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Cynthia Robinson  
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Note

The issue of "predatory publishing" has been in the news a lot lately. A recent article in the New York Times, "[A Scholarly Sting Operation Shines a Light on 'Predatory' Jour-](#)

## "Predatory publishing is becoming an organized industry"

[nals](#)"<sup>1</sup>, highlighted a study published in *Nature* that again demonstrates the extent of the problem. The *Nature* article, "[Predatory Journals Recruit Fake Editor](#)"<sup>2</sup>, describes the process the three authors undertook to shine a light on the problem. The authors noted, "Many predatory journals hoping to cash in seem to aggressively and indiscriminately recruit academics to build legitimate looking editorial boards." Their sting operation submitted a fake application for an editor position to 360 journals, a mix

of legitimate and suspect titles. One-hundred twenty titles from each of the following directories: Journal Citation Reports (JCR), Directory of Open Access Journals (DOAJ), and Beall's List of Predatory Titles (no longer available) were randomly selected. The authors named their scientist, Anna O. Szust; Oszust means fraud in Polish. All the information included in her CV was false. The authors stated, "The aim of our study was to help academics to understand how bogus versus legitimate journals operate, not to trick journals into accepting our editor. For this reason, Szust was not a persistent applicant. "

So what happened? None of the titles in JCR accepted Szust as an Editor; 8 DOAJ and 40 predatory titles accepted Szust as an editor. Sorokowski et.al. make three sobering observations that should get our attention.

- 1) "Predatory publishing is becoming an organized industry."
- 2) "The rise of predatory journals threatens the quality of scholarship." I would argue it also threatens the reliability as well.
- 3) "The pressure on academics to

publish contributes. Those who reward academics for publishing must make efforts to assess journal quality and to reward only best practices."

No doubt, you may have received an email soliciting manuscripts for publication in an unfamiliar journal. Before you submit or commit, make sure you do your due diligence to ensure you are publishing in a reputable, high-quality journal. It is significantly more difficult to extricate yourself from a commitment once you click through an online license or sign on the dotted line.

So, how can you protect yourself and ensure you are publishing in a relevant and reputable journal? Declan Butler, in his *Nature* article "[The Dark Side of Publishing](#)"<sup>3</sup>, provides a useful checklist for identifying reputable publishers. The following are reproduced verbatim from the original:

1. Check that the publisher provides full, verifiable contact information, including address, on the journal site. Be cautious of those that provide only web contact forms.
2. Check that a journal's editorial board lists recognized experts with full affiliations. Contact some of them and ask about their experience with the journal or publisher.

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3. Check that the journal prominently displays its policy for author fees.

4. Be wary of e-mail invitations to submit to journals or to become editorial board members.

5. Read some of the journal's published articles and assess their quality. Contact past authors to ask about their experience.

6. Check that a journal's peer-review process is clearly described and try to confirm that a claimed impact factor is correct.



7. Find out whether the journal is a member of an industry association that vets its members, such as the Directory of Open Access Journals ([www.doaj.org](http://www.doaj.org)) or the Open Access Scholarly Publishers

Association ([www.oaspa.org](http://www.oaspa.org)). [Some questionable journals appear in directories such as DOAJ and Cabell's; we don't advise using this as your sole criteria.]

8. Use common sense, as you would when shopping online: if something looks fishy, proceed with caution.

Also included here are a number of very useful links, the Directory of Open Access Journals (DOAJ), the Open Access Scholarly Publishers Association (OASPA) and variety of others. Of course, you can always contact the Harrell HSL and ask for help. You can also review previous [@Harrell.lib](https://twitter.com/Harrell.lib) newsletter articles on this topic by going to our website.

Links:

Directory of Open Access Journals  
<https://doaj.org/>

Open Access Scholarly Publishers Association  
<http://oaspa.org/>  
<http://oaspa.org/principles-of-transparency-and-best-practice-in-scholarly-publishing-2/>

Copyright, publishing, and intellectual property rights.  
<http://harrell.library.psu.edu/gradcopyright>

International Association of Scientific, Technical & Medical Publishers

<http://www.stm-assoc.org/>

"Have you recently written a paper, but you're not sure to which journal you should submit it? Or maybe you want to find relevant articles to cite in your paper? Or are you an editor and do you need to find reviewers for a particular paper? Jane can help!"

Journal/Author Name Estimator (Jane)

<http://jane.biosemantics.org/>

References:

<sup>1</sup>Kolate, G. [A Scholarly Sting Operation Shines a Light on 'Predatory' Journals](#). *New York Times*, March 22, 2017

<sup>2</sup>Sorokowski, P., Kulczycki, E., Sorokowska, A., & Pisanski, K., [Predatory journals recruit fake editor](#). *Nature*, 22 March 2017

<sup>3</sup>Butler, D., [The Dark Side of Publishing: The explosion in open-access publishing has fueled the rise of questionable operators](#). *Nature* Vol 495, 28 March 2013.



# The Grand Opening: A Renovation Celebration

Ben Hoover

Access Services &  
Instruction Librarian

On Friday, February 20th, 2017 the Harrell Health Sciences Library: Research and Learning Commons celebrated the completed renovation by holding a grand re-opening ceremony and open house featuring a keynote by Google Education Evangelist Jamie Casap.

The day started in Junker Auditorium with words from Cynthia Robinson, Associate Dean for Library and Information Services and Library Director. Ms. Robinson highlighted the planning, communication, and work that had to occur for the library renovation to be a success. Jamie Casap then gave the keynote talk on the future role of technology in education. Following the keynote, the donor wall was uncovered and attendees converged in the library commons for the ribbon cutting ceremony.

Dr. Craig Hillemeier, Dean of Penn State College of Medicine, CEO of Penn State Health, and Penn State's Senior Vice President for Health Affairs, gave the dedication. Dr. Hillemeier highlighted the value of the library, reinforcing Dr. George T. Harrell's belief that the library is at

the heart of the institution. The dean then cut the ribbon with 3D printed scissors made on one of the two 3D printers located in the new Technology Innovation Sandbox.



Slide Show: <https://www.flickr.com/photos/pennstatehershey/sets/72157679095580180>

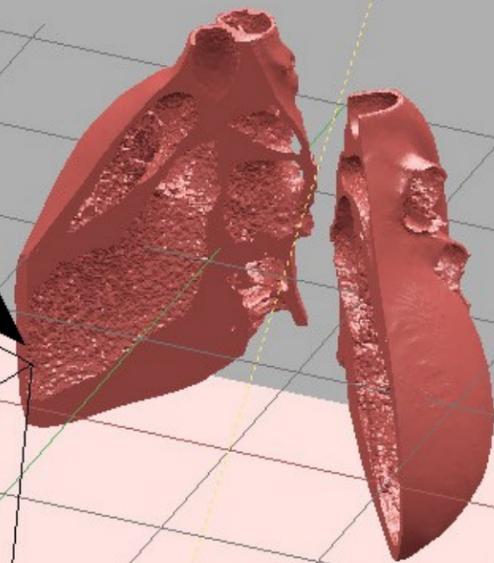
The day culminated in the library open house—a party to be sure. Attendees were offered hors d'oeuvres and were welcome to tour the renovated library spaces. Demonstrations of 3D printing and modeling, data visualization, multimedia recording/editing, software available in the library, and group study room technology were offered. The artists who created the new artwork installation *Osseous* were also on hand with images of the process of casting the sections of the sculpture.

Over 400 guests including leadership from the Milton S. Hershey Medical Center, Penn State College of Medicine, and Penn State University Libraries attended the open house and joined in festivities. Thank you to everyone who helped make the new library spaces a reality.

[Left to right: Shou-Ling Leong, Patricia Silveyra, Jaime Casap]



# New Technology in the Library: Who's using it?



[Image: Creating sections of a heart model using blender software]



Nancy Adams  
Associate Director &  
Coordinator for Education  
and Instruction

**Now that we've unveiled some new library services, we'd like to share some stories about how they're being used.**

As you read these, remember that all of these services are freely available to all Penn State Hershey students, staff, and faculty for clinical, educational, research, and personal uses. Free training is available to help you bring your ideas to reality.

## 3x3 Video Wall

Two clinical faculty used the large-scale display capability of our 3x3 video wall to enhance learning related to medical imaging. Dr. Hector Lopez used the video wall to show side-by-side comparisons of 3D and MRI brain images while teaching an outreach session for high school students interested in brain injury. On one side



were MRI images from the library's web-based e-anatomy platform, [IMAIOS e-anatomy](#). Dr. Lopez used the library's Solstice app to wirelessly connect his iPad to the video wall, allowing him to manipulate the MRI images on his iPad while walking throughout the room interacting with students rather than being tied to the podium. Juxtaposed with these images were 3D slices of the brain from the library's Visible Body platform, so that students could visually compare the images.

Similarly, in his elective course for 4th year medical students on advanced musculoskeletal imaging, Dr. Cayce Onks used the video wall while teaching students how to perform ultrasound imaging. Several ultrasound machines were set up in the room and the images from each displayed simultaneously on the video wall, which allowed learners to compare their technique with others in real time.



*"I thought being able to integrate 2 types of technologies to enhance the teaching experience was great. I was able to run my power point with live musculoskeletal scanning being displayed on the other side of the screen. I have done similar presentations at regional conferences, but that required two projectors and two screens in a large conference room. This obviously was much better quality!" -Dr. Onks*

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### One Button Studio

Dr. Patricia Silveyra and three medical students, Soraya Bascoy, Shady Piedra Abusharar, and Chavely Valdes-Sanchez, were some of the first to use our new One Button Studio (OBS) to create an exemplary product: a brief video demonstrating the difference between a trained and an untrained medical interpreter. Although the video was recorded in the OBS, they used the studio's "green screen" to insert an image of an examination room in the background, lending a very realistic look to the finished product which was produced using the library's video editing tools.

Watch video: <https://youtu.be/7FH9vSo6rJ8?t=1m45s>



*"This was my first time using the studio and it served our purpose very well...None of us had any experience using the software or the studio, but were able to film and ultimately produce a great product! The fact that it saves directly into your USB as you film was very convenient." - Mr. Piedra Abusharar*

This video, and others that are planned, will be used as part of a program that trains medical students to be medical interpreters.

### 3D Printing, Scanning, and Modeling

Bryan Stefek, MD, PGY4 Pediatric Cardiology, used technology in the library to create 3D-printed models of pediatric hearts from CT scans and MRI images. Dr. Stefek stated that the training available from library staff was an "invaluable resource."



*"I was interested in using this technology for didactic purposes-- specifically teaching families, residents, fellows, and medical students about complex cardiac anatomy. To date, I have printed 12 3D cardiac models both with normal and abnormal cardiac anatomy. I used Blender, a program which allows users to alter 3D models for eventual printing. I sliced 3D models to replicate images obtained during echocardiography." - Dr. Stefek*



Surgery resident Dr. Rachael Snow, had an idea for a surgical tool which she had been trying to model in the software Blender. Needing some assistance, she enlisted the help of Seamus Carmichael from the library for help with the software. Together they made several versions of the device using Blender and the 123D Design tool from Autocad, modelling from scratch and from vector drawings.

Blender is a free modelling and animation tool which is widely used in the 3d modelling and moviemaking community and can be downloaded from [blender.org](http://blender.org) or used in the library



*"Our discussions led to a neat collaboration and I couldn't be happier with the results. Having the printers is a great resource, but better still is having staff who are accessible, knowledgeable, and patient with new learners. I feel really lucky to be able to collaborate with the team at the library." -Dr. Snow*

For more information about technology available in the library, check out our website:

[One Button Studio](#)

[3D Printing and Scanning](#)

[3x3 Video Wall](#)

Contact

[librarytech@pennstatehealth.psu.edu](mailto:librarytech@pennstatehealth.psu.edu) or call Ryan Klinger, the library's educational technology, design, and support specialist, at 717-531-8759 to schedule free training or a consultation to discuss your ideas.

## Ben Hoover

Access Services & Instruction Librarian



### Data-viz at the library!

...Did you know that the Harrell Health Sciences Library supports data visualization. Big data and lots of data are the reality of our day. Large data sets and complex data sets are much more approachable using data visualization.

Data visualizations can be as simple as a line chart in Microsoft Office Excel or as complex as multiple data sets visualized together on an interactive dashboard.

There are also a growing number of software packages for research visualizations and visual analysis, infographics, business intelligence, and network visualizations. We can help you identify what visualization or software package works best for you and your data. The library has visualization software for you to use and experiment with including R and Tableau. We also offer weekly data visualization drop-in hours if you would like to learn more about data visualization if you have questions about a project. You can also contact me for a consultation about your specific project.

For assistance, contact us at [HER-REF@pennstatehealth.psu.edu](mailto:HER-REF@pennstatehealth.psu.edu) (717-531-8634) or connect directly with [Ben Hoover](#) (717-531-0003 x285325).

Newly Available from the Library  
Purchased - 105 new editions of  
Reserve Collection books.

105  
Books

Added this year  
8 New Journals  
plus  
BMJ Case Reports

Added the  
Visible Body  
Anatomy  
package



## Search Tip: Nutrition Resources in Pubmed



Marie Cirelli

Collection Access and Support  
Services Librarian

The National Library of Medicine's Medical Subject Headings (MeSH) are constantly evolving. Every year the NLM releases its additions and changes to the MeSH structure. Thanks to a new subject heading added this year, looking for literature on nutrition in Pubmed has gotten a whole lot easier. This past year the subject heading "Diet, Food, and Nutrition" was added to MeSH. Previous searches in Pubmed required the searcher to combine multiple subject headings to cover all fields of nutrition. If you take a look at the [MeSH record](#) for "Diet, Food, and Nutrition" you can see all of the subjects headings that fall beneath it. Older articles indexed with MeSH that have now been moved underneath "Diet, Food, and Nutrition" can now be found using this new subject heading (U.S. National Library of Medicine, 2017). It is important to note that some subjects that will be left out of this search include vitamins, chemicals, obesity, and many plant foods. This is because many articles on those

topics are not food or nutrition related. However, you can combine the appropriate MeSH for those subjects with "Diet, Food, and Nutrition" or any of the subject headings that fall underneath it (Rumsey, 2016a, 2016b; Schulamn, 2016). If you are an advanced searcher and would like to explore some advanced techniques on searching for plant-based foods in Pubmed, I highly recommend this [blog post](#) from the University of Iowa Libraries (Rumsey, 2016b). It is important that if you are using MeSH to search Pubmed to look in the MeSH records to see what you are actually searching—what you are leaving out, what you are bringing in. Always remember that your librarians are here to help you find the best literature on your topic.

U.S. National Library of Medicine. (2017, 2018-01-11). Frequently Asked Questions about Indexing for MEDLINE. Retrieved from <https://www.nlm.nih.gov/bsd/indexfaq.html>

Rumsey, E. (2016a, 2016-03-18). Diet, Food, and Nutrition - How To Search in PubMed. Retrieved from <http://blog.lib.uiowa.edu/needtoknow/2016/03/18/food-diet-nutrition-how-to-search-in-pubmed/>

Rumsey, E. (2016b, 2016-03-18). Plant-Based Foods – An Inclusive PubMed Search - Revised 2016. Retrieved from <http://blog.lib.uiowa.edu/needtoknow/2016/03/18/plant-based-foods-an-inclusive-pubmed-search-revised-2016/>

Schulamn, J. (2016). Whats New for 2016 MeSH. *NLM Technical Bulletin*, Nov-Dec(407), e9. Retrieved from [https://www.nlm.nih.gov/pubs/techbull/nd15/nd15\\_mesh.html](https://www.nlm.nih.gov/pubs/techbull/nd15/nd15_mesh.html)

## What we're doing:

**Nancy Adams** attended the Association of College and Research Libraries' Biannual Conference March 22nd to 25th and presented as poster and a contributed paper:

N. Adams, M. Gaffney, and V. Lynn. (2017). "What Counts as Knowledge? Concrete Examples of an Abstract Concept from the Framework for Information Literacy." [Paper]. 2017 Association of College and Research Libraries Conference, Baltimore, MD.

American Association of Health Sciences Libraries' Task Force on Competency-Based Medical Education. (2017). "Can I Trust You? Librarians' Involvement with Competency-Based Medical Education." [Poster]. 2017 Association of College and Research Libraries Conference, Baltimore, MD.

**Ryan Klinger** attended PETE&C (Pennsylvania Educational Technology Expo and Conference) from February 12th to 15th.



# BMJ CaseReports

The Harrell Health Sciences Library, in partnership with Penn State University Libraries, has facilitated access to the BMJ Case Reports with the purchase of an "Institutional Fellowship". Instead of the typical subscription, this new model of publication provides:

- Access to published cases (beginning 2008)
- Permission to re-use content (within the institution) for teaching purposes
- Opportunity to submit cases for publication from the entire Penn State community (to include faculty, staff, residents, students) with NO additional publication charges

You can access the journal content via the [Harrell Library home page](#) or go directly to [http://mk3kg9qj3t.search.serialssolutions.com/?V=1.0&N=100&L=MK3KG9QJ3T&S=I\\_M&C=1757-790X](http://mk3kg9qj3t.search.serialssolutions.com/?V=1.0&N=100&L=MK3KG9QJ3T&S=I_M&C=1757-790X)

Information regarding manuscript submission requirements can be found at <http://casereports.bmj.com/site/about/guidelines.xhtml>. Please contact your [liaison librarian](#) for the "fellowship code" that is required at the time of submission, or if you have questions regarding this new resource.

Does it cost money?

Do you own it?

What can you do with what you find online?

Do you need to get permission?

Can you use it?

**LET'S TALK ABOUT COPYRIGHT!**

For help to sort this out, contact Esther Dell 717.531.8633 or [eyd1@psu.edu](mailto:eyd1@psu.edu)

# Art in Medicine: *Osseous Sculpture*

Why consider art for an academic medical center? We at Center Stage Arts in Health believe that the arts are an integral part of health and well-being. Chosen thoughtfully, performing and visual arts inspire and connect us. They can enhance the patient and caregiver experience as well as the employee and learner experience.

Take, for example, the recently installed sculpture in the Harrell Health Science Library: Research & Learning Commons. *Osseous* hangs on the wall in the spiral staircase above our Technology Sandbox. This nine-foot by nine-foot, striking sculpture is an artistic rendition of magnified human bone tissue, made from coated, sand-cast aluminum. The Public Art Committee, which is our institution's mechanism for commissioning art, envisioned a piece of art that would find ways to connect all learners and modern technology through time. Enter Philadelphia artists Kate Kaman and Joel Erland.

Kate and Joel chose to emulate human bone tissue which, in their words, "is the major



structural and supportive connective tissue of the body. Its complex organic geometries are both beautiful and strong." They began with a detailed three-dimensional laser scan of actual bone tissue, used 3-D imaging to create hundreds of foam sections and sand-casted them. Once cast, the aluminum pieces were welded together and finished with a powder coating. What results is a magnificent piece that represents commonality amongst all humans – bone tissue, scientific technology, and an educational, original process.

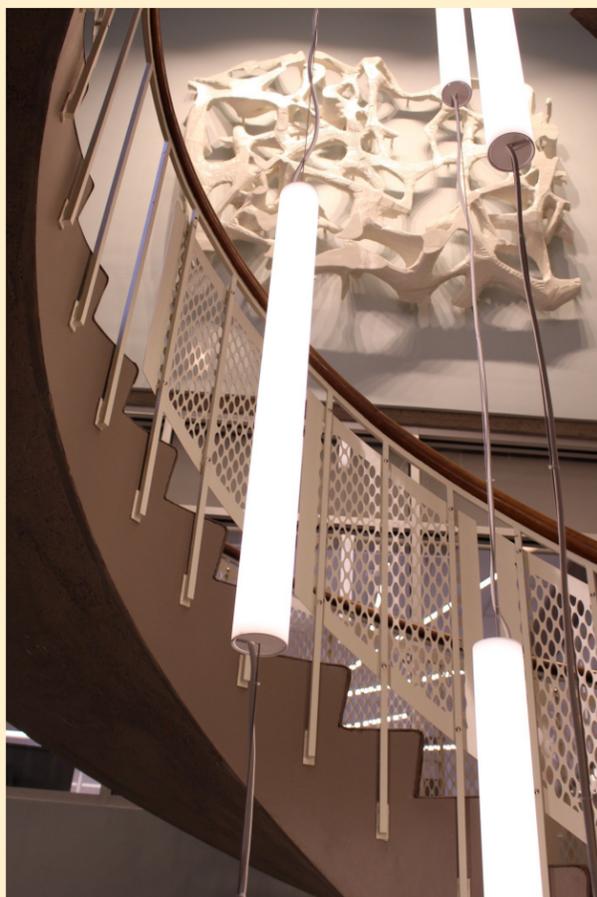
The American Association of Public Art states that the ideal public art commission ... "seek[s] out the most imaginative and productive affini-

ty between artist and community." *Osseous* has forged such affinity in our College of Medicine community. We marvel at Kaman's and Erland's ingenuity as we marvel at that of our healthcare providers and students. Welcome, *Osseous*!

For images and locations of our growing collection of Public Art, go to: <https://sites.psu.edu/centerstage/commissioned-art/>

For more about other Center Stage Arts in Health programs, go to: <https://sites.psu.edu/centerstage/>

-Claire de Boer  
Director of Center Stage Arts in Health, Department of Humanities, Penn State Hershey Medical Center and College of Medicine



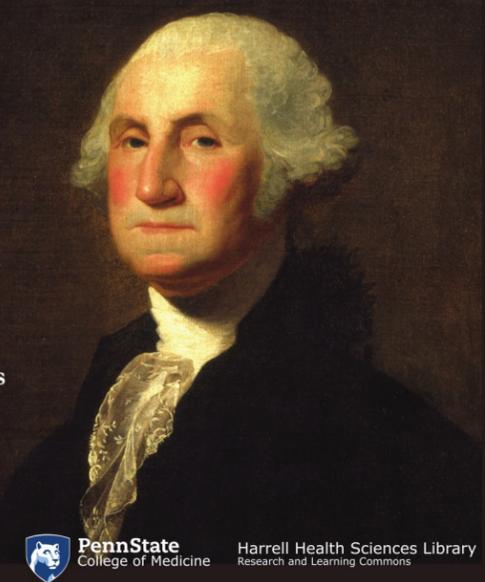
# Upcoming Events

## EVERY NECESSARY CARE & ATTENTION

GEORGE WASHINGTON  
& MEDICINE

At the Harrell Health Sciences Library: Research and Learning Commons  
from March 13th to April 22nd, 2017

Explore the world of Colonial Medicine with these Resources  
available from Penn State Libraries



PennState College of Medicine Harrell Health Sciences Library Research and Learning Commons

## SAVE THE DATE Free NCBI WORKSHOPS

Led by trainers from The National Center for Biotechnology Information

May 24<sup>th</sup>  
& 25<sup>th</sup>

### Topics include

Navigating NCBI Molecular Data

A Practical Guide to NCBI BLAST

NCBI Human Variation and Medical Genetics Resources

Gene Expression Information at the NCBI



Lecture Room D (C7619), College of Medicine

To register contact Robyn Reed - rreed4@hmc.psu.edu



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