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)

Browse the contents of 2011 Clinical and Translational Science Research Retreat:

[Presentations](#)



Ongoing Library Support Is Your MVP

- Funding, administering, and maintaining the repository
- Processing CVs and department publication lists
- Checking publisher permissions for self-archiving
[\(http://www.sherpa.ac.uk/romeo/\)](http://www.sherpa.ac.uk/romeo/)
- Collaborating on e-journals, conference websites, and other highly customizable collections



“Pitching” the IR

- ✓ **Varied content:** Journal articles, posters, presentations, dissertations, student projects, reports, audio, video, data, and more
- ✓ **Full text searching**
- ✓ Functionality for **ejournal publishing, conference/event website management**, add-on product for **faculty web pages**
- ✓ **Usage statistics (download counts)**
 - ✓ Emailed monthly to all authors of full text publications
 - ✓ Summary report emailed monthly to collection administrators and editors
- ✓ Optimized **searching in Google** and Google Scholar
- ✓ **RSS feeds** and email alerts to report newly published content
- ✓ **Persistent URLs** ... system provides **stability & durability**
- ✓ **Ongoing Library support & administration**



“Pitching” the IR ... for a Specific Audience

For individual researchers

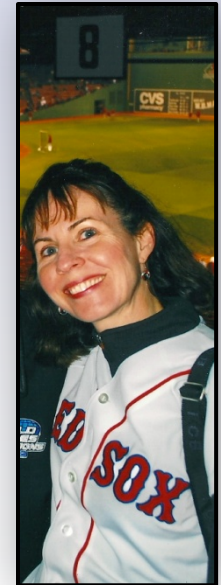
- Reliable usage statistics: monthly emailed usage stats with download counts
- Wider dissemination of papers potentially leads to earlier and increased citation of your work
- Functionality allows authors to impose embargoes on content
- Ability to archive posters and presentations
- Copyright consultation and lookup
- Easy to participate

For depts/centers/programs

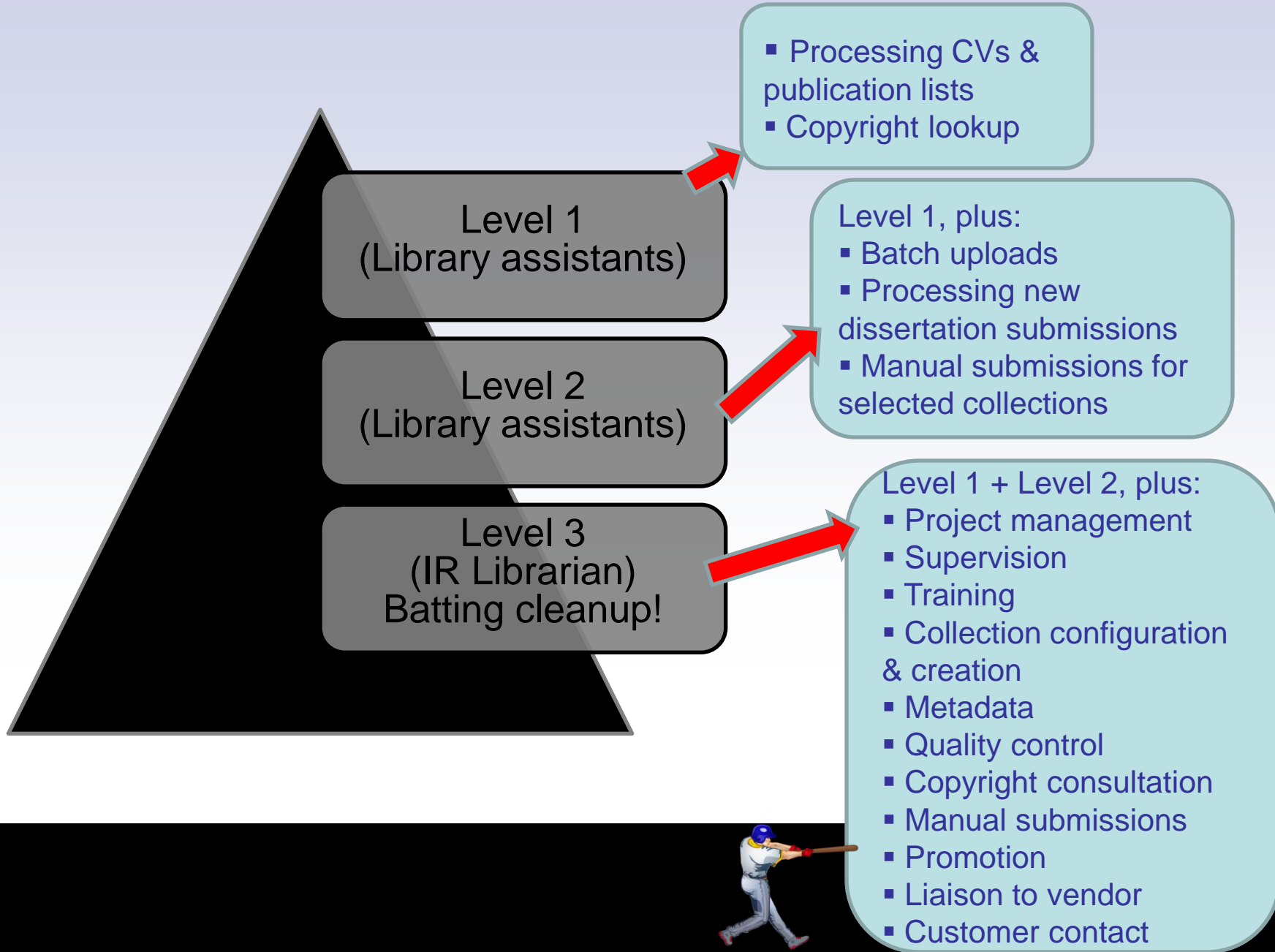
- Showcase for group’s research
- Recruitment tool for faculty, students, and researchers
- RSS feeds of newly published papers can be incorporated into department websites
- Ability to archive conferences
- Collection usage statistics
- Copyright consultation and lookup
- Library support for developing and maintaining collections going forward



Getting the Work Done: Our Lineup



Levels of IR Tasks



Future Expansion

- Open access resolution
- Archival/historical materials and exhibits
- Research data
- Clinical focus: Patient education, grand rounds
- Student newspaper



Lessons Learned

Recognize & take advantage of opportunities

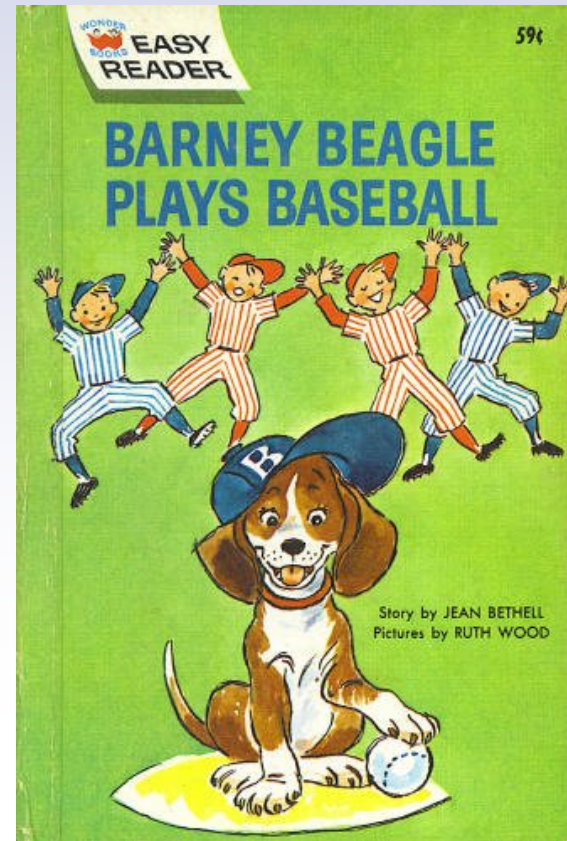
- NIH Public Access Policy
- Open access movement
- CTSA award
- eScience
- Departmental website redesigns
- Competition between academic departments



Lessons Learned

Make it as easy as possible to contribute

- Mediated deposit – do not expect authors to submit on their own
- CV and publication list processing
- Systematically harvest content and/or metadata from databases
- Copyright consultation and lookup
- Simple forms



Lessons Learned

Reduce barriers to content recruitment

- Embargoes offer needed flexibility
- IR policies should be flexible enough to allow for expansion
- Consider submissions without full text – may be more responsive to faculty prestige needs



Lessons Learned

RSS
feeds

Cross-linking
between
collections

Usage
statistics

Digitization

Add value

Ease
of use

Metadata

Reliability

Customized
collections

Customer
service



Lessons Learned

Institutionalize the repository

- Work towards a full-time position
 - Coordination
 - Promotion & marketing
 - Trust & credibility
- Repurpose or reprioritize existing staff
- Utilize your utility players
 - All library staff can assist with promotion
 - Department administrators



Lessons Learned

Find your champions

- Leverage relationships that your director, liaisons and colleagues have with other departments
- Offer to do pilot projects
- Outreach and education
- Don't waste time on people who don't get it



“You brought **everything** to the table.”

-- Kathleen Biebel, Research Assistant Professor of Psychiatry, UMass Medical School, referring to the Library's contribution to the ejournal collaboration on Psychiatry Information in Brief



Lessons Learned

Build trust



- Explain what you can and cannot do
- Follow through
- Communicate and keep people informed
- Don't drop the ball!



Play ball!



Lisa.Palmer@umassmed.edu

Presentation slides: http://escholarship.umassmed.edu/lib_articles/137/



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Slide 5

Hans Mehlii, Nobel Foundation, 2006

Slide 6

<http://swingleydev.com/baseball/scorecards.php>, CC BY-SA 2.5

Slide 13

<http://blog.smashfly.com/2012/03/15/3-tenets-of-excellent-customer-service-in-hrtech/>

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<http://www.howigit.com/2012/03/29/my-2012-boston-red-sox-lineup-season-preview/2012redsox/>

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<http://thesportscube.blogspot.com/2012/04/mlb-on-tsc-its-time-expansion-teams.html>

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<http://www.incord.com/sports-netting/sport-net-photos.htm>

Slide 26

Stan Grossfeld, Boston Globe, October 28, 2004

Slide 27

http://frank.itlab.us/photo_essays/wrapper.php?apr_17_2009_baseball.html, CC BY-NC-SA 3.0

