A new frontend for VIVO

Hector Correa / hector_correa@brown.edu
Steven McCauley / steven_mccauley@brown.edu
Brown University Library

VIVO @ Brown

In production since 2014

4000+ researcher profiles

150,000 pageviews/month (Google Analytics)

Why a new frontend?

Users have expressed

- Not very user-friendly
- Plain/boring look and feel
- Not very functional for their needs (i.e. discovery)

Technology-wise

- Use technologies we are comfortable with (Ruby on Rails)
- Allows us to innovate faster

Current Web Site

http://vivo.brown.edu

Researchers@BROWN

Search

Welcome to Researchers@Brown

Researchers@Brown brings together, in one site, publicly available information on the people, departments, and activities that collectively make up research and scholarship in all disciplines at Brown University.

For FACULTY:

- You may have harvested publications pending approval.
  Click "Manage your profile" –> "Publications" –> "Manage publications".

- Check out the new "Geographic Research Area" section which uses a standard set of geographic terms.

- Coming soon! Optional network visualizations

For DEVELOPERS:

- The R@B team has developed a JSON web service that makes it easy to use data from Researchers@Brown in other websites.

Please provide feedback or request help by contacting researchers@brown.edu. Visit our Help pages for further information.

RECENT FACULTY BOOKS

theatre & history
Rebecca Schneider
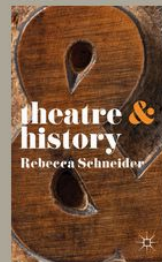
Click book jacket to view faculty profile

ORCID

Get a Brown ORCID Identifier!

Publishers and funding agencies are increasingly requesting ORCIDs for manuscript and grant submissions.

Researchers @ BROWN

caribbean history | Search

Search results for 'caribbean history'

Caribbean history | Research Area

HIST 0971L – Modern Caribbean History | Course

Latin American and Caribbean Studies
... Director of Latin American and **Caribbean** Studies To foster greater knowledge, teaching and research on the cultures, societies, **history**, politics, economics ...

The Journal of Latin American and Caribbean Anthropology | Venue
... of Adoption in Latin America Book Review: Negras in Brazil: Re-envisioning Black Women, Citizenship, and the Politics of Identity :The Peru Reader:**History** ...

Medical History | Venue
... Venue Julia E. Rodriguez (ed.), **History** of Science in Latin America and the **Caribbean** Digital Archive (Durham: University of New Hampshire, 2010) (www ...

Julia E. Rodriguez (ed.), History of Science in Latin America and the Caribbean Digital Archive (Durham: University of New Hampshire, 2010) (www.hoslac.org) | Article
... Article Citation Lambe, Jennifer Medical **History** 618–619 10.1017/mdh.2012.72 04 Lambe, Jennifer 56 2012–10–01 ...

:The Peru Reader:History,Culture, Politics | Article
... Article Citation Leinaweaver, Jessaca The Journal of Latin American and **Caribbean** Anthropology 277–279 10.1525/jlat.2007.12.1.277 1 Leinaweaver, Jessaca B. 12 ...

Henry, Paget | Faculty Member
... and Ethnic Relations; **Caribbean History** and Society; Comparative Colonial Cultures; Sociology of the Arts; Sociology of Cultural Development; Seminar on Critical Theory ...

Rodriguez, Daniel | Faculty Member
... of Latin America, 1492–2014 HIST 2930 – Colloquium Latin America and the **Caribbean** PhD **History** Daniel • Mendenhall Fellowship (Smith College, 2012) • Mellon ...

Lambe, Jennifer | Faculty Member
... : Intimate **Histories** of Psychiatry and Self Latin American and **Caribbean** HIST 1830M – From Medieval Bedlam to Prozac Nation: Intimate **Histories** of Psychiatry and Self ...

Display Only

Brown organizations

people (35)

(2)

courses (1)

research interests (1)

citations (7)

Researchers@BROWN

caribbean history   **Search**

Home   People   Organizations   Help

Search results for 'caribbean history' limited to type 'people'

Not the results you expected?

Henry, Paget | Faculty Member
... and Ethnic Relations; **Caribbean History** and Society; Comparative Colonial Cultures; Sociology of the Arts; Sociology of Cultural Development; Seminar on Critical Theory ...

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... of Latin America, 1492–2014 HIST 2930 – Colloquium Latin America and the **Caribbean** PhD **History** Daniel • Mendenhall Fellowship (Smith College, 2012) • Mellon ...

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Bogues, Barrymore | Faculty Member
... Philosophical Association International Intellectual **History** Association **Caribbean** Studies Association Center for **Caribbean** Thought **Caribbean** Social **History** Project ...

Fisher, Linford | Faculty Member
... in America, 1865 – Present PhD Anglophone **Caribbean** Decoding Roger Williams: The Lost Essay of Rhode Island's Founding Father Native North America **Caribbean history** ...

Channer, Colin | Faculty Member
... – Remaster + Remix Iron Balloons Kingston Noir Reggae music BA **Caribbean** poetry interdisciplinary arts cinema Rhode Island Humorous monologues colinchanner.com 2016 ...

Johnson, Jasmine | Faculty Member
... and **History**; Association for the Study of the Worldwide African Diaspora; **Caribbean** Studies Association; Collegium for African Diaspora Dance; Congress on Research ...

Whitfield, Esther | Faculty Member
... 's Program in **History** and Literature before joining the faculty of Brown's Department of Comparative Literature in 2002. She teaches courses on Latin American, **Caribbean** ...

Martinez, Monica | Faculty Member
...), Department of Latino and Hispanic **Caribbean** Studies, Rutgers University, 2012–2013 Comparative Border Studies Fellowship (declined), Arizona State University, 2012–2013 Best ...

Limit people to

Faculty Member (35)

Person (35)

Researchers@BROWN

Itohan I. Osayimwese | Assistant Professor of History of Art and Architecture

Itohan Osayimwese is an architectural and urban historian. She is Assistant Professor of History of Art & Architecture. She engages with theories of modernity, postcoloniality, and globalization to analyze German colonial architecture, urban design, and visual culture; modern architecture in Germany; African and African diaspora material cultural histories; and the architecture of development in Africa. Another research interest is the architectural and urban lives of religious cults.

Curriculum Vitae

email ✉

Brown Affiliations

History of Art and Architecture

Research Areas

19th and 20th century global architectural history | African and African diaspora material culture | Caribbean history | colonial architecture and urbanism | missionary architecture | modern architecture

---

Publications | Research | Background | Affiliation | Teaching | View All

selected

Osayimwese, Itohan. Colonialism and Modern Architecture in Germany 2017 .

Osayimwese, Itohan. Armchair Safaris: Representations of African Cultures in Zoos Architectural Theory Review. 2016; 20 (20) : 1–16 . full text

Osayimwese, Itohan. Slavery at Monticello: Life and Work on Mulberry Row JSAH. 2016; 75 (3) : 383–385 . full text

New Web Site

(private URL, requires VPN)

Researchers@BROWN

Search for an Expert…

Advanced search…

Recent faculty books

Click book jacket to view faculty profile

Type

for **caribbean history** ✖ (Type > PEOPLE ✖)

PEOPLE ✖ (34)

Affiliations

American Studies (6)
Africana Studies (5)
History (5)
Anthropology (4)
Hispanic Studies (3)
Sociology (3)
Comparative Literature (2)
Epidemiology (2)
French Studies (2)
History of Art and Architecture (2)
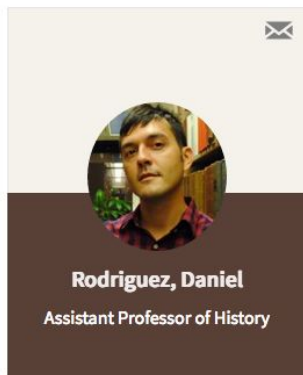
✚ More…

Research Areas
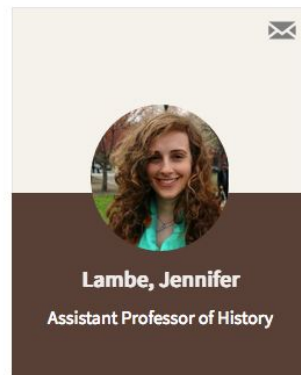
Caribbean (5)
Brazil (4)
Latin America (4)
Cuba (3)
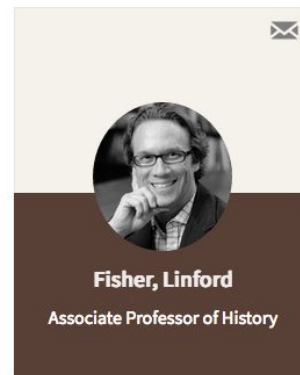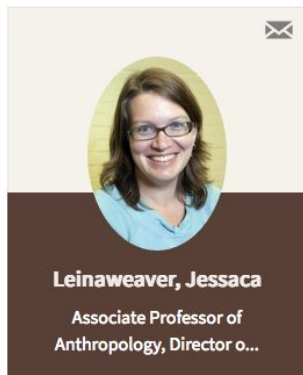Ethnic Studies (3)
North America (3)

✉

Rodriguez, Daniel
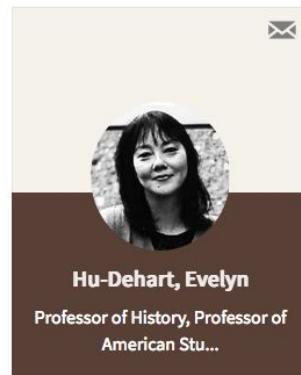
Assistant Professor of History

✉

Lambe, Jennifer

Assistant Professor of History

✉

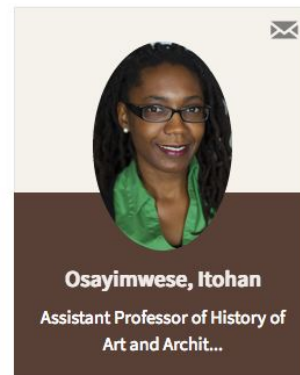**Fisher, Linford**

Associate Professor of History

✉

Leinaweaver, Jessaca

Associate Professor of
Anthropology, Director o…

✉

Hu-Dehart, Evelyn

Professor of History, Professor of
American Stu…

✉

Osayimwese, Itohan

Assistant Professor of History of
Art and Archit…

Affiliations

Health Services, Policy and Practice ✖ (80)
Medicine (17)
Emergency Medicine (4)
Pediatrics (3)
Psychiatry and Human Behavior (3)
Gerontology and Health Care Research (2)
School of Public Health (2)
Brown AIDS Center (CFAR) (1)
Brown University AIDS Program (BRUNAP) (1)
Business, Entrepreneurship and Organizations (1)

✚ More…

Published In

JAMA (13)
Journal of the American Geriatrics Society (13)
American journal of kidney diseases : the official journal of the National Kidney Foundation (12)
Health Serv Res (12)
Journal of the American Medical Directors Association (12)
Medical Care (12)
Medical Care Research and Review (12)
J Gen Intern Med (11)
The Gerontologist (11)
Annals of Internal Medicine (10)

✚ More…

Ranney, Megan
Associate Professor of Health Services, Policy a...

Wallace, Byron
Adjunct Assistant Professor of Health Services, ...

Assaf, Annlouise
Adjunct Professor of Health Services, Policy and...

Springs, Stacey
Investigator in Health Services, Policy and Prac...

Rahman, Md
Assistant Professor of Health Services, Policy a...

Chen, Elizabeth
Associate Director of the Center for Biomedical ...

Steele, Dale
Associate Professor of Emergency Medicine, Asso...

Miller, Edward
Adjunct Professor of Health Services, Policy and...

Yip, Agustin
Clinical Assistant Professor of Psychiatry and H...

PEOPLE ✖ (80)

Affiliations

Health Services, Policy and Practice ✖ (80)
Medicine (17)
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Annals of Internal Medicine (10)
Health Affairs (10)
Medicine and health, Rhode Island (10)
Arch Intern Med (9)
PEDIATRICS (9)
Rhode Island medical journal (2013) (9)
Journal of Applied Gerontology (8)
Social science & medicine (1982) (8)
The American Journal of Medicine (8)
Am J Public Health (7)
American Journal of Epidemiology (7)

« Previous   Next »   A-Z   9-0   narrow your search

Assaf, Annlouise
Adjunct Professor of Health Services, Policy and…

Chen, Elizabeth
Associate Director of the Center for Biomedical …

Steele, Dale
Associate Professor of Emergency Medicine, Asso…

Miller, Edward
Adjunct Professor of Health Services, Policy and…

Yip, Agustin
Clinical Assistant Professor of Psychiatry and H…

Back to search

Osayimwese, Itohan

Assistant Professor of History of Art and Architecture

History of Art and Architecture

- Overview
- Publications
- Research
- Background
- Affiliations
- Teaching
- View All
- Curriculum Vitae [PDF]

Overview

Itohan Osayimwese is an architectural and urban historian. She is Assistant Professor of History of Art & Architecture. She engages with theories of modernity, postcoloniality, and globalization to analyze German colonial architecture, urban design, and visual culture; modern architecture in Germany; African and African diaspora material cultural histories; and the architecture of development in Africa. Another research interest is the architectural and urban lives of religious cults.

Brown Affiliations

History of Art and Architecture

Research Areas

19th and 20th century global architectural history | **African and African diaspora material culture** | **Caribbean** | **Caribbean history** | **colonial architecture and urbanism** | **Germany** | **missionary architecture** | **modern architecture** | **West and East Africa**

Features

- Same information as standard VIVO
- Modern look and feel
- Optimized for discovery
  - Focus on finding researchers
  - Affiliations, alumn of, et cetera issue searches for other researchers
  - Faceted search (affiliation, research areas, publication venue)
  - Focus on common users' needs
  - Tuned our Solr index, spell checker, faster response times
- Mobile friendly
- Fast performance

Examples

- Publication filter (link)
- Complete profile (link)
  - Alumni of (link)
  - Appointments (link)
  - Export to JSON-LD / Turtle via VIVO (link)

System Architecture

Developer requirements

- Decouple frontend interface from backend datastore
- Better performance
- Easier, faster updates and development
- Less complexity, more collaboration

System Architecture: current setup
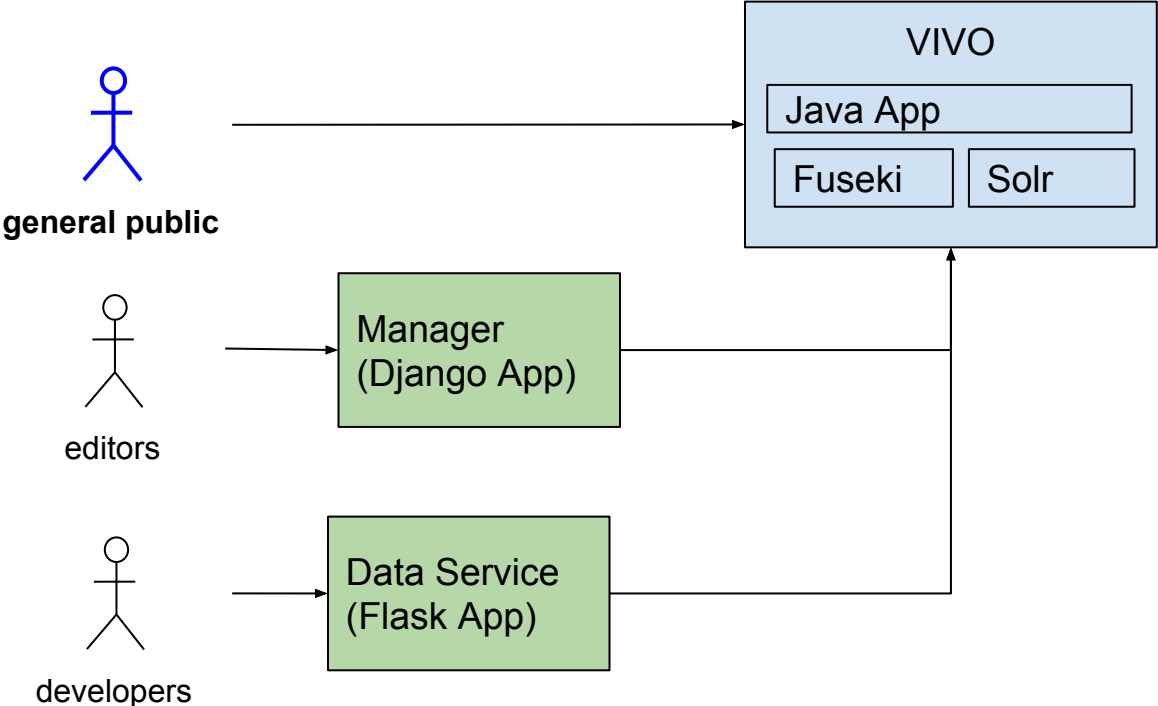
System Architecture: future setup
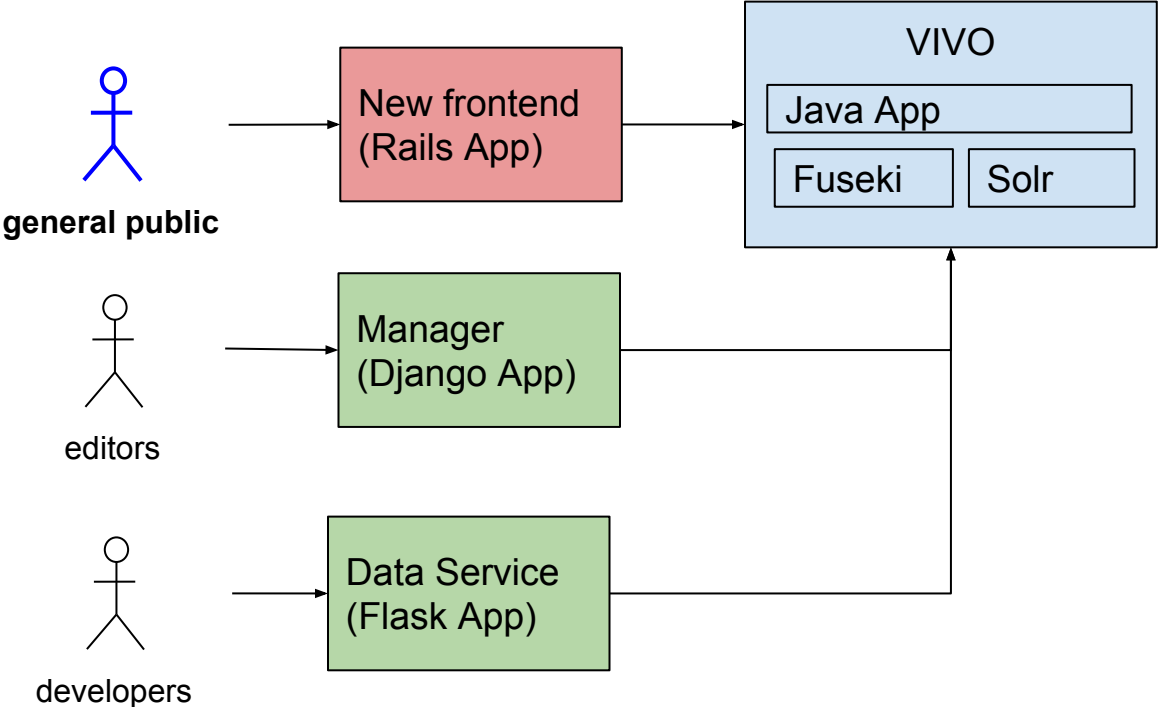
System Architecture: application APIs

VIVO APIs

- Writing: VIVO internals
- Querying: Fuseki
- SPARQL Query/Update APIs
- Frontend API should be simple and fast

System Architecture: frontend API

Solr as VIVO API

- Bundled with VIVO
- Highly configurable
- Built for search and speed
- Live updates
- Query via HTTP
- Delivers denormalized JSON documents

https://wiki.duraspace.org/pages/viewpage.action?pageId=55902741

System Architecture: configuration and workflow

Solr configuration

- Solr schema
- Solr integrates standalone scripts: more data processing, validation
    - https://wiki.apache.org/solr/ScriptUpdateProcessor

VIVO configuration

- rdf/display/everytime/searchIndexerConfigurationVitro.n3
- SPARQL queries against triplestore generate data for Solr fields

System Architecture: SPARQL queries

```
386 :documentModifier_affiliationsJSON
387     a    <java:edu.cornell.mannlib.vitro.webapp.searchindex.documentBuilding.SelectQuery
        DocumentModifier> ,
388          <java:edu.cornell.mannlib.vitro.webapp.searchindex.documentBuilding.DocumentMod
             ifier> ;
389     rdfs:label "All labels are added to name fields." ;
390     :hasTargetField "affiliations_json" ;
391     :hasTypeRestriction "http://xmlns.com/foaf/0.1/Person";
392     :hasSelectQuery """
393          PREFIX rdfs:<http://www.w3.org/2000/01/rdf-schema#>
394          PREFIX blocal:<http://vivo.brown.edu/ontology/vivo-brown/>
395          SELECT DISTINCT ?json
396          WHERE {
397               ?uri blocal:hasAffiliation ?aff .
398               ?aff rdfs:label ?label .
399               BIND(replace( '\"uri\":\"aff\",', 'aff', str(?aff) ) as ?uriStr)
400               BIND(replace( '\"id\":\"aff\",', 'aff', str(?aff) ) as ?idStr)
401               BIND(replace( '\"name\":\"aff\"', 'aff', str(?label) ) as ?nameStr)
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402             BIND(concat( '{', ?uriStr, ?idStr, ?nameStr, '}') as ?json)
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```

System Architecture: Solr documents

```
"research_overview": "<p><strong><em><u>The Anti-Trafficking Rehabilitation Complex</u></em></strong></p>\n\n<p>My book manuscript in p
"title_t": [
  "Assistant Professor of American Studies"
],
"affiliations_json": [
  "{\"uri\":\"http://vivo.brown.edu/individual/org-brown-univ-dept3\",\"id\":\"http://vivo.brown.edu/individual/org-brown-univ-dept3\",
],
"alumni_of": [
  "Pomona College",
  "University of California, Los Angeles"
],
"teacher_for": [
  "DEVL 1500 - Methods in Development Research",
  "AMST 1600B - Global China: Flows, Forces, and Friction",
  "AMST 1500A - Research and Transnational Communities: Qualitative Fieldwork Methods",
  "AMST 1600C - The Anti-Trafficking Savior Complex: Saints, Sinners, and Modern-Day Slavery"
],
"on_the_web_json": [
  "{\"uri\":\"http://vivo.brown.edu/individual/nea0ec2d6-d754-11e5-abdf-005056aa66a3\",\"url\":\"http://www.elenashih.org\",\"text\":\"
]
```

System Architecture: VIVO as backend

- Minimal updates to VIVO installation
  - Solr indexing configuration
  - Reassign URLs: from VIVO pages to Rails app
- Preserve VIVO's built-in data services
  - http://.../individual/{id}/{id}.ttl (exports Turtle)
  - http://.../individual/{id}/{id}.jsonld (exports JSON-LD)
  - SPARQL Query/Update APIs
- Standalone APIs still available
  - Fuseki
  - R@B REST service
- VIVO for database administration

System Architecture: future steps

At Brown

- Move from standalone Fuseki to SPARQL Query/Update APIs
- Smarter SPARQL queries, better JSON handling
- Leverage inferencing and maintenance queries

VIVO community

- Easier configuration of Solr fields
- Focus on Solr integration, staying up-to-date with latest versions
- Development of modules that hook up to VIVO APIs

Benefits (users)

- Targets users' different needs
  - ...mainly discovery
  - ...while preserving our Linked Data options

- Good design makes a big difference
  - Thanks Symplectic for the inspiration in VIVO 2016
  - Thanks to our designers: Crystal Brusch and Ben Tyler

- Careful: bad data might become (more) visible

Benefits (technical)

- Familiar technologies for the team
  - Ruby on Rails
  - Designers can run the site and see their changes locally

- Easier to update the frontend
  - Push a new release without touching the VIVO backend

- Hard division between public and not-public data

- Keeps VIVO data capabilities intact

If you are going to customize VIVO (and you will)...

your frontend and your backend don't

have to be the same

Future enhancements

- Visualizations
- Built-in access to common queries
  - e.g. who has published in the last 12 months
- Connect to other systems within the university/library
- Document how to reuse our code (Rails + Solr config)
- Exports
  - ... of search results
  - ...individual researcher (make more prominent)
- Organization/affiliation pages
  - ...and others?

Source code

- Available at https://github.com/Brown-University-Library/vivo-on-rails

Questions?

- Contact us
  - hector_correa@brown.edu
  - steven_mccauley@brown.edu

Thanks!