Introduction to the Health Sciences Library System

Barbara Epstein, Director
Renae Barger, Associate Director
Ansuman Chattopadhyay, Assistant Director
Three Library Systems at the University of Pittsburgh

HSLS
Health Sciences Library System

ULS

PITT LAw
UNIVERSITY OF PITTSBURGH
Falk Library of the Health Sciences

Our Location: 2nd floor, Scaife Hall
Current Space: Renovations Underway

Where are the books and journals?
Future Space

• New Rare Book Room (Ready Winter 2019)
• More Small Group Rooms
• 60 seat classroom
  • Flexible space
  • Partition for 40/20 split
• Digital Sandbox
• Combined Service Desks
• Medical Humanities Reading Room
Virtual Front Door: www.hsls.pitt.edu
Graphic Medicine

“The Art and Science of Science Comics”

Jay Hosler, PhD, Juniata College

Tuesday, August 27, 2019
11:30 a.m. – 12:30 p.m.

Scaife Hall, Room 1104 (11th Floor Conference Center)
Research and Instruction Support

Renae Barger
Associate Director for Research, Instruction and Clinical Information Services
Meet Your Liaison

[Images of various individuals]
Co-investigators on Grants, Guidelines & Systematic Reviews

The IOU Consensus Recommendations for Empirical Therapy of Cystitis in Nursing Home Residents.

Association Between Palliative Care and Patient and Caregiver Outcomes: A Systematic Review and Meta-analysis
IACUC Support
www.hsls.pitt.edu/iacuc-support

3R
Replace
Replace animal studies with other methods
Reduce
As many trials as required, as few as possible
Refine
Minimize stress of study animals
Data Services
www.hsls.pitt.edu/data-services

- Write a data management or sharing plan
- Comply with data sharing policies
- Organize & describe your research data or files
- Identify appropriate data repositories
- Create effective data visualizations
- Locate existing datasets for reuse
- Preserve your data/files for long-term access

Icons: www.flaticon.com
Pitt Data Catalog
https://datacatalog.hsls.pitt.edu/

Want to increase the reproducibility of your research by sharing your data with colleagues? Required by federal or publisher mandates to make your data available? Looking for data to use in your own research or to test software?

Tell us about your research data and how you want people to access it
We’ll create an online record that describes your data
This record is indexed by Google Dataset Search, so it’s discoverable around the web
But the catalog only DESCRIBES your data, so it stays safe with you.

Share and Find Data
Scholarly Communication: Publishing

For help with publishing

• Select the right journal
• Know your copyrights
• Avoid predatory journals
• Comply with Public Access policies
• Use Open Access to your advantage

Best practices

http://hsls.libguides.com/scholarlycommunication/publishing
Customized Instruction for Your Department or Class

- From Protocol to Publication
- EndNote for Research Teams
- Managing Data for Comprehensive Lit Reviews: DistillerSR
- Are You Using Retracted Information?
- Locating and Citing Research Data
- Box for Storing and Sharing Data
- Exploring and Cleaning Data with OpenRefine
- Beyond Beginner Workshop: Getting Going with Pandas in Python
- Responsibly Reusing Data
- Writing Good READMEs
- Version Control
- Hands-on Git

https://hsls.pitt.edu/instruction/class-catalog
Virtual Reality at Falk Library

**VR EQUIPMENT**
Two Windows Mixed Reality Headsets
VR-dedicated computers and play space

**AVAILABLE SOFTWARE**
3D Organon VR Anatomy: VR anatomy atlas
MedicalHolodeck: View images from MRI and CT-scans

**TEACHING WITH VIRTUAL REALITY**
See the Technology Help Desk about options for integrating VR into your curriculum.

**DEMOS**
Students are shown how to use a particular program.

**ASSIGNMENTS**
Give students an in-library assignment based on VR software.

**STUDY AIDS**
Encourage students to use VR programs to supplement studying.
Falk Library: Technology Help Desk

TECHNOLOGY AVAILABLE FOR BORROWING

- MacBooks
- Dell Laptops
- Surface Pros
- Phone Charging Cords
- Laptop Charging Cords
- Mobile Power Banks
- Headphones
- Display Adapters
- VR Equipment

AND MORE!

POPULAR TECHNOLOGY:

Adobe Creative Cloud on Surface Pros

Touch-enabled Surface Pros equipped with full versions of Adobe Creative Cloud 2018 are available to borrow.

Borrow with a Surface Pen for tablet drawing.

Unfamiliar with Adobe programs?

We offer Photoshop or Illustrator instruction for your small group tailored to your research/educational needs.
MolBio Information Service

Ansuman Chattopadhyay, PhD
Assistant Director for Molecular Biology Information Services
MolBio Information Service

- Software Licensing
- Bioinformatics Training Workshops
- Web Tools
- Consultations
### Fall 2019 HSLS MolBio Workshops

Scaife Hall, Falk Library, Classroom 2

<table>
<thead>
<tr>
<th>Date</th>
<th>Workshop Title</th>
<th>Details</th>
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</thead>
<tbody>
<tr>
<td>4th</td>
<td>Single Cell RNA-Seq</td>
<td>10-11am Genomics Research Core, 11am-12pm Overview, 1-3pm Hands-On</td>
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<tr>
<td>11th</td>
<td>ChIP-Seq &amp; CLC Genomics</td>
<td>10am-12pm Overview &amp; 1-3pm Hands-On</td>
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<tr>
<td>25th</td>
<td>Pathway Analysis—IPA &amp; MetaCore</td>
<td>10am-12pm Overview &amp; 1-3pm Hands-On</td>
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<td>2nd</td>
<td>Bulk RNA-Seq</td>
<td>10-11am Genomics Research Core, 11am-12pm Overview, 1-3pm Hands-On</td>
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<tr>
<td>9th</td>
<td>Pathway Analysis—Open Access Tools</td>
<td>10am-12pm Overview &amp; 1-3pm Hands-On</td>
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<tr>
<td>23rd</td>
<td>ChIP-Seq &amp; Partek Flow 1-4pm</td>
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<tr>
<td>30th</td>
<td>Gene Regulation 1-4pm</td>
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<tr>
<td>6th</td>
<td>Single Cell RNA-Seq</td>
<td>10am-12pm Overview &amp; 1-3pm Hands-On</td>
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<tr>
<td>13th</td>
<td>Gene Expression Visualization 1-4pm</td>
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<tr>
<td>20th</td>
<td>Pathway Analysis—IPA &amp; MetaCore</td>
<td>10am-12pm Overview &amp; 1-3pm Hands-On</td>
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<td>11th</td>
<td>Genetic Variation</td>
<td>10am-12pm Overview &amp; 1-3pm Hands-On</td>
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Descriptions & Registration: [http://www.hsls.pitt.edu/calendar](http://www.hsls.pitt.edu/calendar)
"How To" Talks by Post Docs

14 videos • 232 views • Last updated on Apr 5, 2018

"How-To Talks by Postdocs" are a collaboration between the HSLM Molecular Biology Information Service (MBIS), the Center for Postdoctoral Affairs in the Health Sciences, and any postdoc at the University of Pittsburgh conducting biomedical research.

Modeled after the MBIS workshops, instructors teach a 1-2 hour workshop in a computer classroom located in Falk Library. The topic can be ANYTHING related to health sciences, not specifically molecular biology or bioinformatics, as long as the talk is in a "how-to" style rather than a seminar. The MBIS works with postdocs to create a workshop that is a positive teaching experience for the postdoc, as well as instructive to attendees, who range from grad students to fellow postdocs to PIs to lab techs to clinicians. Although taught by postdocs, attendance at the workshops is open to one and all.
www.hsls.pitt.edu/molbio

Life Sciences Search Engine

Search bioPreprint

Infobooster: Connecting texts with the databases
Molecular Biology Information Service: an innovative medical library-based bioinformatics support service for biomedical researchers

Ansuman Chattopadhyay, Carrie L Iwema, Barbara A Epstein, Adrian V Lee, Arthur S Levine

Abstract

Biomedical researchers are increasingly reliant on obtaining bioinformatics training in order to conduct their research. Here we present a model that academic institutions may follow to provide such training for their researchers, based on the Molecular Biology Information Service (MBIS) of the Health Sciences Library System, University of Pittsburgh (Pitt). The MBIS runs a four-facet service with the following goals: (1) identify, procure and implement commercially licensed bioinformatics software, (2) teach hands-on workshops using bioinformatics tools to solve research questions, (3) provide in-person and email consultations on software/databases and (4) maintain a web portal providing overall guidance on the access and use of bioinformatics resources and MBIS-created web tools. This paper describes these facets of MBIS activities from 2006 to 2018, including outcomes from a survey measuring attitudes of Pitt researchers about MBIS service and performance.

www.hsls.pitt.edu/molbio
thank you!

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