

@Harrell.lib

The Official Newsletter of the Harrell Health Sciences Library: Research and Learning Commons

July 2018

**Library Faculty Reach Out
to the Community** Page 3

**Rare piece of medical history
at the library** Page 5

Tech Sandbox plays role in award Page 11

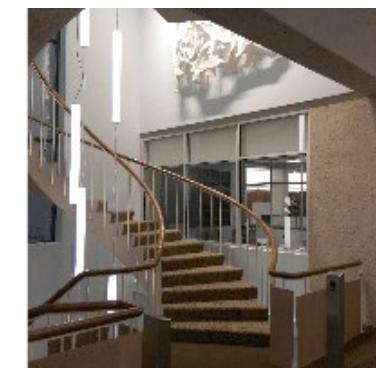
Day of Making

**Mimics inPrint
available**

**Welcome new library staff
Medical marijuana resources**

2

Director's Note:
Welcome to a new year!



3

**Library faculty reach out
to the community**

5

Rare piece of medical history at the library
Welcome new library staff

7

**Medical marijuana resources now
available**

8

Mimics inPrint available at the library

9

Day of Making: Coming in August!

11

Tech Sandbox plays role award
What we're doing



13

Upcoming events



Cynthia Robinson
**Director's
Note**

A new academic year begins...

Welcome to the 2018-2019 academic year!! It's always a pleasure to see so many familiar faces returning for another

"Welcome to the 2018-2019 academic year!!"

year. We also want to extend a warm welcome to the incoming medical, physician assistant and graduate students, as well as recently hired faculty and staff. As always, there are number of changes. We are finishing the renovation of the second floor "Quiet Study" space, which completes the final phase of the overall renovation of the Harrell Health Sciences Library. We have installed new carpeting, acquired all new furniture, added approximately 90 self-serve lockers, and built an

experimental classroom. The classroom includes huddle tables, 4 HTC Vive Pro Virtual Reality headsets, a Zoom enabled adjustable camera, Solstice wireless display, and seating for 25. This room will be available to students when not in use for educational purposes. We believe we have created welcoming spaces that truly support teaching and learning, research, discovery and innovation.

The Harrell HSL provides access via our [website](#) to an extensive collection of electronic journals, a large number of e-books, and a variety of databases and other e-resources

including Web of Science, DynaMed, UpToDate, ExamMaster, Isabel, Access Medicine, and the Cochrane Library. The library also maintains a small print collection. If we don't have something you need, we can get it through [interlibrary loan](#). Library faculty provide search expertise, are available to answer your questions at the research help desk between 9am and 5 pm weekdays(717-531-8634) or via [email](#), and provide customized instruction and workshops to help empower you to find the information you need, when and where you need it. We invite you to stop in and take advantage of our expertise, extensive collections, new space, and of course, just to say hello!



Library Faculty Reach Out to the Community



Amy Knehans
Clinical Outreach, Liaison & Instruction Librarian



Marie Cirelli
Collection Access & Support Services Librarian

"Libraries have moved far beyond just being book repositories. They're agile institutions serving real-life needs. Libraries are the key to powering progress and elevating the quality of life in Pennsylvania by fueling the types of knowledge essential to success" (PA Forward, 2018). Librarians are working in tandem with other state partners to help Pennsylvania residents manage their own well-being and be effective partners with their healthcare providers. After all there is no evidence based medicine without the patients' values being a part of the equation. Health consumers or patients need



to know that it is the clinician's expertise combined with their values that will help them to make informed decisions. Patients desire to be respected and have a conversation that can help them make informed decisions, but that conversation is not always easy. Therefore, librarians have set out to help them to become engaged in their health. PA Forward, a statewide initiative under the PA Library Association has identified 5 essential literacies, one of which is health literacy. Libraries can provide spaces and services that are crucial to a vibrant and healthy community.

In April 2018 HSL librarians Amy Knehans, Marie Cirelli, and Brad Long, along with COM student Kate Levenberg and standardized patient Heidi Zwyghuizen presented to a group of volunteers for the Pennsylvania Department of Aging's Volunteer Conference at the Penn Stater Convention Center in State College, PA. There were about 80 people in attendance. The conference was entitled, "Celebrating Volunteers: Appreciating YOU." The one hour workshop provided by the HSL first introduced participants to resources that can help to improve nutrition, sleep/rest, manage stress, and assist in better time management. These

resources can be easily accessed from the library's home page by clicking on [Consumer Health](#). Here consumers/patients can find good information on health topics, drug information (such as drug/food/



herbal interactions) and tools to help with understanding lab test results, comparing hospitals and their quality, shopping for affordable care, and making informed decisions about their healthcare.

The second part of the workshop included the interactive program, **Engage for Health**, which was put together by the Hospital & Health System Association of Pennsylvania and its Pennsylvania Hospital Engagement Network. The program offers a series of tools to conduct a community education program on taking an active role in health care. During the program, participants wit-



nessed a patient/clinical interaction that was intended to demonstrate how to ask the right questions and be more involved in their healthcare.

In 2016 the Pennsylvania Library Association and the National Network of Libraries of Medicine, Middle Atlantic Region partnered with HAP, the NNLM Evaluation Office, and the Agency for Healthcare Re-



search and Quality (AHRQ) to update the program and pilot it in 16 libraries across PA. Here is a link to the [program](#). AHRQ included PA Libraries in the April 2017 [Patient Safety Case Study](#).

If you need more information to give to your patients or loved ones on "talking with your doctor" you can send them to the [MedlinePlus topic page](#). For more information on Pennsylvania library and state partnerships see PA Forward's [partner list](#).

References:
PA Forward [http://www.paforward.org/
Home/PoweringProgress/
WhatIsPAForward.aspx](http://www.paforward.org/Home/PoweringProgress/WhatIsPAForward.aspx)

Collection Highlight:

Rare Piece of Medical History at the Harrell Library

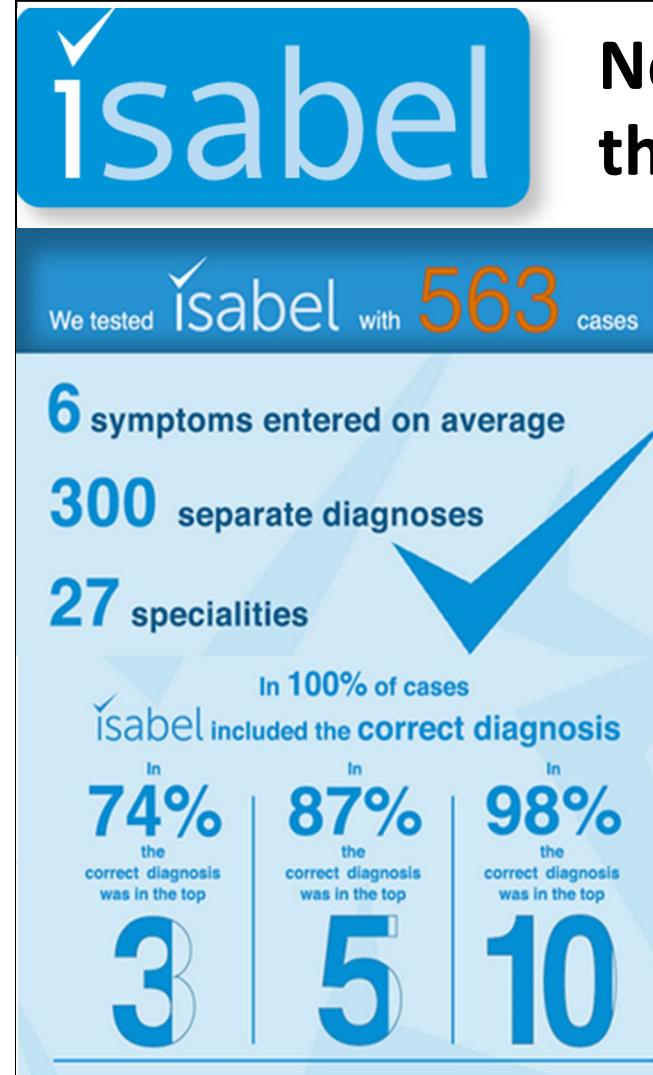


Watch video: <https://youtu.be/NOwqacW5QiM>

Welcome New Library Staff:



We welcome Eliza Donne, our new Multimedia Specialist, to the Harrell Health Sciences Library. Eliza earned a degree in Interactive Multimedia at The College of New Jersey, where the curriculum included a mix of game design, interaction and graphic design, programming, animation, and writing. She previously worked as an Interactive Developer and Technical Lead at Educational Resource Systems. In her role there she built medical education eLearning modules in various formats from websites to iOS apps. Eliza will be working with faculty to transform their learning material into online-accessible eLearning programs, and will also provide consultations on the most effective type of multimedia to use with specific material, how best to organize content for eLearning, and other multimedia needs or questions as they arise.



New DDX tool free from the Library!

When Should I Use Isabel?

- ✓ Diagnostic dilemma
- ✓ LOS greater than 24hrs with no diagnosis
- ✓ Pt not responding to Tx
- ✓ ED readmit
- ✓ During rounds
- ✓ ED LOS >6 hours – with plan to d/c home.
- ✓ ED 2nd visit – with plan to d/c home

MUSCULAR SYSTEM > Muscles of the arm > Brachialis > Head-supinator muscle

Virtual Reality Monday Drop-in, 12-1PM

Join Michael Cote at Lunchtime on Mondays for a FREE introduction to Virtual Reality. Explore the immersive world of VR with games and learning environments that put you in the middle of the human body or in an underwater scenario. Learn how to use the Library's HTC Vive, and Google Cardboard.

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

Medical Marijuana Resources Now Available

With an increasing number of states legalizing the use of medical marijuana, physicians can expect to see more of their patients either using medical marijuana or asking about using it. To support the education of health care providers on this topic, the library recently acquired a number of books on the subject:

Medical cannabis: basic science & clinical applications: what clinicians need to know and why by Gregory L. Smith (2016)

Cannabis extracts in medicine: the promise of benefits in seizure disorders, cancer and other conditions by Jeffrey Dach (2015)

Handbook of cannabis by R. G. Pertwee (2014)

Cannabis pharmacy: the practical guide to medical marijuana by Michael Backes (2014)

Other books available through the Penn State libraries on this issue include both print and ebooks:



Lori Snyder

Collection Development & Digital Resources

The health effects of cannabis and cannabinoids: the current state of evidence and recommendations for research by the National Academies of Sciences, Engineering, and Medicine (U.S) (2017)

Cannabis for chronic pain: a proven prescription for using marijuana to relieve your pain and heal your life by Rav Ivker (2017)

Stoned: a doctor's case for medical marijuana by David J. Casarett (2015)

Marijuana: a reference handbook by David Newton (2013)

Medical marijuana by Noel Merino (2011)

Endocannabinoids: the brain and body's marijuana and beyond by Emmanuel Onaivi (2006)

Come check out these materials at the library! If you have suggestions for other additions, please contact our Collection Development Librarian, [Lori Snyder](#).

Mimics inPrint Available at the Library

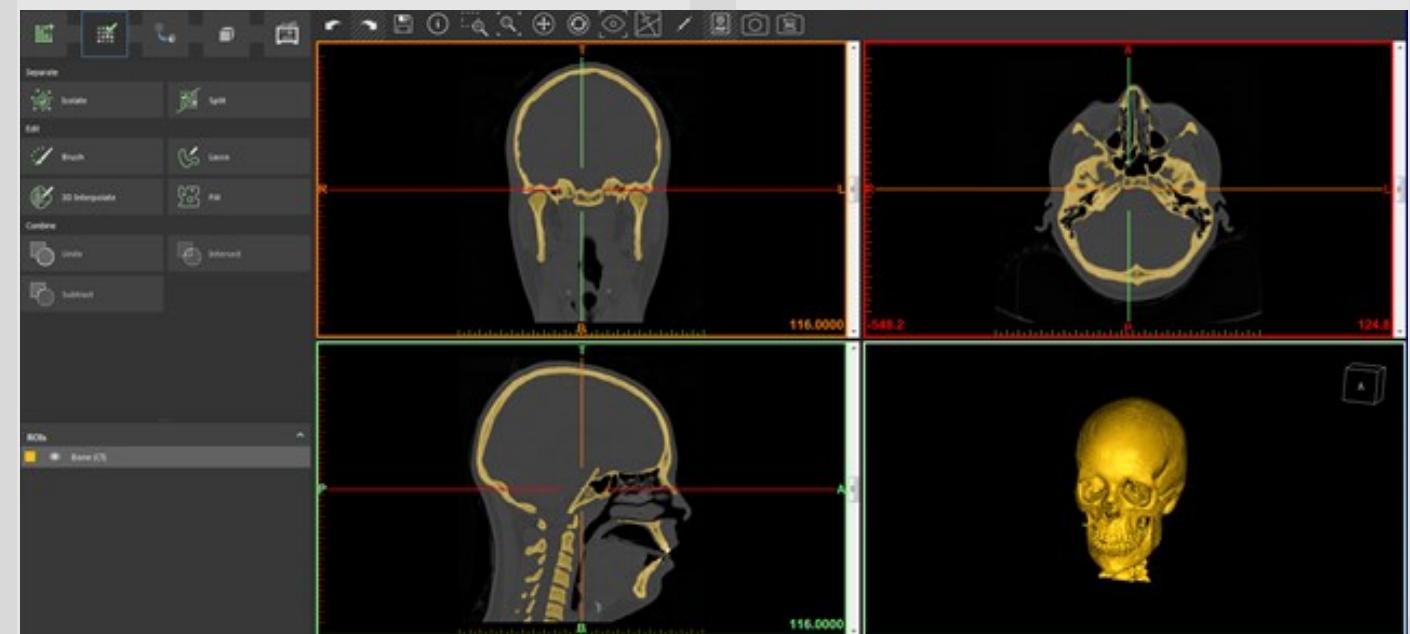


Michael Cote

Educational Technology, Design and Support Specialist

The library has purchased a copy of Mimics inPrint from Materialise, and it is available for all Penn State College of Medicine and Penn State Health Milton S. Hershey Medical Center faculty, staff, and students. Mimics inPrint allows users to go from DICOM to a 3D model in minutes, and has been used to create several of the models in the library's Technology Innovation Sandbox.

Once your CT or MRI image set has been uploaded to the program, generating a model takes a few steps, but the wizards guide you through it. Within the program, you can adjust the threshold to isolate the correct tissue, crop out the unnecessary anatomy, and fill in any gaps. With a little fine-tuning, you can generate a



clean 3D model to be exported as an .stl file. Once you have the .stl, send it to our 3D printers and print it in either hard plastic (PLA) or a more flexible material (TPU).

Even with the wizards, Mimics can get a little confusing, so the library will be hosting [workshops](#), starting in August. These workshops will go over the basics, and allow you to walk away with a 3D model of any CT or MRI scan you bring.

If you'd rather have one-on-one support, email Library-Tech@pennstatehealth.psu.edu to schedule an appointment with our Educational Technology Support Specialist.



Day of Making: Coming in August!



Example of a 3D model created in Blender

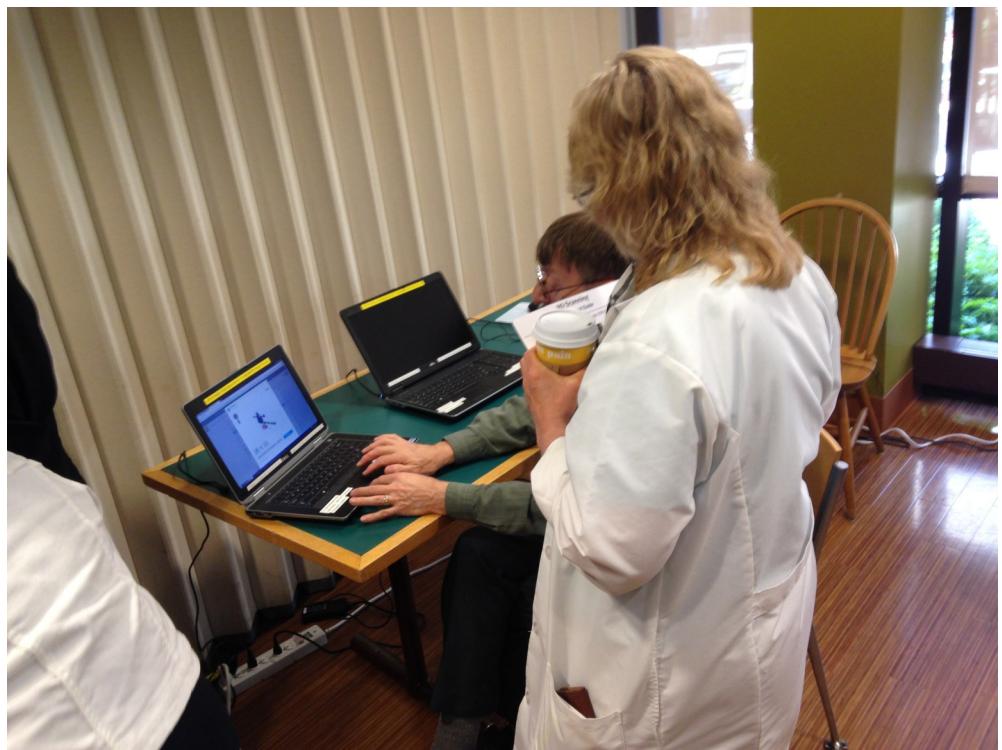
Virtual Reality: Have you ever been inside of a beating heart? How about a lung during an asthma attack? Do you sometimes wish you could just sit on a shipwreck at the bottom of the ocean and watch whales swim by? In virtual reality, you can do all of those things and more. Everyone who stops by the Day of Making will get a chance to experience some of the truly exciting virtual reality applications that are available for you to use at the library.

3D Modeling: Do you have a great idea that you would like to see printed or brought into virtual reality? Stop by the 3D modeling table and let us help you get started in developing your own digital

3D models. We will have software for you to try out including TinkerCAD, Blender, and Solidworks. All programs are available in the library for faculty, staff, and students.

Data Visualization: Do you wish your charts or graphs looked more appealing and caught more attention? Check out our data visualization station and learn about the software available in the library and the proper techniques when choosing a data display.

Dr. Dino Ravnic, MD, Department of Plastic Surgery will be a guest speaker at 12pm. Don't miss out on learning about any of this great technology and all of the resources the library has to offer. Bring your ideas for projects or just come to see what our campus community has made on August 29th!



Seamus Carmichael demonstrating 3D modeling software

The Technology Sandbox Plays a Role in Award Winning Capstone Projects



Michael Cote
Educational Technology, Design
and Support Specialist

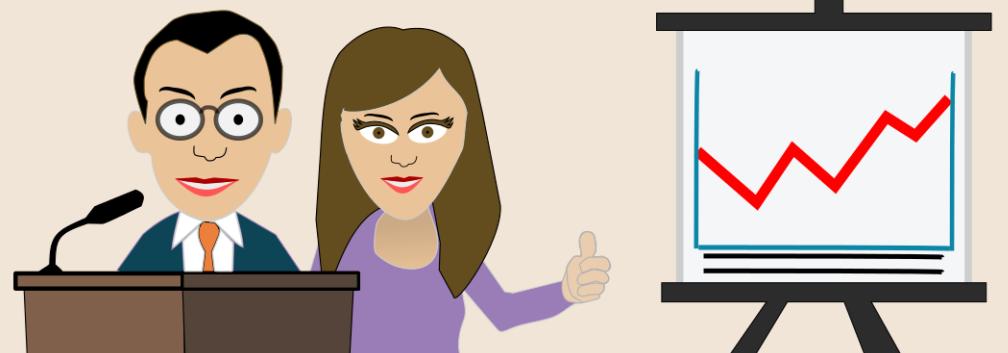
Every year, students in the Penn State Harrisburg School of Science, Engineering and Technology complete capstone projects as part of their graduation requirements. This spring was unique, in that two groups of students, who were interning at the Penn State College of Medicine, used the Harrell Health Sciences Library 3D printers to complete their projects and both groups won awards.

The James A. Andrews Memorial Award for Excellence in Capstone Design, and Mechanical Engineering, Mechanical Engineering Technology was awarded to one group for their project, *Personalized 3D Printed Implant for Pediatric Oncology Bone Loss*. The students designed a structural replacement for a cancerous bone segment, and printed their design here in the library.

The Multi-Disciplinary Project Award went to a 3D Scanning Drone designed by the second group. Students developed a quadcopter drone to 3D scan objects in flight and then transfer the images wirelessly to a computer that creates a 3D model.

More information on these two projects and several of the other Penn State Harrisburg projects can be found by going to the [Penn State Harrisburg News](#) page.

What we're doing!



Lori Snyder, Xiaoyu Sun, Cynthia Robinson, and Bradley Long presented a poster entitled "Implementation of a Cloud-based Self-checkout System at a Health Sciences Library" at the Medical Library Association 118th Annual Meeting & Exhibition, May 19-23, 2018, in Atlanta, GA.

Robyn Reed will co-present "Researcher Impact and Bibliometric Initiatives at Penn State" at the 2018 Bibliometrics and Research Assessment Symposium at the National Institutes of Health in August 2018. (presenters: Janet Hughes and Nancy Butkovich, University Libraries, Penn State).

Robyn Reed will co-present "Penn State College of Medicine Scholarly Output and Bibliometrics" at the 2018 Bibliometrics and Research Assessment Symposium at the National Institutes of Health in August 2018. (presenters: Joan Concilio and Sarah Bronson, College of Medicine, Penn State)

Ben Hoover is attending the Penn States Excellence in Management summer program.

A traveling exhibition from the National Library of Medicine

BINDING WOUNDS PUSHING BOUNDARIES

African Americans in Civil War Medicine

In the Harrell Health Sciences Library

August 20th, 2018 - September 29th, 2018



Oak Leaves on His Shoulders:
Discovering the African American Civil War Surgeon

A talk by Jill L. Newmark

September 7th, 2018
12:00 PM to 1:00 PM

A journey of discovery introducing three of the fourteen African Americans who served as surgeons during the American Civil War and how their stories are revealed through their service at one hospital in Washington, D.C.

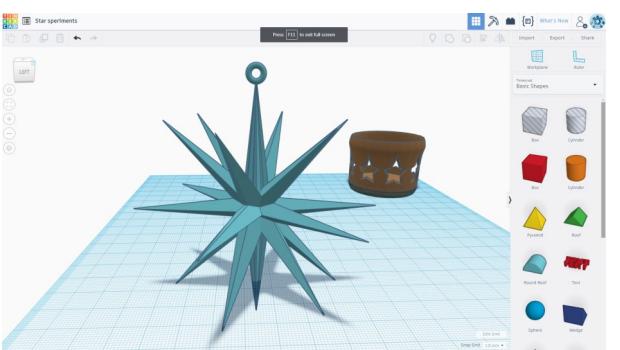


Jill L. Newmark is an exhibition specialist and curator at the US National Library of Medicine (NLM) at the National Institutes of Health. She has worked in the History of Medicine Division of NLM for the past 15 years where she is conducting research on African American medical personnel that served during the American Civil War. She has curated a number of exhibitions including "Binding Wounds, Pushing Boundaries: African Americans in Civil War Medicine" and has authored articles that have appeared in historical publications and blogs. She is currently working on a book on African American Civil War Surgeons.



Upcoming Events

Check out the library's [Events Calendar](#)



Introduction to 3D Printing at the Library

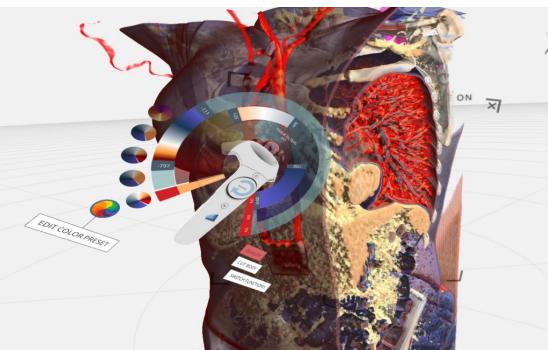
Date: Monday, July 30, 2018

Time: 12:00pm - 1:00pm

Location: Library Technology Sandbox

Led by Michael Cote; an introduction to the world of 3D printing. Participants will be able to search free online repositories for premade 3D designs, edit them in TinkerCAD, and successfully prepare a file to be sent to the library 3D printers.

[RSVP to this event](#)



Explore Virtual Reality

Date: Monday, August 6, 2018

Time: 12:00pm - 1:00pm

Location: Library Technology Sandbox

Would you like to step inside of a beating heart, or explore the darkest depths of the ocean? If so, you should stop by the library's Technology Sandbox to try out our virtual reality system. **Michael Cote** will be there to help you get started. Feel free to explore any of our educational apps, or spend your lunch break playing anyone of our VR games. No registration needed.



Using Medicalholodeck to View CT and MRI Scans in Virtual Reality

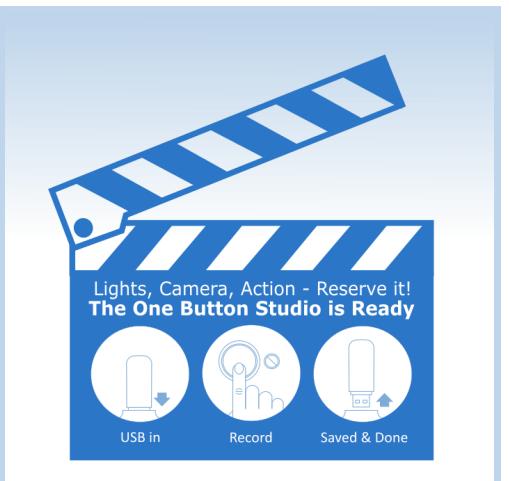
Date: Wednesday, August 8, 2018

Time: 12:00pm - 1:00pm

Location: Library Technology Sandbox

Led by Michael Cote; an introduction to Medicalholodeck; an application that provides the opportunity to view and edit CR and MRI scans in virtual reality. Participants will learn how to access the program, load image sets, and modify the scans.

[RSVP to this event](#)



Using the One Button Studio and iMovie to Create a Video

Date: Wednesday, August 1, 2018

Time: 12:00pm - 1:00pm

Location: C1620L

Led by Michael Cote; learn how to use the One Button Studio and iMovie to create videos. You will create a project from start to finish! Participants will be able to record a video using the One Button Studio and transfer it to another computer for editing; use the green screen feature while recording and remove it during editing; use the basic editing features in iMovie such as trimming, video filters, transitions, and text; and export a video to a master file ready for distribution to an audience.

[RSVP to this event](#)



Access Medicine for Teaching and Learning: Online Seminar thru ZOOM

Date: Wednesday, August 22, 2018

Time: 12:15pm - 12:45pm

Location: <https://psu.zoom.us/j/574446929>

Led by Lori Snyder; Access Medicine, available through the Harrell Health Sciences Library, is a suite of online educational resources for medical students and residents available on and off campus free of charge. Choose from the full content of textbooks in many specialties, flashcards, review questions, case files, differential diagnosis tools, and many other tools that you can integrate into your study and teaching. Lori Snyder will give you a tour of this resource and you will walk away with new ideas for using Access Medicine.

[RSVP to this event](#)



LWW Clerkship Collection: Supporting Students on Rotation

Date: Wednesday, August 1, 2018

Time: 12:00pm - 1:00pm

Location: Library Technology Sandbox

Led by Ben Hoover; learn more about this exciting new collection of e-books and tools in support of student clerkship experiences.

[RSVP to this event](#)



EndNote Web Basics at University Park Campus

Date: Tuesday, September 11, 2018

Time: 12:00pm - 1:00pm

Location: UPP Suite 304-Seminar 1

Led by Brad Long; EndNote Web saves time by properly formatting your citations. Learn how to import references from PubMed and Google Scholar and then use Cite While You Write to insert citations into your document and create a bibliography. EndNote Web is FREE!

[RSVP to this event](#)



PennState
College of Medicine

Harrell Health Sciences Library
Research and Learning Commons

Visit us on the Web: med.psu.edu/library

Feedback is welcome! Email the editor: [Marie Cirelli](mailto:Marie.Cirelli@psu.edu)

Graphics by Seamus Carmichael