



Digital Commons - Heartland User Group + IR Day

12 Oct 2017, 11:00 AM - 11:45 AM

Automagical Faculty Works

Helena Marvin

University of Missouri - St Louis, marvinh@umsl.edu

Zoe J. Scala

University of Missouri-St. Louis, zjsp7c@mail.umsl.edu

Follow this and additional works at: <https://scholarsmine.mst.edu/dc-hug>



Part of the [Collection Development and Management Commons](#), and the [Scholarly Communication Commons](#)

Marvin, Helena and Scala, Zoe J., "Automagical Faculty Works" (2017). *Digital Commons - Heartland User Group + IR Day*. 23.

<https://scholarsmine.mst.edu/dc-hug/2017/schedule/23>

This Presentation is brought to you for free and open access by Scholars' Mine. It has been accepted for inclusion in Digital Commons - Heartland User Group + IR Day by an authorized administrator of Scholars' Mine. This work is protected by U. S. Copyright Law. Unauthorized use including reproduction for redistribution requires the permission of the copyright holder. For more information, please contact scholarsmine@mst.edu.

Automagical Faculty Works

By Helena Marvin & Zoe Scala
University of Missouri-St. Louis



About UMSL



University of Missouri–St. Louis ★

Public university in St. Louis, Missouri · 0.2 mi

[Website](#) [Directions](#)

The University of Missouri–St. Louis is public research university located in St. Louis, Missouri, United States. Established in 1963, it is one of four universities in the University of Missouri System and its newest. [Wikipedia](#)

Address: 1 University Blvd, St. Louis, MO 63121

Mascot: Louie

Acceptance rate: 69% (2010)

Phone: (314) 516-5000

Total enrollment: 16,719 (2012)

Undergraduate tuition and fees: Out-of-state tuition: 21,206 USD (2011), In-state tuition: 9,038 USD (2011)

Colors: Yellow, Red

University of Missouri-St. Louis

A public research university established in 1963, the youngest of the four universities in the UM system.

IRL@University of Missouri-St. Louis Institutional Repository Library



IRL went live March 1st, 2016. There have been over nine thousand downloads of nearly three thousand works from almost a hundred and fifty countries.



irl.umsl.edu

- Yearbooks
- Bulletins
- Library Newsletters
- Dissertations
- Theses
- **Faculty Works**

The screenshot shows the homepage of the Institutional Repository Library (IRL) at the University of Missouri-St. Louis. The header includes the UMSL Libraries logo and the IRL@University of Missouri-St. Louis Institutional Repository Library branding. A navigation bar contains links for Home, About, FAQ, and My Account. The main content area is divided into several sections: a 'Browse' section with links for Collections, Disciplines, and Authors; a 'Search' section with a search input field and a dropdown menu set to 'in this repository'; an 'Author Corner' section with links for Author FAQ and Submit Research; and a 'Browse Research and Scholarship' section with a 'Follow' button and links to 'Research unit, center, or department' and 'SelectedWorks Gallery'. A descriptive paragraph states that the repository is a service of the University of Missouri, St. Louis libraries, and that research and scholarly output included here has been selected and deposited by individual university departments and centers on campus. Below this, there are three columns: 'At a Glance' with 'Top 10 Downloads All time', 'Recent Additions' (20 most recent additions, Activity by year), and 'Paper of the Day' (UMSL Bulletin 2012-2013, University of Missouri-St. Louis). At the bottom, there are statistics: 16 papers to date, 35 full-text downloads to date, and 35 downloads in the past year. A footer note indicates that the collection is part of the Digital Commons Network.

What do we want?

More faculty works!

How do we want it?

Automagically!



automagical

adjective [aw-toh-maj-i-kuh l]

done, operating, or happening in a way that is hidden from or not understood by the user, and in that sense, apparently “magical.”

Tools, equipment & the student worker.



Zoe Scala is a senior working towards their Psychology B.A. They were hired as the IRL student worker in February 2017, and have collected over 2,500 bibliographical entries for more than 70 faculty members.

- Zotero
- Zotero Add-ons
- SHERPA/RoMEO
- Google Sheets
- Google script for SHERPA/RoMEO
- Google Forms
- Full Text URL Generator
- FormRanger

Departments Completed

- Biology
- History
- Philosophy
- Psychology



We use a lot of free / freely available tools and open source tools to find and collect metadata for faculty works.



Zotero is a citation management tool. It is free and open source! It is a great tool for quickly and easily collecting faculty bibliographies. It's an easy click of a button to capture a lot of metadata.



Zotero Collection

Using CVs, faculty websites, academia.edu, google scholar, any and all citations that can be found are collected into Zotero preferably with PDFs.

The screenshot shows the Zotero application window. At the top is a toolbar with icons for adding, searching, and editing. Below the toolbar is a dropdown menu labeled "All Fields & Tags". The main area displays a list of citations in a table format with two columns: "Title" and "Creator". Each row has a small document icon to the left of the title and a blue circle icon to the right of the creator name. The list includes various scientific papers, such as "Advertisement Call Variation in the Golden Rocket Frog" and "Amphisexual Parental Behavior of a Terrestrial Breeding Frog".

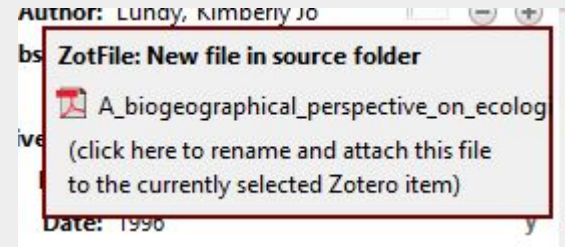
Title	Creator
Advertisement Call Variation in the Golden Rocket Frog (<i>Anomaloglossus beebei</i>): Evidence for Individual Distinctiveness	Pettitt et al.
Amphisexual Parental Behavior of a Terrestrial Breeding Frog <i>Eleutherodactylus johnstonei</i> in Guyana	Bourne
A New Species of <i>Colostethus</i> (Anura: Dendrobatidae) with Maternal Care from Kaieteur National Park, Guyana	Kok et al.
Breeding Behavior and Food Habits of the Wattled Jacana	Osborne and Bourne
Color Vision Varies More among Populations than among Species of Live-bearing Fish from South America	Sandkam et al.
<i>Corallus hortulanus</i> (Amazon Tree Boa). Diet	Bourne
Crossing-over between Y Chromosomes: Another Possible Source of Phenotypic Variability in the Guppy, <i>Poecilia Reticulata</i> Peters	Petrescu-Mag and Bourne
Differential Snail-Size Predation by Snail Kites and Limpkins	Bourne
Females Prefer Carotenoid Colored Males as Mates in the Pentamorphic Livebearing Fish, <i>Poecilia Parae</i>	Bourne et al.
Field Tests of Micropatch and Prey-size Selection by Snail Kites <i>Rostrhamus Sociabilis</i>	Bourne
Gender Determination by Body Weight and Linear Measurements in American and Chilean Flamingos, Previously Surgically Sexed	Richter et al.
Guyana Rain Collection in the Northern Guyana Shield	Richter et al.



ZotFile

Zotero is a powerful tool that can be improved with addons:

- “ZotFile: Advanced PDF management for Zotero”
 - Improves filename management. Any file can be added to an existing entry with a single click. ZotFile allows for batch renaming of files, which makes pairing files and metadata easier.





Google Drive at UMSL **mydrive.umsl.edu**

UMSL has google drive for our institution. This has greatly aided our workflow as the storage is unlimited and collaboration is simplified.



Google Sheets

Organizing the bibliographical metadata obtained by Zotero is easy with Google sheets. Zotero can generate CSV files which are directly uploaded to Google Drive for librarian review.

	A	B	C	D	E	F	G	H	I	J
1	Key	Item Type	Publication Year	Author	Title	Publication Title	ISBN	DOI	Url	Abstract Note
2	QVFMW5WP	journalArticle	1995	Jones, Russell T	Substance Abuse	Journal of Child & Adolescent Sub		10.1300/J029v04	http://dx.doi.org/	This study exam
3	SDU7VDM2	journalArticle	1997	Farrell, Albert D.	Impact of Expos	Journal of Clinical Child Psycholog		10.1207/s15374424jccp2801_1		Examined the ef
4	KSJMF8HK	journalArticle	1998	White, Kamila S	Impact of Expos	Journal of Child and Family Studie		10.1023/A:10225	https://link.springer.com/	In a longitudinal
5	SCJZTAWP	journalArticle	2001	Phillips, Katharin	The Relationship	Journal of Personality Disorders		10.1521/pe.15.	http://guilfordjour.com/	Few studies hav
6	B3744UQ7	journalArticle	2001	Salzman, Carl; C	Pharmacologic T	The Journal of Clinical Psychiatry		10.4088/JCP.v62n0302		Reports on the p
7	VNT23K4C	journalArticle	2001	Zlotnick, Caron;	Delayed Posttra	Journal of Nervous and Mental Disease				
8	SWR4NADI	journalArticle	2001	Bruce, Steven E	Infrequency of "F	Depression and Anxiety		10.1002/da.1070	http://online.librarian.org/	The widespread
9	C54VGO8I	journalArticle	2001	Bruce, Steven E	Trauma and Pos	Primary Care Companion to the Journal of Clinical Psychiatry				Background: Thi
10	WDD9QGR2	journalArticle	2002	Weisberg, Risa I	Nonpsychiatric II	Psychiatric Services			http://ps.psychiatryonline.org/doi/	



SHERPA/RoMEO

SHERPA/RoMEO provides information on what works can or cannot be archived in an IR from a variety of journals, and if those works can be the publisher, pre-print or post-print version of the article. Doing this with an automagical script inside google sheets is much easier than manually searching SHERPA/RoMEO for journal information.

The screenshot shows the SHERPA/RoMEO search interface. At the top, the logo and name 'SHERPA/RoMEO' are displayed in green. Below this is a search bar with the text 'Search - Publisher copyright policies & self-archiving'. The search results indicate 'One journal found when searched for: 0028-0836'. The journal details are as follows:

Journal:	Nature (ISSN: 0028-0836, ESSN: 1476-4687)
RoMEO:	This is a RoMEO yellow journal
Author's Pre-print:	✓ author can archive pre-print (ie pre-refereeing)
Author's Post-print:	✗ subject to Restrictions below, author can archive post-print (ie final draft post-refereeing)
Restrictions:	• 6 months embargo
Publisher's Version/PDF:	✗ author cannot archive publisher's version/PDF



SHERPA script for Google Sheets

This automagical process, obtains a lot of relevant information needed to find articles we can share in IRL. We use a script made by Stephen Flynn, professor at College of Wooster, to retrieve information from SHERPA into our Google Sheet files.

CI	CJ	CK	CL	CM
ISSN	pubpdf	finaldraft	embargo	checkOAmandate
1067-828X	No publisher PDF	Final draft allowed	Embargo	all good!
0047-228X		Final draft allowed	no	all good!
1062-1024, 1573-2843	No publisher PDF	Final draft allowed	no	all good!
0885-679X	No publisher PDF	Final draft restricted	Embargo	all good!
0160-8689	No publisher PDF	NO final draft allowed	no	all good!
0022-3018	No publisher PDF	Final draft restricted	Embargo	all good!
1520-8394	No publisher PDF	Final draft restricted	Embargo	all good!
1523-6998	No publisher PDF	NO final draft allowed	no	all good!
	blank ISSN	blank ISSN	no	blank ISSN
0010-440X	No publisher PDF	Final draft allowed	Embargo	all good!
1520-8394	No publisher PDF	Final draft restricted	Embargo	all good!

```
1 //For questions, email Stephen X. Flynn, College of I
2
3 //Updates:
4 //May 2013 - fixed pubpdf() to detect both "failed" a
5 //March 2013 - new functions for Final Drafts and OA r
6
7 //Instructions:
```



Google Forms

We send an outreach update form alerting faculty of the works which have been found in SHERPA/RoMEO.

UMSL Libraries
University of Missouri–St. Louis

IRL @ University of Missouri–St. Louis
Institutional Repository Library

Permission to Share Your Research

This form is for you to provide permission for your research to be showcased and shared in the

Prior to presentation the plan was to ask faculty for permission to share their OA works. This, it was pointed out at DC-Hug, could mislead the faculty into believing that their permission is needed. That's not how OA works. Instead of permission the faculty will be alerted as to what works are going to be shared. Placing their OA works in the IR is a library service.

All of the below works can be shared but I would like to be notified before future works are shared.



FormRanger

FormRanger is a Google Forms add-on that takes metadata from a Google Sheet into Google Forms. Using this, a Sheet is created with works eligible for upload for a faculty member.

FORMRANGER

Populate Multiple Choice, Dropdown, Checkboxes, or Grid questions from a column range listed in a sheet or [Doctopus](#) roster.

Questions list

▼ Research Available for Upload 🔔

Populate from range

Research Availabl ⌵ ✎ 🗑️ +

Auto-repopulate questions

On form submit OFF ON

Every hour OFF ON

Update question list

Google Sheet to Batch Upload

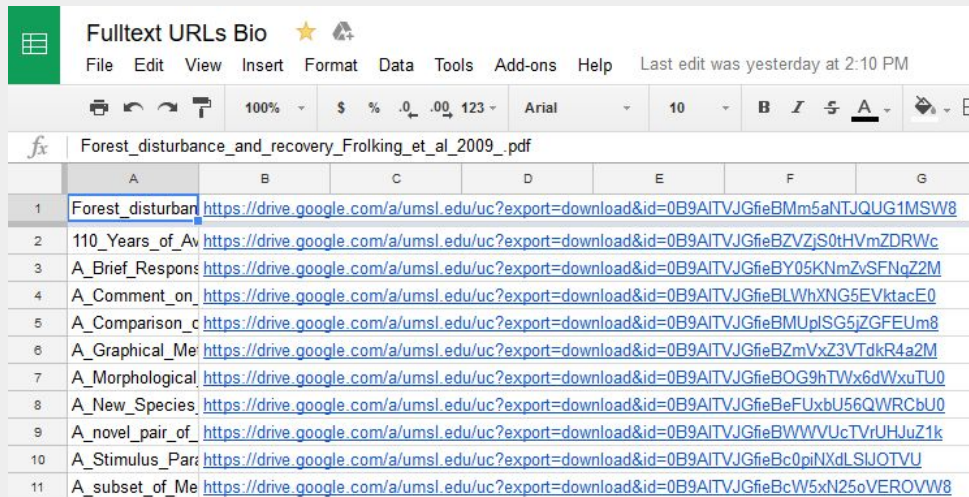
After we get permission, it is a relatively easy copy and paste to crosswalk the metadata from our zotero output into the bepress batch upload template.

title	fulltext_url	keywords	abstract	author1_fname	author1_mname	author1_lastname
			Background: Post-Traumatic Stress Disorder (PTSD) is characterized by distinct behavioral and physiological changes. Given the significant impairments related to PTSD, examination of the biological underpinnings is crucial to the development of theoretical models and improved treatments of PTSD. Methods: We used an attentional interference task using emotional distracters to test for top-down versus bottom-up dysfunction in the interaction of cognitive-control circuitry and emotion-processing circuitry. A total of 32 women with PTSD (based on an interpersonal trauma) and 21 matched controls were tested. Event-related functional magnetic resonance imaging was carried out as participants directly attended to, or attempted to ignore, fear-related stimuli. Results: Compared to controls, patients with PTSD showed hyperactivity in several brain regions, including the amygdala, insula, as well as dorsal lateral and ventral PFC regions. Conclusions: These results are consistent with previous studies that have higher amygdala and insular activation in PTSD subjects. However, inhibition of suppression of PFC regions is inconsistent with the fear circuitry model hypothesized by prior research. We suggest that the specific emotional conflict task used appears to target implicit or automatic emotional regulation instead of explicit or effortful emotional regulation. This is particularly relevant as it posited that emotional regulatory difficulties in anxiety disorders such as PTSD appear to occur in implicit forms of emotion regulation.	Steven	E.	Bruce

It is on this sheet that an original citation for the work is input to replace the bepress generated citation. First preference is to use a citation as presented by the originated publisher, if this is not found an APA style citation is generated from the zotero database.

File - Full Text URL from Google Drive

Using a code made by Barbara Strauss and Marsha Miles at Cleveland State University, generating URLs is easy. Simply put all available PDFs into a shared folder (in google drive), input a few variables, and this code generates a spreadsheet with URLs for uploading the files to bepress.

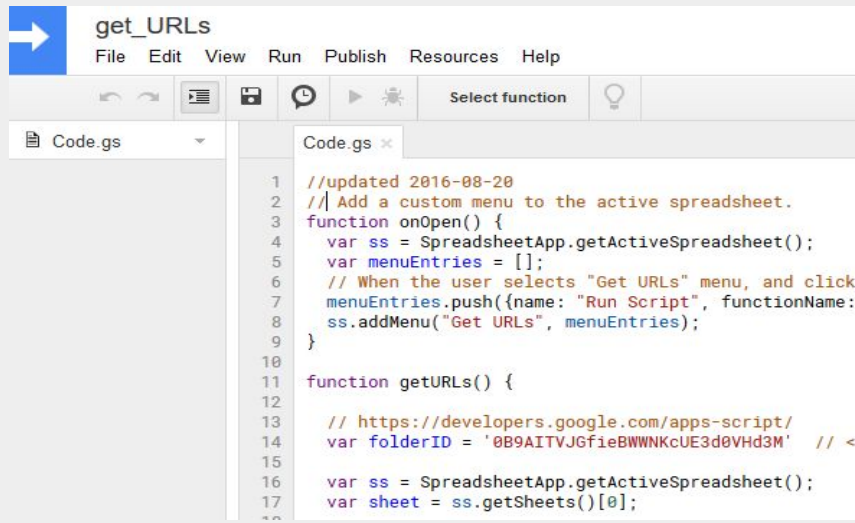


Fulltext URLs Bio

File Edit View Insert Format Data Tools Add-ons Help Last edit was yesterday at 2:10 PM

Forest_disturbance_and_recovery_Frolking_et_al_2009_.pdf

	A	B	C	D	E	F	G
1	Forest_disturban	https://drive.google.com/a/umsl.edu/uc?export=download&id=0B9AITVJGfieBMm5aNTJQUG1MSW8					
2	110_Years_of_Av	https://drive.google.com/a/umsl.edu/uc?export=download&id=0B9AITVJGfieBVZjS0tHVmZDRWc					
3	A_Brief_Respons	https://drive.google.com/a/umsl.edu/uc?export=download&id=0B9AITVJGfieBY05KNmZvSFNqZ2M					
4	A_Comment_on	https://drive.google.com/a/umsl.edu/uc?export=download&id=0B9AITVJGfieBLWhXNG5EVktacEQ					
5	A_Comparison_c	https://drive.google.com/a/umsl.edu/uc?export=download&id=0B9AITVJGfieBMUplSG5jZGFUem8					
6	A_Graphical_Me	https://drive.google.com/a/umsl.edu/uc?export=download&id=0B9AITVJGfieBZmVxZ3VTdkR4a2M					
7	A_Morphological	https://drive.google.com/a/umsl.edu/uc?export=download&id=0B9AITVJGfieBOG9hTWx6dWxuTU0					
8	A_New_Species	https://drive.google.com/a/umsl.edu/uc?export=download&id=0B9AITVJGfieBeFUxbU56QWRcBU0					
9	A_novel_pair_of	https://drive.google.com/a/umsl.edu/uc?export=download&id=0B9AITVJGfieBWWVUcTvUHJuZ1k					
10	A_Stimulus_Par	https://drive.google.com/a/umsl.edu/uc?export=download&id=0B9AITVJGfieBc0piNXdLSJOTVU					
11	A_subset_of_Me	https://drive.google.com/a/umsl.edu/uc?export=download&id=0B9AITVJGfieBcW5xN25oVEROVW8					



get_URLS

File Edit View Run Publish Resources Help

Select function

```
Code.gs
Code.gs x
1 //updated 2016-08-20
2 // Add a custom menu to the active spreadsheet.
3 function onOpen() {
4   var ss = SpreadsheetApp.getActiveSpreadsheet();
5   var menuEntries = [];
6   // When the user selects "Get URLs" menu, and click
7   menuEntries.push({name: "Run Script", functionName:
8     ss.addMenu("Get URLs", menuEntries);
9 }
10
11 function getURLs() {
12
13   // https://developers.google.com/apps-script/
14   var folderID = '0B9AITVJGfieBWWNKcUE3d0VHd3M' // <
15
16   var ss = SpreadsheetApp.getActiveSpreadsheet();
17   var sheet = ss.getSheets()[0];
18 }
```



If you build it they will come?

All literature points to no, but if I build it, and my student worker automagically finds works to fill it, we think the faculty will sign off to let it be shared.



SelectedWorks and the Institutional Repository Library

IRL

IRL cannot pull from SelectedWorks.

Thus items which can be shared in full text are first uploaded to IRL.

IRL is a mediated space.

SelectedWorks

SelectedWorks can pull from IRL.

Items that cannot be shared in fulltext are linked from faculty SelectedWork pages.

SelectedWorks at our institution is not mediated, faculty members accepts a TOS agreement with bepress and they can upload and include what they wish beyond the works uploaded to IRL.



Where we are & Where we're going

Over 250 journal articles by 17 faculty members have been processed and are ready for upload to digital commons, pending faculty approval. These articles were identified using SHERPA/RoMEO as publisher pdf share-able and the articles are out of embargo.

Our early adoption faculty are from the Philosophy department, and their works are currently available in IRL.

<http://irl.umsl.edu/philosophy-faculty/>

The screenshot displays the IRL@University of Missouri-St. Louis Institutional Repository Library website. The header includes the UMSL Libraries logo and the IRL@University of Missouri-St. Louis Institutional Repository Library logo. A navigation bar contains links for Home, About, FAQ, and My Account. The main content area is titled "PHILOSOPHY FACULTY WORKS" and features a "Follow" button. Below the title, there is a list of articles, each with a PDF icon and a link to the article. The articles listed are:

- [A Small Discovery: Avicenna's Theory of Minima Naturalia](#), Jon McGinnis
- [Computing Mechanisms](#), Gualtiero Piccinini
- [Scientific Methodologies in Medieval Islam](#), Jon McGinnis
- [Splitting Concepts](#), Gualtiero Piccinini and Sam Scott
- [The Resilience of Computationalism](#), Gualtiero Piccinini
- [Willful Understanding: Avicenna's Philosophy of Action and Theory of the Will](#), Jon McGinnis and Anthony Ruffus

The left sidebar contains sections for "Browse" (Collections, Disciplines, Authors), "Search" (Enter search terms, Search button, in this series dropdown, Advanced Search, Notify me via email or RSS), and "For Contributors" (FAQ).

**Thanks for
Listening!
Any Questions?**

A decorative pattern of vertical bars of varying heights and shades of red, located at the bottom of the slide.



Summary of the Student Workflow

1. Fill out a faculty member dossier
2. Begin Zotero citation collection for that person
3. Export Zotero findings to Google Sheets
4. Run the SHERPA script
5. Sort Google Sheet to see which PDFs can be uploaded as is (Allows Publisher PDF)
6. Upload those PDFs and generate a full text url to the files on google drive
7. Crosswalk the metadata from the zotero generated sheet to the Bepress batch template
8. Use FormRanger to create a Google Form to let the faculty know what OA works of theirs have been found and will be uploaded to IRL.



Links to tools

Zotero: <https://www.zotero.org/>

Zotfile: <http://zotfile.com/>

SHERPA/RoMEO:
<http://www.sherpa.ac.uk/romeo/index.php>

SHERPA script courtesy of College of
Wooster:
<https://sxflynn.net/2014/04/13/kickyour-star-t-institutional-repository/>

FormRanger:
<https://chrome.google.com/webstore/detail/formranger/faepkjkcpcnngdqdhobglpppbfdnaehc?hl=en>

Full-text URL script courtesy of Cleveland
State University:
http://engagedscholarship.csuohio.edu/msl_facpub/105/



References

Automagical | Define Automagical at Dictionary.com. (n.d.). Retrieved October 3, 2017, from <http://www.dictionary.com/browse/automagical>

Flynn, S. X., Oyler, C., & Miles, M. (2013). Using XSLT and Google Scripts to Streamline Populating an Institutional Repository. *The Code4Lib Journal*, (19). Retrieved from <http://journal.code4lib.org/articles/7825>

Strauss, B., & Miles, M. (2014). Automating Workflow: From a Trickle to a Stream. *Michael Schwartz Library Publications*. Retrieved from http://engagedscholarship.csuohio.edu/msl_facpub/105