

**EVENTOS**

XVI Jornadas CRAI

**2018**



Digital Scholarship at Brown University



**crue**

Universidades  
Españolas

Red de Bibliotecas  
REBIUN



# XVI Jornadas CRAI

Los laboratorios digitales: un servicio de apoyo digital a la docencia, la investigación y el aprendizaje

**Digital Scholarship at Brown University**

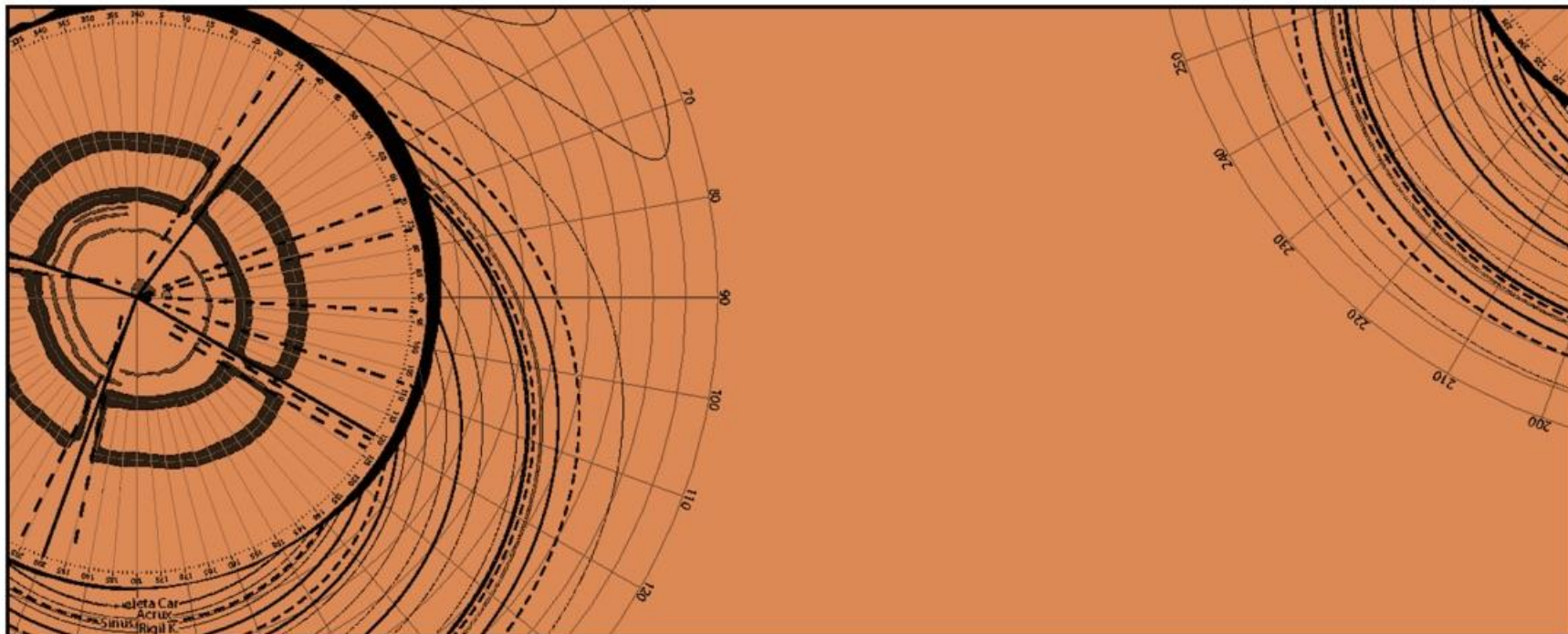
UNIVERSITAT DE VALÈNCIA, 7 Y 8 DE JUNIO 2018

# An Early Experiment in Teaching Poetry with Computers at Brown

*In the early 1970s two Brown University professors devised a radical idea...*







# SCHOLARLY TECHNOLOGY GROUP

STG assists faculty to explore the potential of digital technologies and methods in research. Please visit us to learn more about digital humanities.



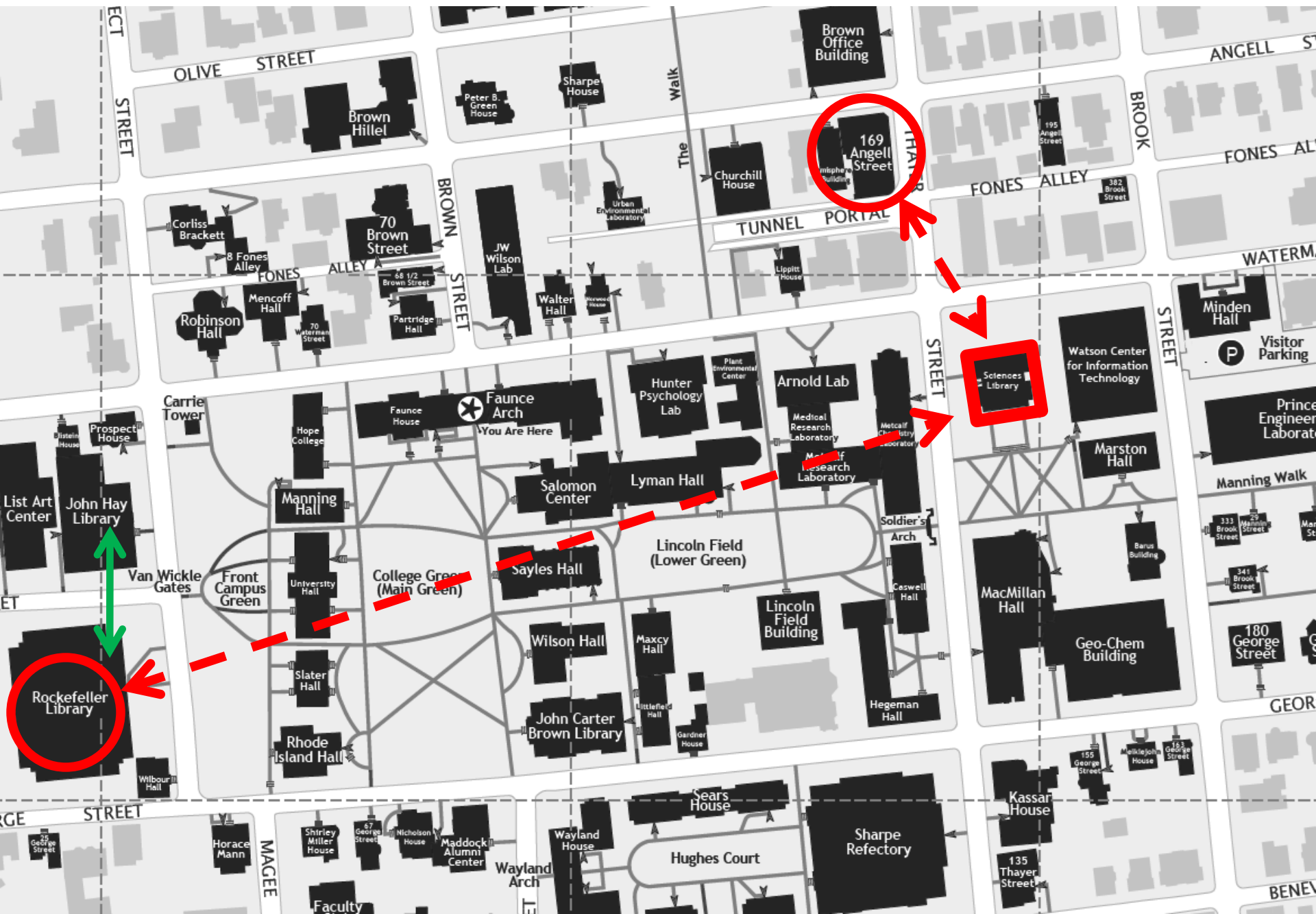
169 Angell Street Providence, RI 02906 | 401-863-7231 | <http://www.stg.brown.edu>



**Scholarly Technology Group**

**Center for Digital Initiatives**

**Center for Digital Scholarship**



169 Angell Street

Sciences Library

Rockefeller Library

John Hay Library

You Are Here

180 George Street





**PROTOTYPE  
DIGITAL RESEARCH  
ENVIRONMENT**

**Prof. Andy van Dam  
Prof. Massimo Riva  
Brown U. Library**



on the  
Microsoft  
**Surface**<sup>™</sup>

## RESEARCH ENVIRONMENT

Multimedia Archive

Amplified Display

Interactive

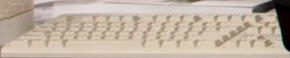
Multi-user

Mapping

Annotations

Connection to Digital Repository



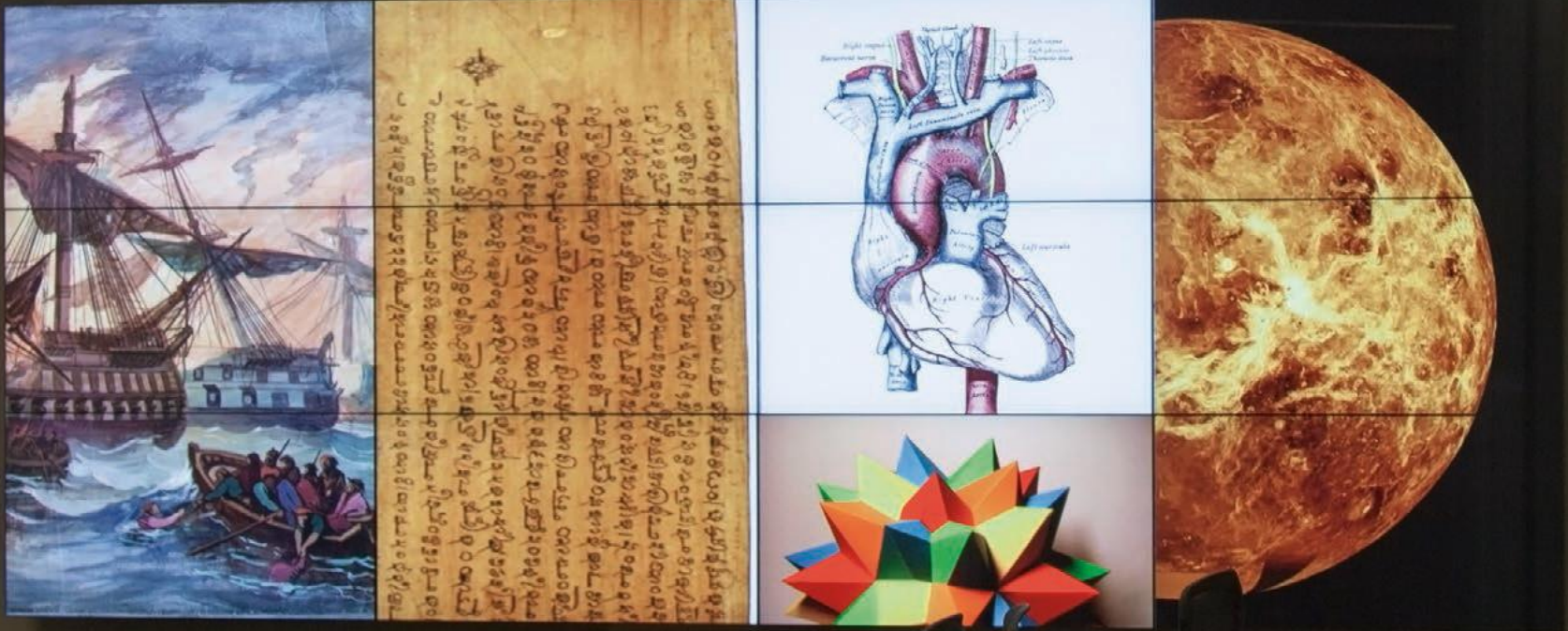


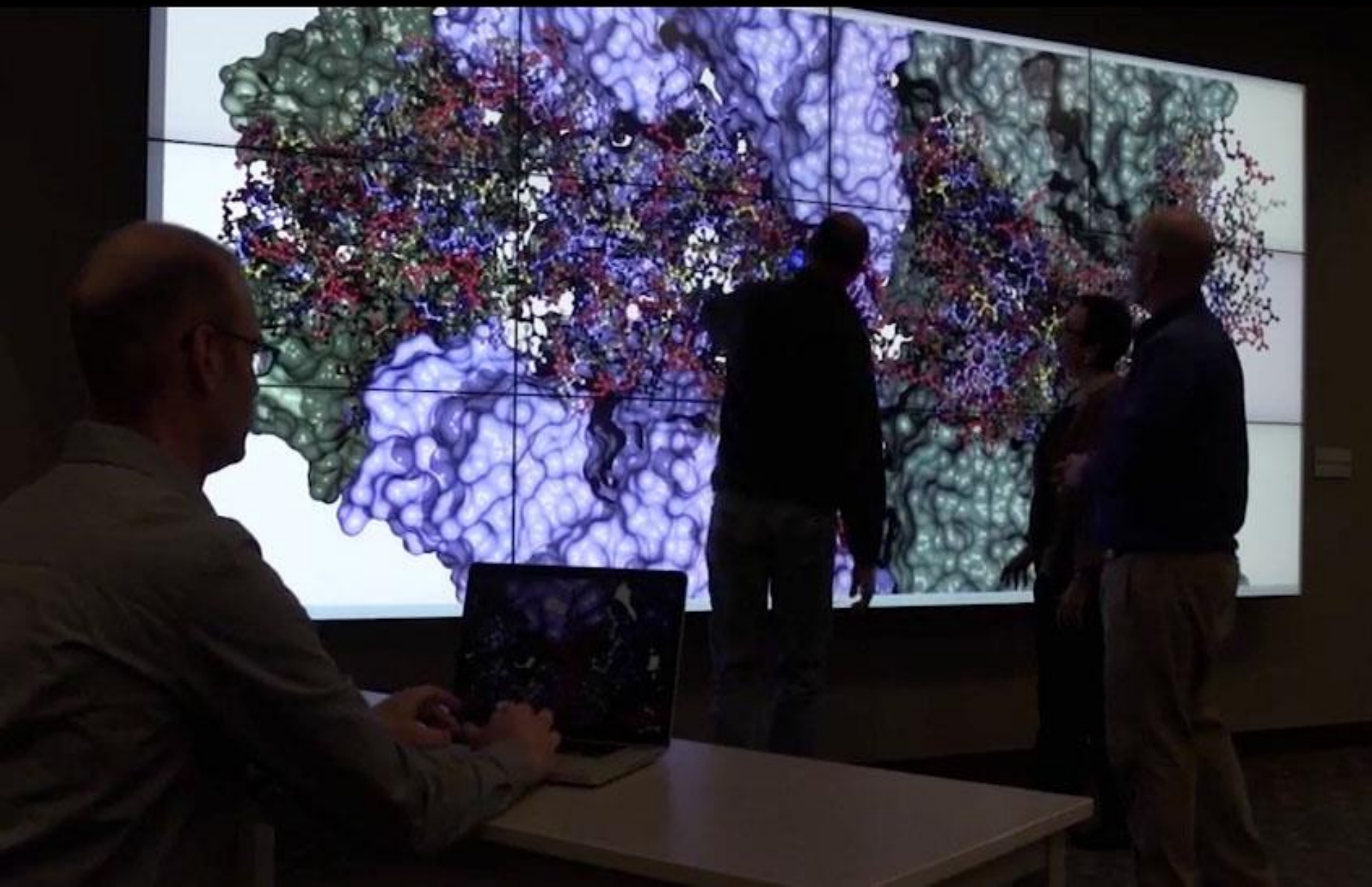
# *Digital Scholarship Lab*





# Patrick Ma Digital Scholarship Lab



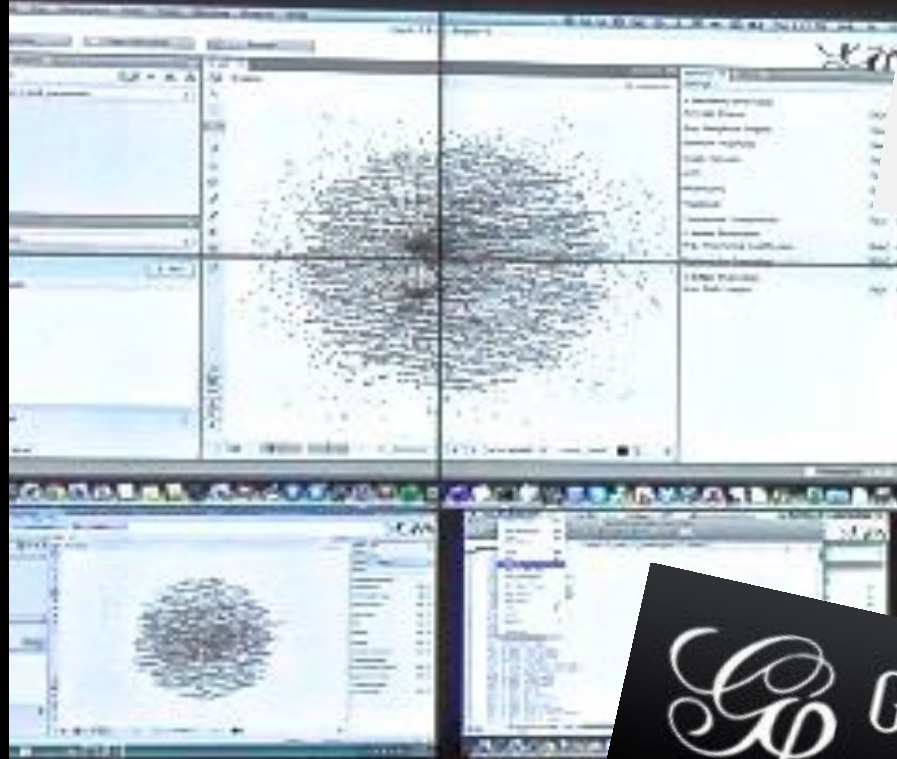






# Visualization in the Humanities

From the Cabinet of Curiosities to the  
Geoparser



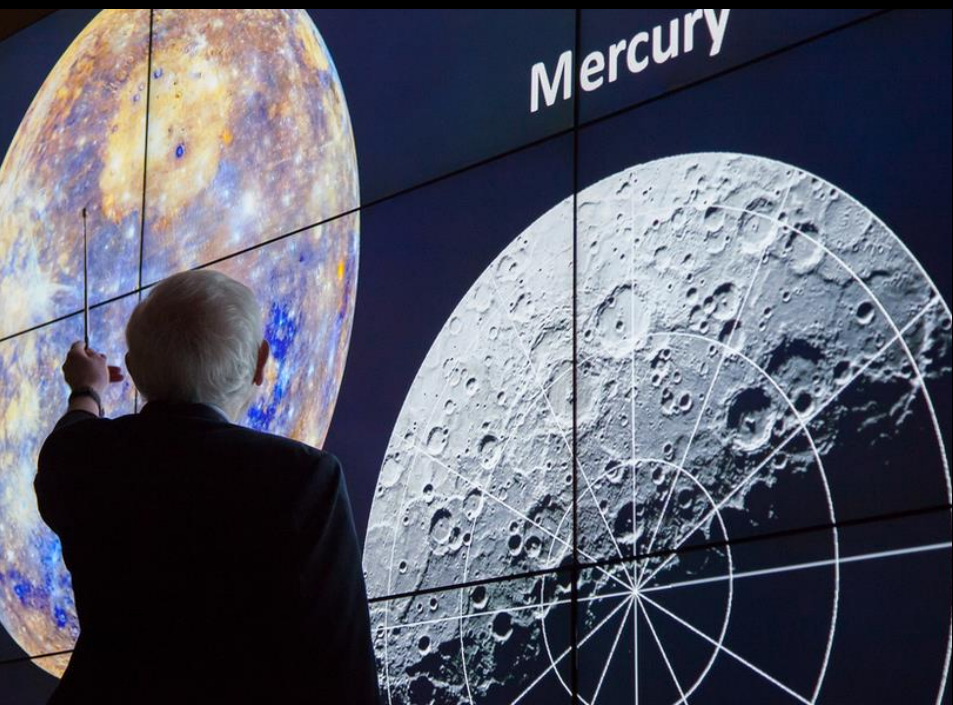
 **viewshare**  
interfaces to our heritage

**Refine**  <sup>OPEN</sup>

*Timeline* 

 **Gephi**  
makes graphs handy





# Early Concept of Digital Studio





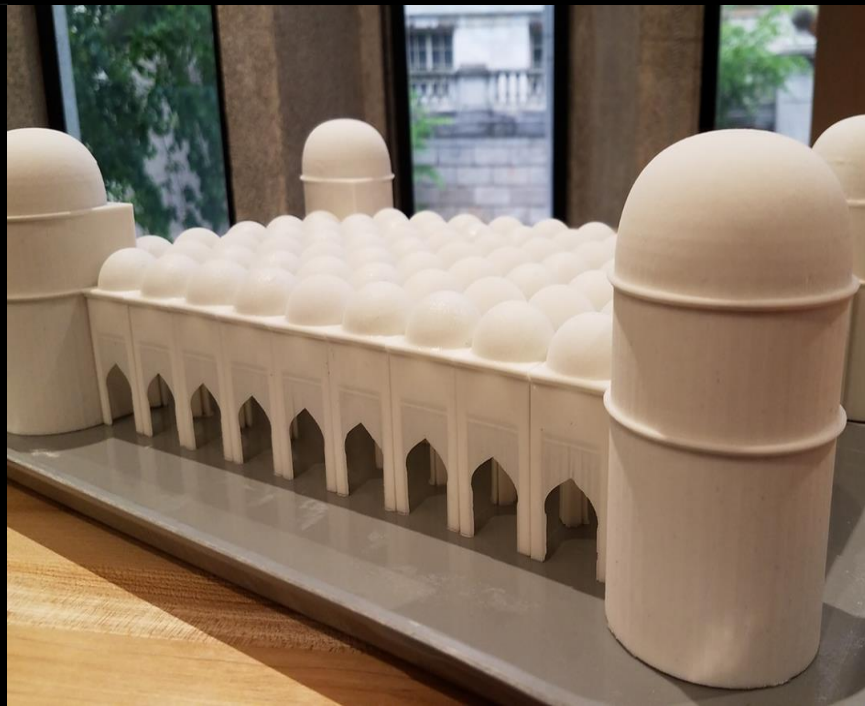


# Digital Studio Audio / Video Recording & Editing Suite

Available for drop-in  
during open hours:

- M - F 1:00 - 11:00 pm
- Sat 1:00 - 4:00 pm
- Sun 11:00 am - 11:00 pm

For more information, email [digital\\_studio@brown.edu](mailto:digital_studio@brown.edu)





DIGITAL STUDIO  
Digital Studio Meeting  
Ask the monitor any questions you have about the space or the equipment

DIGITAL STUDIO  
Before you settle in, just be aware that this table is  
**RESERVED** after  
**3:00**



159  
Makerspace

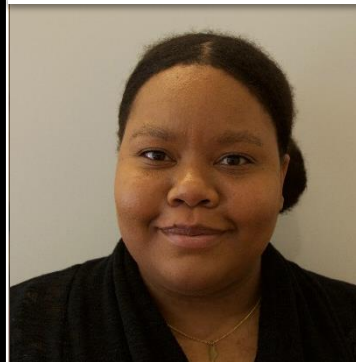
BRBER  
UNIVERSE  
PAPER  
HONORER  
JAN 2015

ARCHITECTURE DIGEST  
THE NEW YORKER

save a hair  
FUNK

# Center for Digital Scholarship

- Data Curation
- Data Management & Retention
- Digitization
- Visualization
- Spatial Analysis
- Metadata Creation
- Digital Humanities
- Repository Services
- Web Design
- Copyright & IP
- Consultations
- Workshops & Training
- Conferences & Lectures
- Research Questions
- Publications



BROWN

# New Expertise, Services & Partnerships

## NEW JOBS

Digital Scholarship Editor  
Science Data Librarian  
Director of CDS  
Data Visualization Coordinator  
Designer for Online Publications

## NEW SERVICES

Media Literacy & Visualization  
Managing Research Data  
Advanced Library Research in ....  
Discovering Primary Sources in ....  
Copyright, Citation, Evaluation



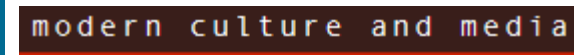
BROWN UNIVERSITY LIBRARY

DIGITAL ARTS  
& HUMANITIES  
LECTURE SERIES

Home Lectures

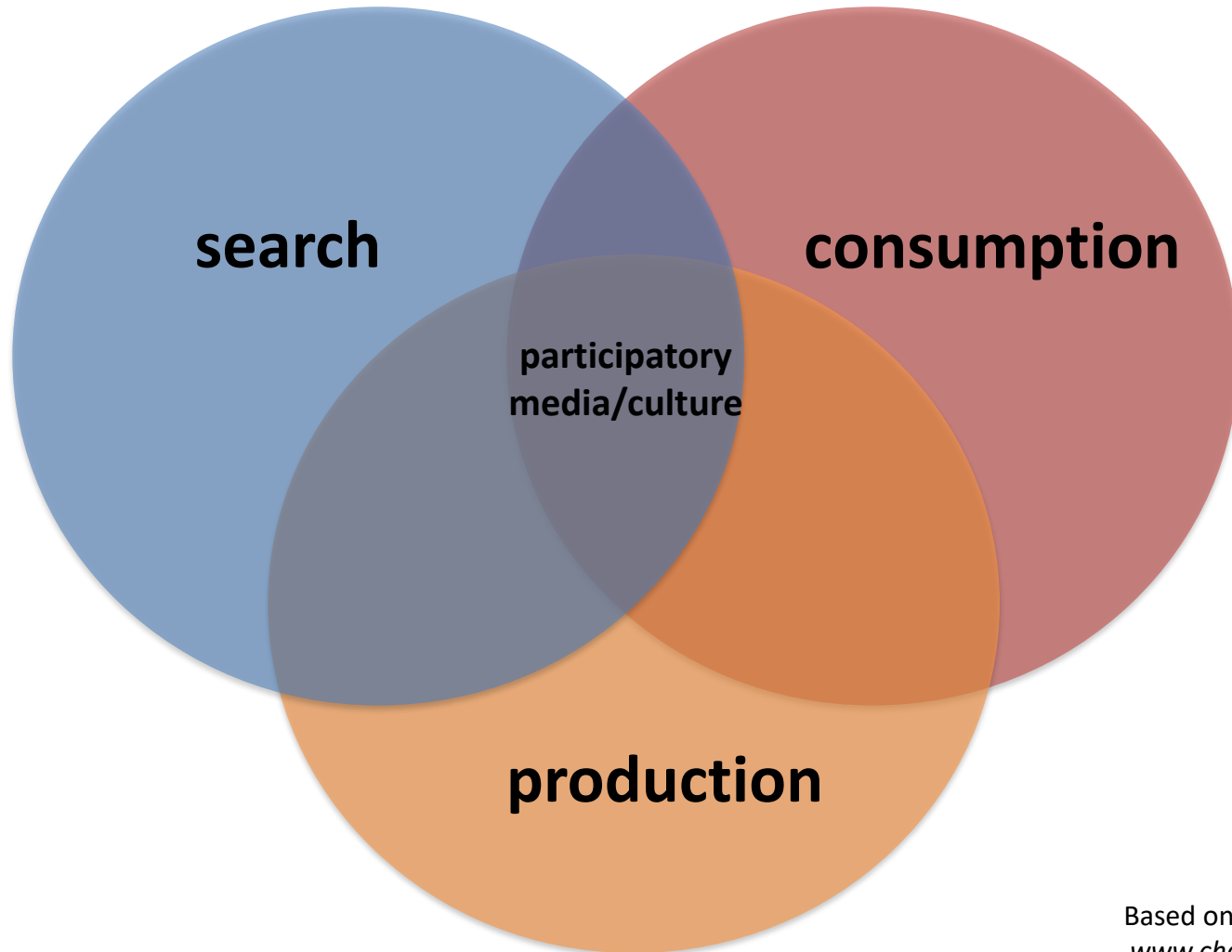


CENTER FOR COMPUTATION & VISUALIZATION

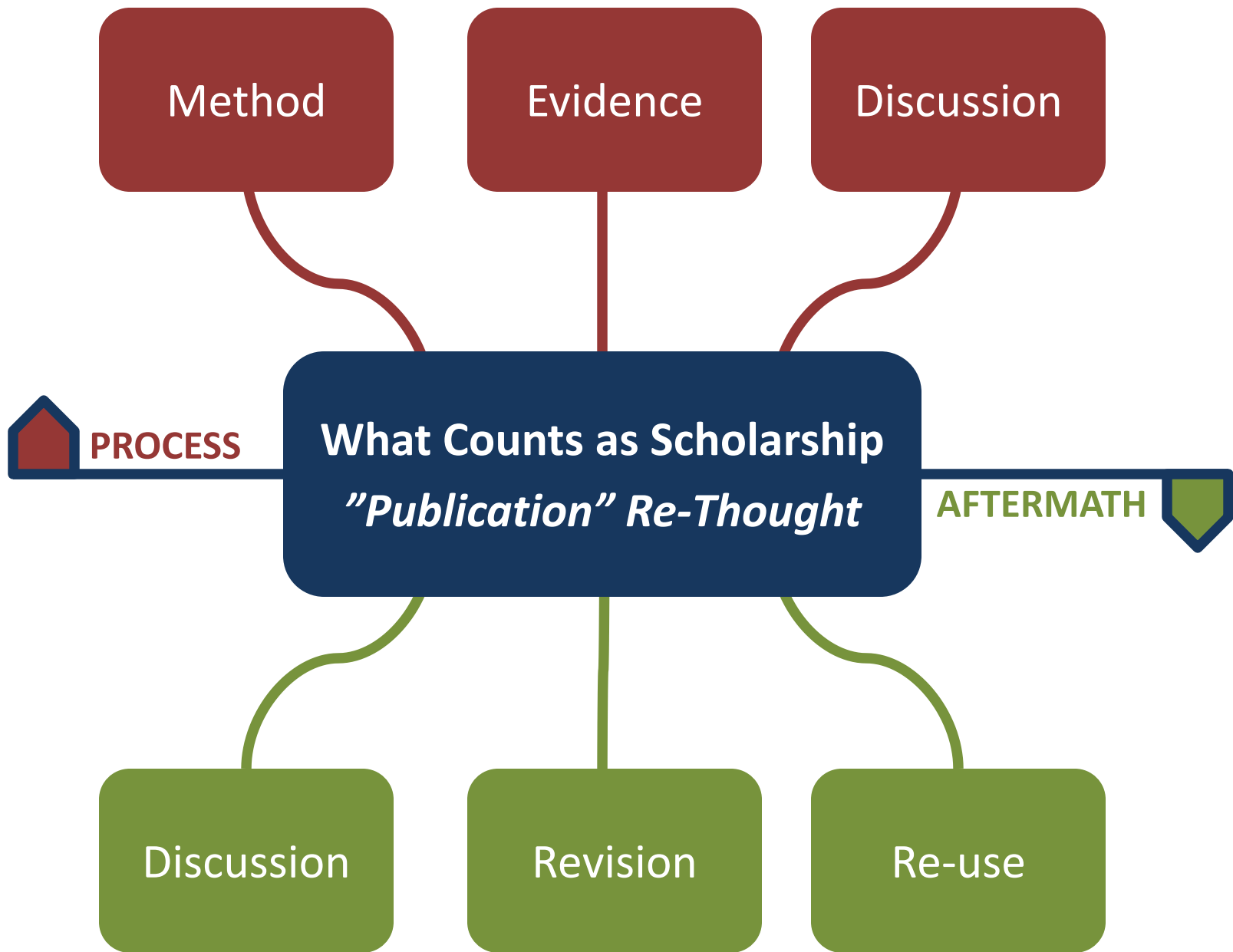


# Participatory Culture

*Involving staff from all areas of the Library*







# Brown Digital Repository

## *Disseminate & Preserve*

Brown Digital Repository

Feedback

Discover...

I Want to...

Login ↗

### Featured collections...



### Discover...

#### ▶ **Uploaded Content**

Content added by scholars through self-service upload

#### ▶ **Theses & Dissertations**

Brown University dissertations since 2008

#### ▶ **Deposited Collections**

Scholar-created research collections, research data, posters, proceedings, and more.

### I want to...

#### ▶ **Upload something**

Uploaded items can be kept private, shared at Brown, or shared with the public.

#### ▶ **Digitize something**

Digital Production Services can assist with digitization of materials in support of scholarship, research, and teaching.

#### ▶ **Use an API**

The BDR offers a complete set of Application Programming Interfaces (APIs) for using content in your own applications.

#### ▶ **Assign a DOI**

Digital Object Identifiers (DOIs) help publishers and scholars cite content stored in the BDR.


#### ▶ **Consult on a project**

The Center for Digital Scholarship works with scholars on digital projects across disciplines.

#### ▶ **Read FAQ**

Frequently Asked Questions may already answer your BDR-related question.

# Cite Research Outputs



**ZOOTAXA** ISSN 1175-5326 (Print Edition) & ISSN 1175-5334 (Online Edition)  
A mega-journal for zoological taxonomists in the world

[Home](#) | [Online issues](#) | [Editors](#) | [Information for authors](#) | [Information for subscribers](#) | [Q&A](#) | [Advantages](#) | [Statistics](#)

*Zootaxa 3702*

*Zootaxa 3702 (3): 201–300 (27 Aug. 2013)*

**Article**  
*Zootaxa 3702 (3): 201–232 (27 Aug. 2013)*  
**Re-evaluation of characters in Apolemiidae (Siphonophora), with description of two new species from Monterey Bay, California**  
STEFAN SIEBERT, PHIL R. PUGH, STEVEN H. D. HADDOCK & CASEY W. DUNN  
[Preview](#) (PDF; 20KB) | [Full article](#) (PDF; 9,850KB) [open access](#) / [Erratum](#)

Papers published in  
[2001](#), [2002](#),  
[2003](#), [2004](#),  
[2005](#), [2006](#),  
[2007](#), [2008](#),  
[2009](#), [2010](#),  
[2011](#), [2012](#),  
[2013](#).

## Brown Digital Repository

[Browse](#) [Search](#) [Recently Added](#) [About](#)

Two new apolemiid species (Cnidaria, Siphonophora) from Monterey Bay, California



01:42

02:59



**doi**® (Digital Object Identifier)

<http://dx.doi.org/10.7301/Z0WD3XH9>

# Disseminate Unpublished Code, Data

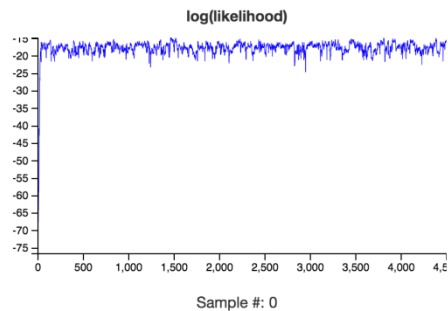
Howison et al. (2014) Genome Assembly by Bayesian Inference (GABI):  
Sample Report for PhiX174.

<https://repository.library.brown.edu/viewers/archive/bdr:351764/content/gabi-report/run1.html>

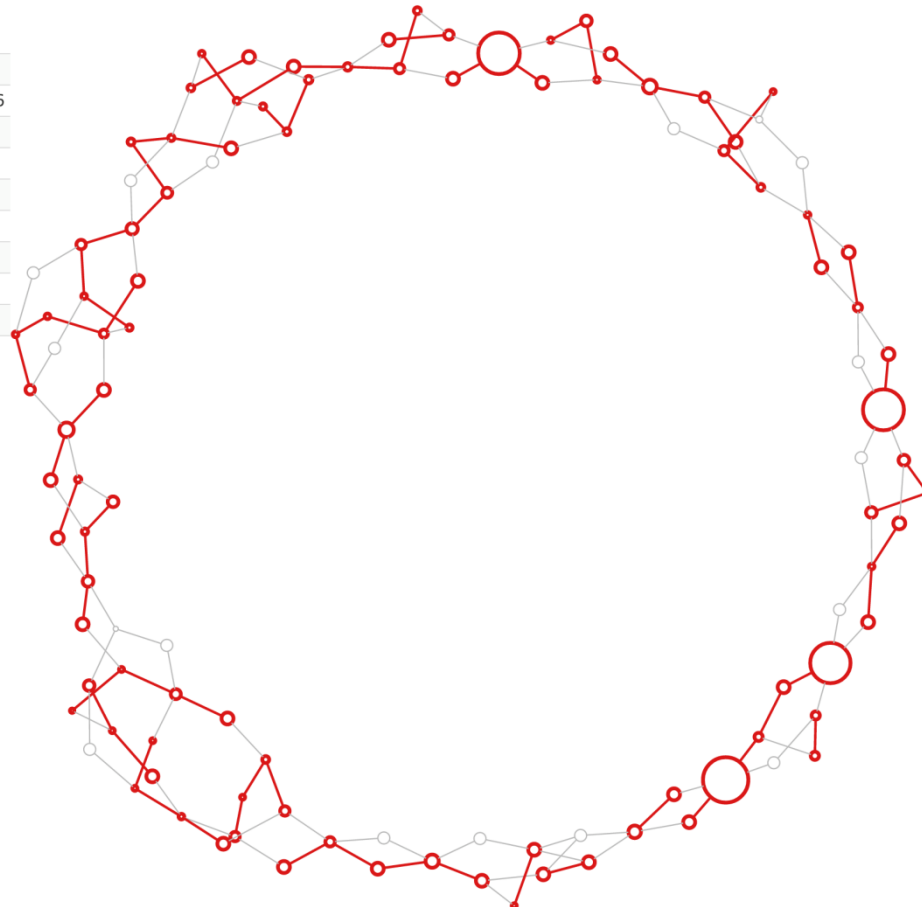
## GABI Run 1

Catalog ID	phix
Timestamp	2014-05-09T13:04:07.916436
Expected # Contigs	1
Expected Genome Size	5,386 bp
# Samples	20,001
# Accepted	4,501 (22.5%)
Total Sample Time	25,514.9 sec
Min. Sample Time	0.0 sec
Max. Sample Time	8.0 sec
Mean Sample Time	1.3 sec

## Trace Animation



Mouse over the plot to see the assembly of a particular sample.



# ARCHIVE CLASS PROJECTS

Brown Science Center: Science Cartoons

... developed to engage STEM and non-STEM students and faculty in the creation of science animation ... for communicating scientific research and concepts to broad audiences ... via storytelling, animation, art, and high-quality multimedia

All Fields Search

Refine Your Search

**Selected Facets**

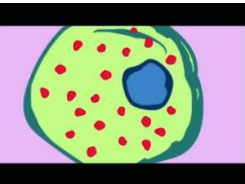
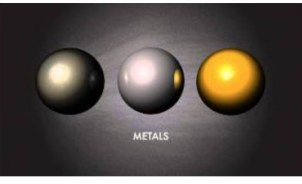
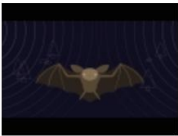


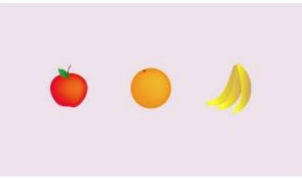


Format ▶ moving image ✕

Format ▼  
moving image 10

Genre ▼  
animated cartoons 10

Keywords ▼

- Atomic nuclei 1
- Bacteria 1
- Bat sounds 1
- Bats 1

 <p>Can RNA splicing errors cause disease?</p> <p>Full Record</p>	 <p>Conductive polymers</p> <p>Full Record</p>	 <p>Echolocation</p> <p>Full Record</p>	 <p>Every rock tells a story</p> <p>Full Record</p>
 <p>Graphene</p> <p>Full Record</p>	 <p>How do we see color?</p> <p>Full Record</p>	 <p>Human microbiome</p> <p>Full Record</p>	 <p>Modeling our climate</p> <p>Full Record</p>

# Faculty, PhD, & Master's -- Now Undergraduates, too

## Brown University Undergraduate Honors and Senior Theses

... Every concentration program allows its students to pursue honors. Established in 2016, this collection contains senior theses, senior capstone projects, and senior honors theses ... that students have chosen to make available via the BDR.

All Fields ▾ Search



### Refine Your Search

Concentration ▾

Applied Mathematics/Biology (ScB) 1

Biochemistry (ScB) 1

Biology (AB) 2

Biology (ScB) Cell and Molecular Biology 2

Biology (ScB)/Biotechnology and Physiology 1

Show More...

Year ▾

### Items

« 1 2 »

Items (1-20) out of 29 results

20 per page ▾

View ▾

*Altered gene expression in eosinophilic esophagitis (EoE): how STAT6 and other differentially expressed proteins contribute to disease pathophysiology*







**Title:** Altered gene expression in eosinophilic esophagitis (EoE): how STAT6 and other differentially expressed proteins contribute to disease pathophysiology

**People and Places:** O'Connell, David Adams (author), Matoso, Andres (advisor), Resnick, Murray B. (reader)

**Genre:** theses

# Promotion and Recognition of Library's Research Support Services

<p>Preparing for Research</p> 	<p>Publishing &amp; Impact</p> 	<p>Grant Reporting &amp; Compliance</p> 	<p>Data Management &amp; Sharing</p> 
<p><i>Get help with...</i></p> <ul style="list-style-type: none"> <li>• finding <b>grants &amp; fellowships</b></li> <li>• finding <b>collaborators</b></li> <li>• <b>patent</b> searching</li> <li>• a <b>literature review</b></li> <li>• <b>systematic review</b> screening, reporting &amp; management</li> <li>• <b>electronic lab notebooks</b></li> <li>• authenticating <b>reagents, cell lines &amp; model organisms</b></li> </ul>	<p><i>Get help with...</i></p> <ul style="list-style-type: none"> <li>• managing <b>references</b></li> <li>• measuring <b>researcher impact</b></li> <li>• locating a high <b>impact factor</b> journal</li> <li>• adding publications to <b>researcher profiles</b> and managing <b>scholarly identity</b></li> <li>• publishing <b>open access</b></li> <li>• a journal's <b>reproducible methods</b> checklist</li> <li>• understanding <b>author rights</b></li> </ul>	<p><i>Get help with...</i></p> <ul style="list-style-type: none"> <li>• locating &amp; managing grant-related <b>publications</b></li> <li>• <b>depositing a publication</b></li> <li>• a funder's <b>public access</b> policy</li> <li>• a funder's <b>reproducibility application</b></li> <li>• creating and storing <b>biosketches</b></li> </ul>	<p><i>Get help with...</i></p> <ul style="list-style-type: none"> <li>• writing <b>data management &amp; sharing plans</b></li> <li>• <b>citing &amp; publishing data</b></li> <li>• a <b>data sharing repository</b></li> <li>• getting a <b>digital object identifier (DOI)</b></li> <li>• choosing a <b>license</b> for software &amp; data</li> <li>• <b>minimum information (MI) &amp; data reporting standards</b></li> <li>• using the <b>Brown Digital Repository (BDR)</b></li> </ul>

# Policies for Access, Reuse, Retention & Dissemination



**Research Protections (IRB)**



**(CIS) Information Security**



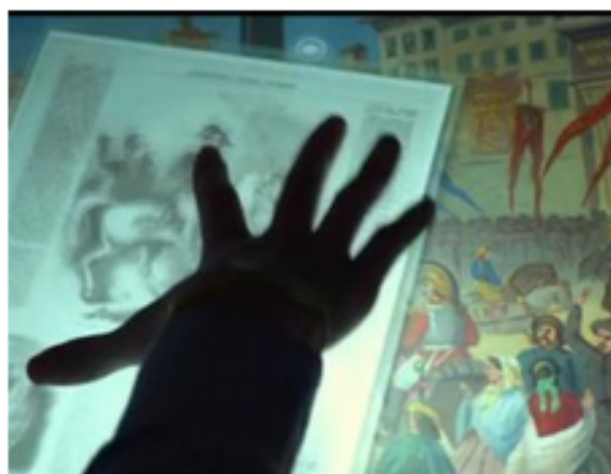
**Technology Ventures Office (TVO)**



**(BUL) Public license and open access (OA)**



# News from Brown



## Mellon grant to fund digital scholarship initiative

January 12, 2015 Contact: [Courtney Coelho](#) 401-863-7287

An initiative for digital scholarship — an important element in the University's strategic plan, *Building on Distinction* — has received a \$1.3-million grant from the Andrew W. Mellon Foundation.

### Digital scholarship

Beyond the techniques of interacting with digital materials, the digital scholarship initiative will develop strategies and procedures for dissemination and preservation services and new systems for peer review and scholarly validation of digital scholarship, particularly for the humanities.

**PROVIDENCE, R.I.** [Brown University] — Brown will launch its new digital scholarship initiative with a \$1.3-million grant from the Andrew W. Mellon Foundation. The initiative, to be administered jointly by the University Library and the Office of the Dean of the Faculty, will support the development, publication, and preservation of digital publications, with an emphasis on long-form digital publications by Brown faculty in the humanities and humanistic social sciences.



DIGITAL  
SCHOLARSHIP

EVALUATION

AUDIENCE

PUBLICATION

READABILITY

TENURE & PROMOTION

REUSE

PRESERVATION



*"Nice, but as long as there are readers there will be scrolls."*

READ, WRITE  
AND THINK  
IN A  
DIGITAL  
AGE

***Thank you!***

**Harriette\_Hemmasi@brown.edu**



Brown University Library