



Introduction to VIVO

VIVO 2013 Conference Workshop

Jon Corson-Rikert, Kristi Holmes, Brian Lowe, Julia Trimmer, and Alex Viggio

August 14 - 16, 2013

St. Louis, Missouri • vivoweb.org/conference

Overview

- Introductions all around
- What is VIVO?
- VIVO as a semantic web application
- The VIVO community
- Case study – Duke University
- Case study – Colorado
- Implementation & building an open source community project

Instructors

- Jon Corson-Rikert
 - VIVO Core Development WG lead; Head of Mann Library Information Technology Services, Cornell University Library
- Brian Lowe
 - ISF/VIVO ontology WG co-lead; Semantic Applications Programmer, Cornell University Library
- Kristi Holmes
 - VIVO Engagement WG lead; Bioinformaticist, Becker Medical Library, Washington University School of Medicine
- Julia Trimmer
 - Manager, Faculty Data Systems & Analysis, Duke University
- Alex Viggio
 - VIVO Implementation WG lead; FIS Lead Developer, Faculty Affairs, University of Colorado-Boulder

Jon Corson-Rikert, VIVO Development Lead
Head of Information Technology Services
Albert R. Mann Library, Cornell University
jc55@cornell.edu

What is VIVO?

What is VIVO?

- A semantic-web-based research and researcher discovery tool
 - People plus the research they do
- Publicly-visible information, across disciplines
 - For external as well as internal audiences
- An open, shared platform for connecting scholars, research communities, campuses, and countries using Linked Open Data

A brief VIVO history

- 2003-2005 First realization for the life sciences at Cornell, as a relational database
- 2006-2008 Expansion to all disciplines at Cornell, and conversion to Semantic Web
- 2009-2012 National Institutes of Health-sponsored *VIVO: Enabling the National Networking of Scientists* project transforms VIVO to a multi-institutional open source platform
- 2013-2014 VIVO incubator project with DuraSpace for open community development

Key VIVO principles

- Open software
- Open data
- Open ontology
- Open community
- Decentralized infrastructure
 - Local control

What does VIVO do?

- Integrates multiple sources of data
 - Systems of record
 - Faculty activity reporting
 - External sources (e.g., Scopus, PubMed, NIH RePORTER)
- Provides a review and editing interface
 - Single sign-on for self-editing or by proxy
- Provides integrated, filterable feeds to other websites

What does VIVO model?

- People and more
 - Organizations, grants, programs, projects, publications, events, facilities, and research resources
- Relationships among the above
 - Meaningful
 - Bidirectional
 - Navigable context
- Links to URIs elsewhere
 - Concepts, identifiers
 - People, places, organizations, events

People

http://vivo.cornell.edu/display/individual5320

Cornell University


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VIVO | Research & Expertise
Across Cornell

Search

Home | People | Organizations | Research | Events



Abawi, George Samuel | Professor

[+ Help Improve VIVO](#)

[Co-Auth](#)

Positions

- ▶ [Plant Pathology at Geneva](#), Professor

George S. Abawi is a professor of Plant Pathology and International Agriculture at Cornell University. He received his MSc. And Ph.D. degrees from Cornell. He was a Postdoctoral Fellow in Plant Nematology at Cornell from 1970 to 1972, after which he was appointed as a faculty member in the Department of Plant Pathology at the NYS Agric. Expt. Station, Cornell – Geneva. The major area of his research responsibility deals with Vegetable Pathology, with emphasis on the biology and the integr (... [more](#))

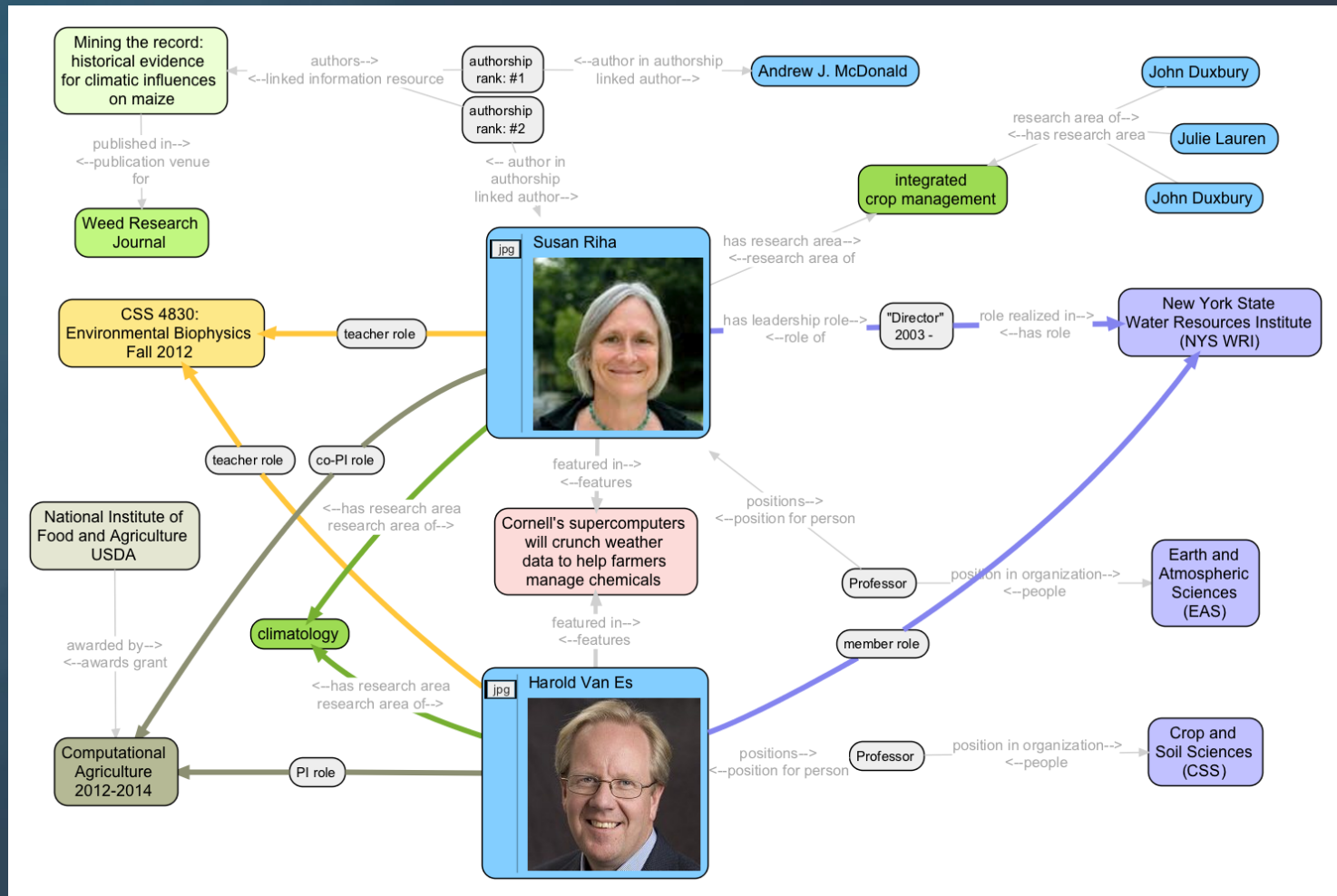
Research Areas

- [plant pathology](#) collaborative research area (CALs)

[Contact information](#)

[RDF](#)

People and what they do



Co-Author Network [\(GraphML File\)](#)

Profile



Riha, Susan Jean

Charles L. Pack Professor in t...

[VIVO profile](#) | [Co-author network](#)

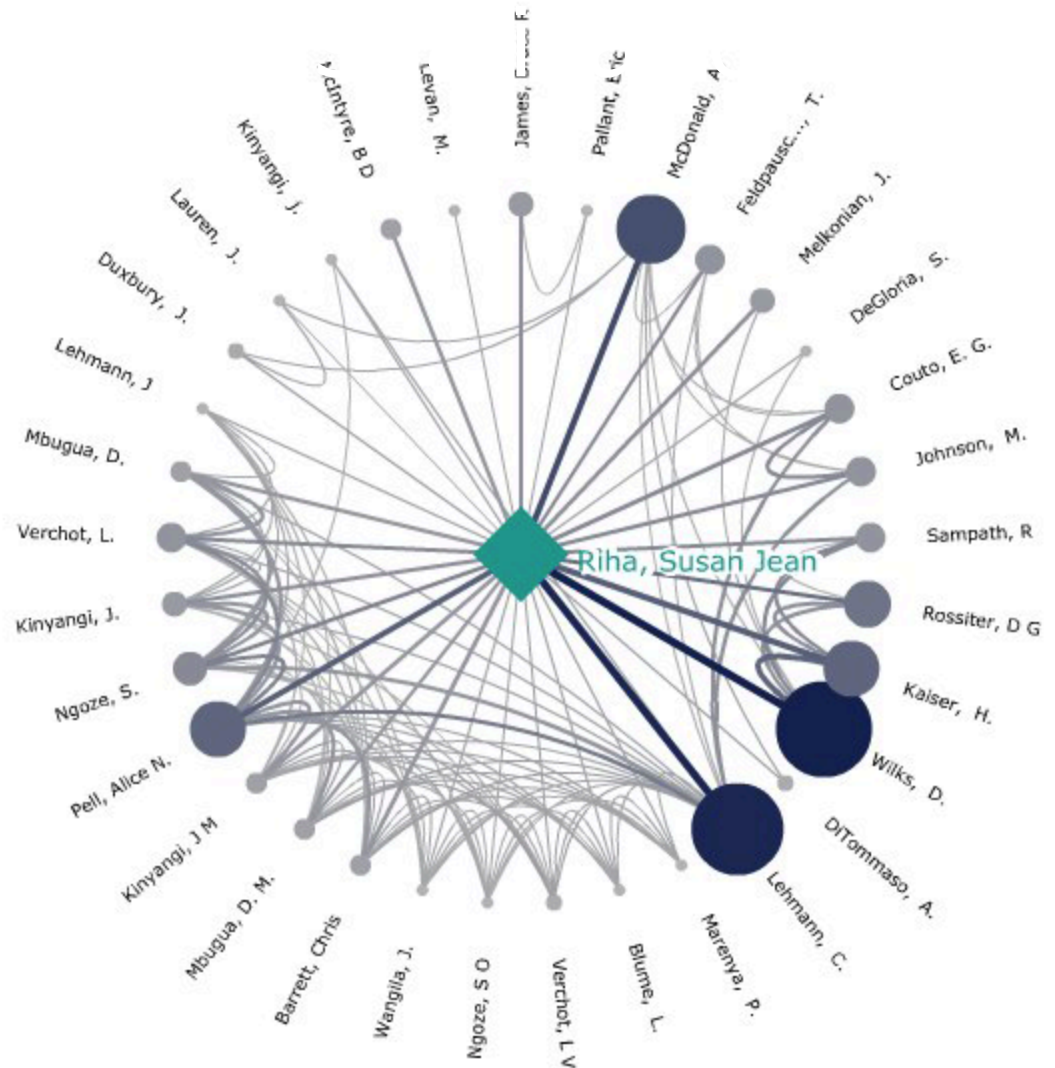
132 Publication(s)

33 Co-author(s)

1980 First Publication

2010 Last Publication

Note: This information is based solely on publications which have been loaded into the VIVO system. This may only be a small sample of the person's total work.



Typical data sources

- HR – people, appointments
- Research administration – grants & contracts
- Registrar – courses
- Faculty reporting system(s)
 - publications, service, research areas, awards
- Events calendar
- Internal and external news
- External repositories – e.g., Pubmed, Scopus

Value for institutions

- Common data substrate
 - Public, granular and direct
 - Discovery via external and internal search engines
 - Available for reuse at many levels
- Distributed curation
 - E.g., affiliations beyond what HR system tracks
 - Data coordination across functional silos
 - Feeding changes back to systems of record
 - Direct linking across campuses
- Data that is visible gets fixed

Enter data once, use it many times

VIVO Research & Expertise Across Cornell

Index | Site Admin | Jon

Home | People | Organizations | Research | Events

Cornell University
Chemistry and Chemical Biology

Search

Chemistry and Chemical Biology | Cornell

Research | Faculty | Undergraduate | Graduate | Courses | Events and News | Directories

You are here: [Chemistry and Chemical Biology](#) > [Faculty](#) > [Faculty Detail](#)

Abruña, Héctor D

E. M. Chamot Professor

email: hda1@cornell.edu
phone: 607-255-4720
room: Olin Chemistry Research Wing

Overview

The Abruña Group focuses on the development and characterization of new materials using a wide variety of techniques for fuel cells, batteries, and molecular assemblies for molecular electronics.

Research

Our research effort takes an interdisciplinary approach to the study of electrochemical phenomena. We employ electrochemical techniques as probes of a variety of chemical systems, and we use other techniques such as x-ray based methods, differential electrochemical mass spectrometry, in-situ FT-IR, scanned probe microscopies, scanning electrochemical microscopy, low temperature conductance and spectroscopic techniques to address problems of electrochemical interest. Current areas of research include:

1. Fuel cells:
 - The use of ordered intermetallics, such as BiPt for the electrocatalytic oxidation of formic acid, methanol, ethanol and other small organic molecules of potential utility as fuels in fuel cells.
 - Use of Differential Electrochemical Mass Spectrometry (DEMS), in-situ FT-IR in for mechanistic studies related to fuel cells.
 - Development of in-situ TEM techniques for the study of fuel cell and battery materials
2. Electrical Energy Storage (EES): Batteries and Supercapacitors
 - Computational screening synthesis and characterization of organic molecules for EES
 - In-situ testing of battery systems using in-situ x-ray based technique (XRD, EXAFS, XANES)

Other Affiliations

- Lithium/sulfur batteries

Web Pages

- [Abruña Group](#)
- [Chemistry and Chemical Biology profile](#)

Affiliation

head of

- [Cornell Fuel Cell Institute \(CFCI\)](#)

Research Areas

- [Chemistry and Chemical Biology](#)

Positions

- [Chemistry and Chemical Biology](#)

Preferred Title

Emile M. Chamot Professor

Contact information

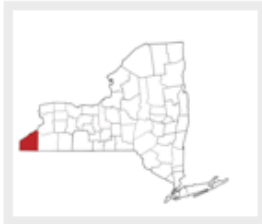
RDF

Admin Panel [Edit this individual](#)

Resource URI: <http://vivo.cornell.edu>

Affiliation | **Research** | **Publications** | **Teaching**

VIVO 2013



Cornell Cooperative Extension Association of Chautauqua County

Cornell Cooperative Extension Association [↗](#)

WELCOME

For almost a century, Cornell Cooperative Extension has worked in partnership with Chautauqua County government and Cornell University to address priority needs in agriculture, environment and energy, youth development, family services, and extended stewardship. Our signature programs continue to provide residents with valuable and unique access to scientific research and practical education—enabling individuals to improve their lives and communities.

We continue to change our direction as the needs in the community change as well. Although change is never easy, it does bring new opportunities to learn, grow and expand our programs and outreach efforts.

Cornell Cooperative Extension's access to university-based expertise is critically important to the vitality of our local economy. Residents, businesses and others rely on us for training and research-based programs that help them improve their quality of life and their communities.

"The road is not a woman to be feared, but a lion to be tamed." Today, we continue an enduring commitment for inclusiveness and collaboration to spread knowledge and sustain lifelong learning. Of course, we could not do all of this work without the help of our volunteers who donate over 10,000 hours annually to support our signature program areas.

We invite you to take a tour of our website to learn more about our association, signature program areas and how you can become a member and/or volunteer.

FOR MORE INFORMATION

Cornell Cooperative Extension of Chautauqua County
3542 Tupper Road
Junkinsville, New York 14753
(716) 864-5322 (phone)
(716) 864-5322 (fax)
chautauqua@cornell.edu

2012 Board of Directors

Yuse Profarone, President
Cheryl Wahlstrom, Vice President
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Ted Card, Agr. Representative
Greg White, Agr. Representative

CCE Chautauqua Web Page

Overview

local program

[4-H Beef Breeding Project at CCE Chautauqua](#)

[4-H Clothing and Textiles at CCE Chautauqua](#)





CALS Research and Impact

Information about CALS research projects and their impact throughout the world

HOME

FEATURED PROJECTS

BROWSE PROJECTS

PROJECT LOCATIONS

Find CALS projects by date, geographic focus, or other criteria

995 projects

Mentor junior extension faculty in journal submission

2009 to 2012

Over the past two years, I have engaged a number of (7) EDI extension professionals in the writing of ten articles (Melissa Bjelland, Arun Karpur, Sarah von Schrader, Thomas Golden, Ray Cebulla, Sukeong Pi, Carol Blessing), as well supported Melissa Bjelland and Doug Webber in working on two articles to complete responsibilities on two grants that I oversee.

Nutritional needs of the developing chick embryo

2007 to 2008

Eggs contain approximately 200 mg of cholesterol. This project will determine how much of this cholesterol is needed for chick embryo development and will determine the consequences of cholesterol deficiency for the developing embryo.

CCE educators lend garden-based learning knowledge to Cornell students

2008 to 2009

Cornell Cooperative Extension educators increasingly find it challenging to make meaningful connections in a "too busy" world. In addition, they rarely have opportunities to engage with Cornell undergraduate. This is unfortunate for the educators, who benefit from the innovative engagement with the students, and for the students, who benefit from the real world connections and mentoring opportunities offered by interacting with educators.

SEARCH



FILTER BY NEW YORK STATE FOCUS:

- New York (424)
- Tompkins (89)
- Ontario (66)
- Delaware (63)
- Cayuga (62)

Show more

FILTER BY UNITED STATES FOCUS:

- New York (424)
- Pennsylvania (133)
- Vermont (99)
- Massachusetts (93)
- New Jersey (81)

Show more



CALS Research and Impact

Information about CALS research projects and their impact throughout the world

HOME

FEATURED PROJECTS

BROWSE PROJECTS

PROJECT LOCATIONS

International and domestic locations where CALS research focuses

International

United States

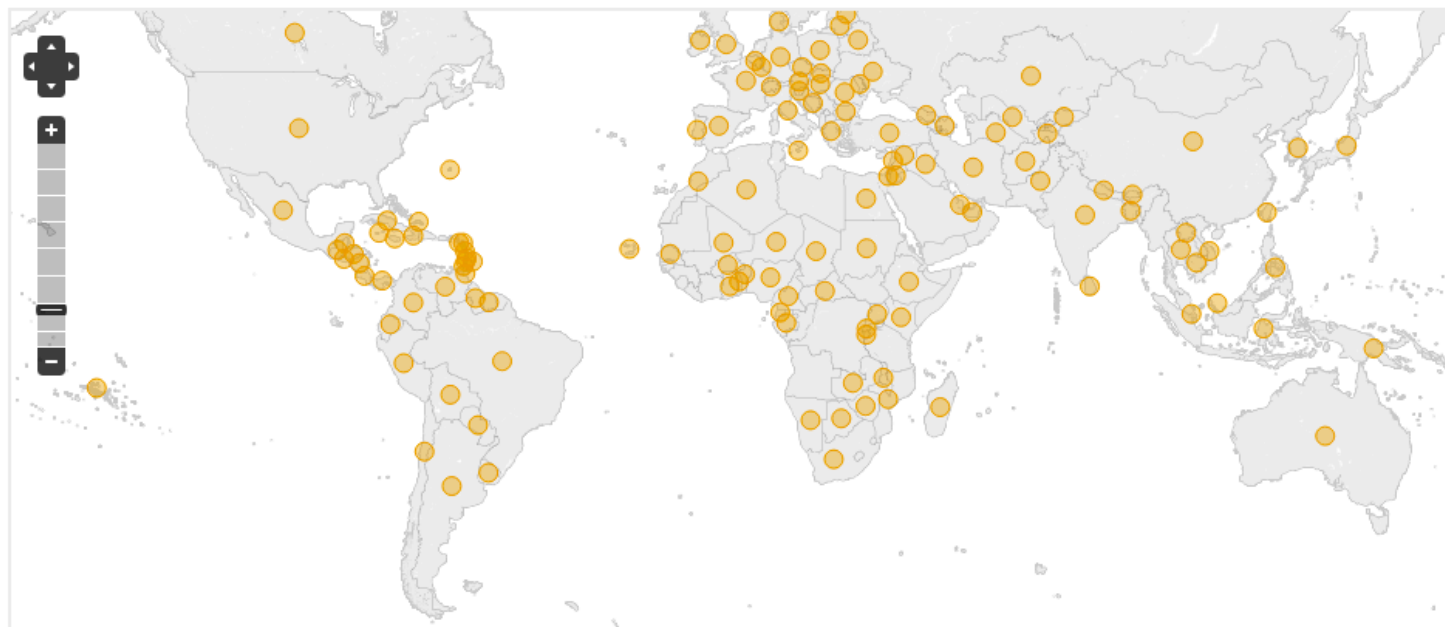
New York State

International

280 projects focusing on 142 countries

- Choose a country -

Show projects



Atmospheric & space physics

The image shows two overlapping screenshots of the Laboratory for Atmospheric and Space Physics (LASP) website. The left screenshot displays the profile of Thomas N. Woods, Associate Director of Technical Divisions. It includes a photo, a QR code, a bio, and a list of research areas: Astrophysics and Solar Physics. The right screenshot shows the page for the Total Irradiance Monitor (TIM) instrument, featuring a photo of the instrument, a description of its function, and a list of supported publications.

Woods, Thomas N | Associate Director of Technical Divisions

Dr. Tom Woods is Associate Director of Technical Divisions at the Laboratory for Atmospheric and Space Physics (LASP) at the University of Colorado. He obtained his BS in Physics in 1981 from Southwestern at Memphis (now Rhodes College) and his PhD in Physics in 1985 from the Johns Hopkins University under the direction of Dr. Paul Feldman. Tom joined LASP in 1987 to work on the UARS SOLSTICE program under the direction of Dr. Gary Rottman. He originally served as the SORCE Project Scientist (... [more](#))

Research Areas

[Astrophysics](#) | [Solar Physics](#)

Publications in VIVO

3 in the last 10 full years (14 total)

[Co-Author Network](#)

[Map Of Science](#)

Affiliation | **Publications**

Affiliation

Principal Investigator Of

- [Extreme Ultraviolet Variability Experiment \(EVE\)](#)
- [Solar Extreme Ultraviolet Experiment \(SEE\)](#)
- [Solar Radiation and Climate Experiment \(SORCE\)](#)
- [Solar Stellar Irradiance Comparison Experiment \(SOLSTICE\)](#)

Total Irradiance Monitor (TIM) | Instrument

Overview | **Publications** | **Other**

Overview

Description

The Total Irradiance Monitor (TIM) measures the total amount of radiation coming from the Sun. The sensor uses what is known as an absolute radiometer and houses four cone-shaped cavities. One of the cavities has an oscillating shutter that allows direct sunlight to shine into one of the cones. The material in the cone absorbs nearly all the Sun's energy and heats up. By measuring the voltage needed to bring this heated cone back to the same temperature as one of the other "reference" cones, which are kept at a constant temperature, the instrument can obtain an extremely accurate reading of the TSI in watts.

Is an Instrument on

[SORCE \(January 25, 2003 – Present\)](#)

Publications

supported publications

- [A new, lower value of total solar irradiance: Evidence and climate significance](#)
- [Intercomparison of SCIAMACHY and SIM vis-IR irradiance over several solar rotational timescales](#)
- [Solar total irradiance in cycle 23](#)

Flight Equipment

[Instrument \(42\)](#)

[▶ Space Craft \(8\)](#)

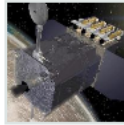
Space Craft

[▶ All](#) [A](#) [B](#) [C](#) [D](#) [E](#) [F](#) [G](#) [H](#) [I](#) [J](#) [K](#) [L](#) [M](#) [N](#) [O](#) [P](#) [Q](#) [R](#) [S](#) [T](#) [U](#) [V](#) [W](#) [X](#) [Y](#) [Z](#)



[Cassini Orbiter](#)

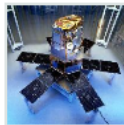
[POLAR](#)



[Solar Dynamics Observatory \(SDO\)](#)



[Solar Mesosphere Explorer \(SME\)](#)



[Solar Radiation and Climate Experiment \(SORCE\)](#)



[Student Nitric Oxide Explorer \(SNOE\)](#)



My Collections

Create new collection

Curated Ecology Datasets	14 datasets	4 citations	4 publication links
Institutional Philosophy Datasets	21 datasets	1 citations	0 publication links
Curated Biology Datasets	1 datasets	24 citations	4 publication links
Entomology Datasets	14 datasets	0 citations	0 publication links
Analytics and Discovery Datasets	4 datasets	4 citations	4 publication links



Archaeological Findings | All datasets

Cited
14
times

All citations

Linked to
23
publications

All links

Related datasets
2

All related datasets

Part of
2 projects
9 collections

Identifier

DOI: 123234

Authors

Hardy, Thomas
Jehan Sorour

Contributors

Dickens, Charles

Description

Description lorem ipsum dolor sit amet, consectetur adipiscing elit. Vivamus viverra commodo purus sed euismod. Vestibulum volutpat pellentesque mauris, quis fringilla augue feugiat eget. Nulla quis nibh ac ligula condimentum mollis. Ut sit amet arcu diam, vel ornare dui. Aliquam vestibulum sodales mi non ultrices. Morbi tristique laoreet imperdiet. Proin

Cite this dataset:
Why Cite?

Thomas, Hardy,
URL: www.urlsample.com

Rights and Restrictions:
Rights and restrictions
content.



Library Catalog Beta

Selected items

Search history

Refine your results

Access ⊖

At the Library 613
Online 128

Format ⊖

Book 688
Musical Recording 39
Video 10
Journal 7
Musical Score 6

Author/Creator ⊕

Publication year ⊕

Language ⊕

Subject/Genre ⊕

Subject: Region ⊕

Subject: Era ⊕

Fiction/Non-fiction ⊕

Call number ⊕

Library location ⊕

VIVO

All Fields

Search

or [Start over](#)

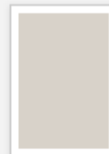
[Advanced search](#)

VIVO ×

[« Previous](#) | 1 - 20 of 752 | [Next »](#)

20 per page ▾

Sort by relevance ▾

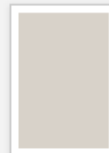


1. VIVO 2003-

Select

Ithaca, N.Y. : Cornell University Library, 2003- English

✓ Online



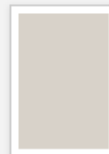
2. In vivo

Select

In vivo (Norwalk, Conn.)

Journal Norwalk : Windhover Information Inc., English

✓ Multiple locations



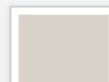
3. Dinheiro Vivo

Select

Dinheiro Vivo (Online)

Journal [S.L.] : [s.n.]

✓ Online

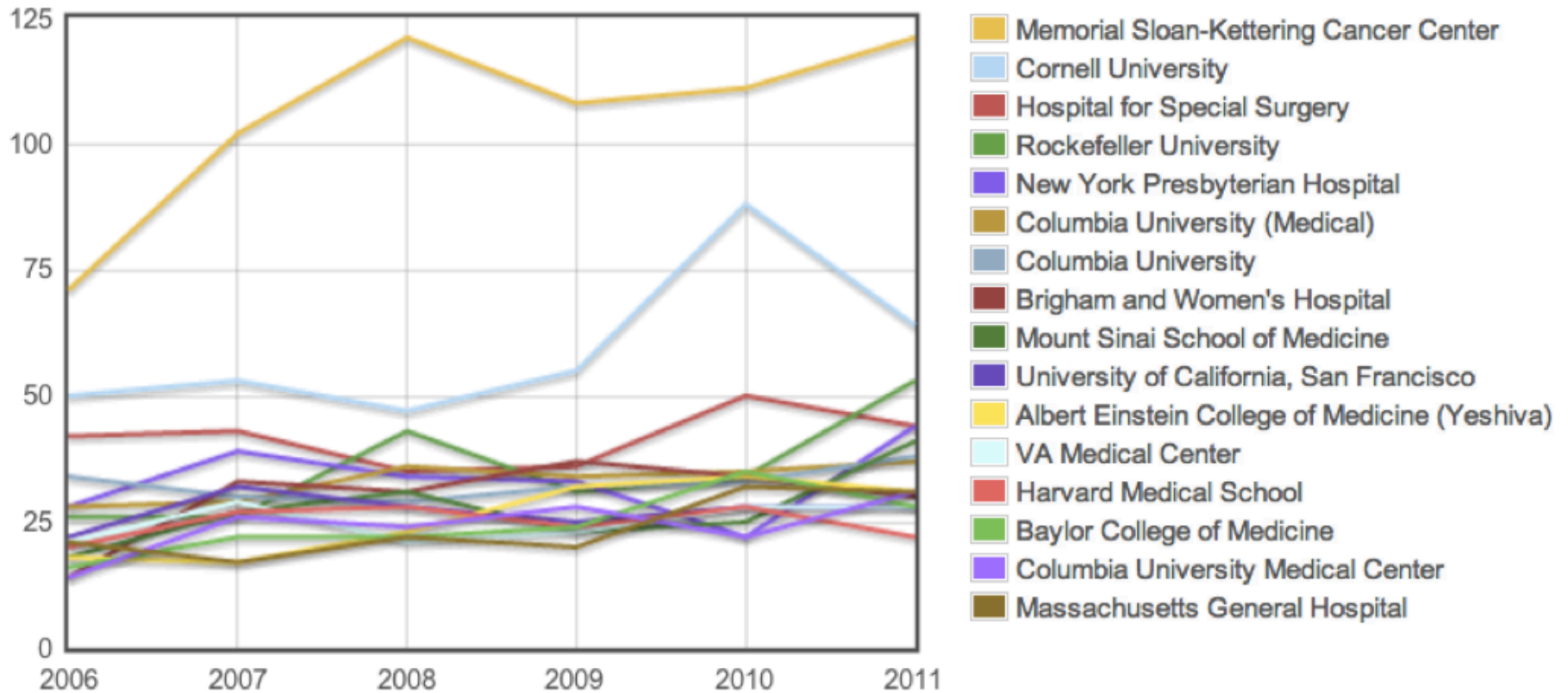


4. In vivo neuromethods c1998

Select

General neurochemical techniques.

Weill Cornell research reporting



Publications

Co-Authors

Dual
Appointments

Post-M.D.
Appointments

Global Health

Request
Analysis

All Most Cited

By Person

By Organization

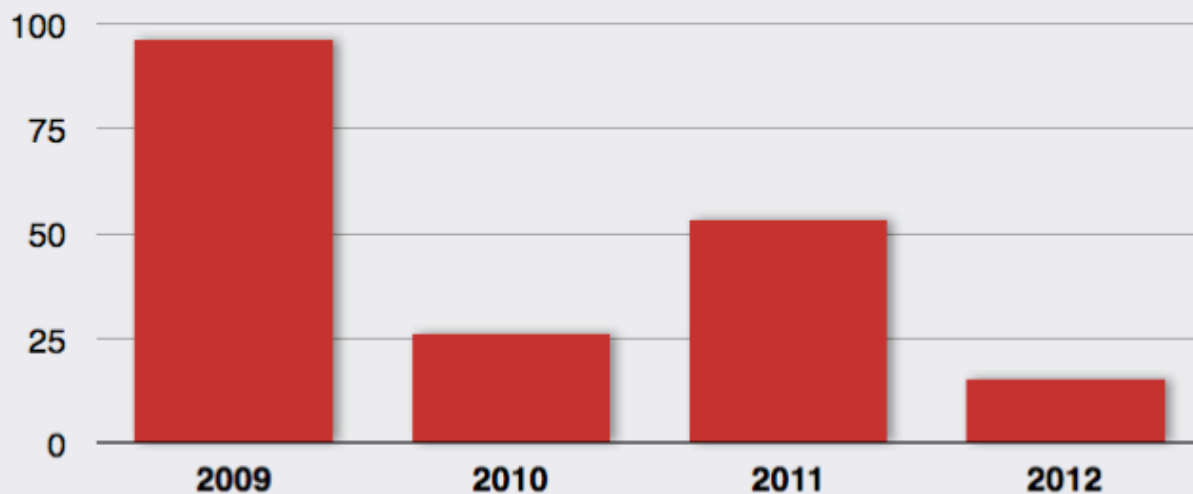
PubMed Central Deposits

Papers created with federal funding but not deposited in PubMed Central

Graph

List

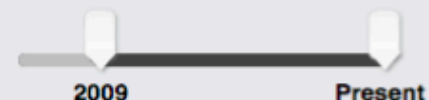
Create Alert



Federal law mandates publications resulting from NIH-funded research must be deposited in the open access archives PubMed Central within twelve months...[Read more](#)

Refine Results

Year



Publication Type

- Academic Article
- Comment
- Conference Paper
- Editorial
- In Press
- Letter
- Review

Organization

Cardiothoracic Surgery

Cardiology (Pediatrics)

Cardiology (Medicine)

Cardiothoracic Surgery

Otolaryngology

Questions from Weill Cornell

- Leadership
 - Which publications produced in the last quarter are by our authors with first or last author rank?
- Collaboration
 - Which PIs have the most collaborations based on grant support?
 - How has the number of publications co-authored with other institutions changed year to year?
- Policy
 - Who are our institution's open access key opinion leaders?
- Impact
 - In any given year, which papers have the most incoming citations?
 - Which researchers have published the most research articles within a given set of journals in the past 5 years?
- Compliance
 - Which papers that have received federal funding are not deposited in PubMed Central?

Policy issues

- Dirty data
- Lack even of common definitions of organizational structure or who's faculty
- Data ownership
- Opt-in vs. opt-out and the many dimensions of privacy
- Short-term “go it alone” vs. common good

Brian Lowe

Semantic Applications Programmer

Mann Library, Cornell University

bjl23@cornell.edu

VIVO as a Semantic Web Application

The Semantic Web

- Turn data into a web of simple links
- Use *ontology* to explain *how* things are linked
- Use *reasoning* to add new links automatically
- Be flexible and extensible

The VIVO ontology

- Describe people, organizations, and research resources in the **process** of doing research
- Stay discipline neutral
- Use existing scientific domain terminology to describe **content** of research

CTSAconnect and the ISF

- VIVO and eagle-i project for research resources have unified their ontologies and extended both into the clinical domain
- The unified ontology is known as the Integrated Semantic Framework, or ISF
- VIVO 1.6 and eagle-i's next release use the ISF
- This ISF is modular to allow selective data population based on local needs

What is Linked Open Data?

- Data
 - Structured information, not just documents with text
 - A common, simple format
- Open
 - Available, visible, mine-able
 - Anyone can post, consume, and reuse
- Linked
 - Directly by reference
 - Indirectly via common references and inference

Linked Open Data

The image shows a web browser window displaying a VIVO profile for Michael Conlon. The browser's address bar contains the URL <http://vivo.ufl.edu/individual/n25562>, which is highlighted with a red box. The VIVO logo and tagline "Enabling National Networking of Scientists" are visible at the top. The profile header identifies Michael Conlon as an Associate CIO for IT Architecture. A "description" section provides details about his roles and education. A blue arrow points from the profile to a "marbles" overlay window on the right. This window shows the profile's metadata, including its type (Person, Thing, Agent, FacultyMember, Faculty) and a list of related URIs. A network graph visualization is shown at the bottom of the overlay, with a blue arrow pointing to it from the profile's description area.

<http://vivo.ufl.edu/individual/n25562>


Conlon, Michael

VIVO Enabling National Networking of Scientists

Home People Academic Units Research Events & Seminars Index

Conlon, Michael Associate CIO, IT Architecture

[Personal web page](#) | [Clinical and Translational Science Institute Home Page](#) | [VIVO Home](#)



description

Dr. Conlon is Associate CIO for IT Architecture, interim Director of Biomedical Informatics in the Associate Director of the university's Clinical and Translational Science Institute, and Principal IT Architect for the National Networking of Scientists. His responsibilities include development of academic biomedical integration of research and clinical information resources as well as strategic planning for university IT. Previously Dr. Conlon served as Chief Information Officer of the University of Florida Health Science Center, responsible for network and video services, desktop support, media and graphics, application development, teaching and learning, planning and distance learning. He earned his Ph.D. degree in Statistics from the University of Florida, and degrees in Mathematics and Economics from Bucknell University, and is the author of over 150 peer-reviewed articles.

Open

Conlon, Michael

type

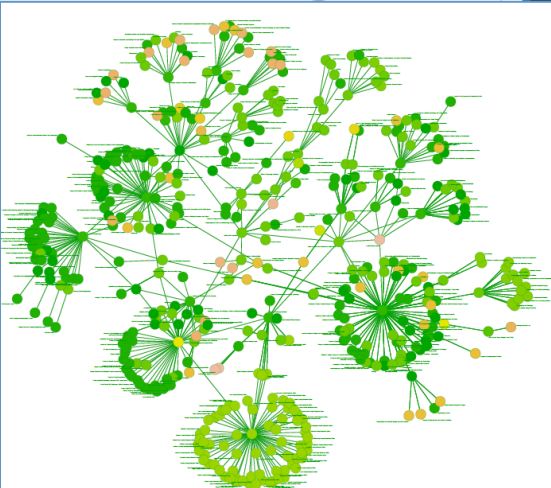
- [Person](#)
- [Thing](#)
- [Agent](#)
- <http://vivoweb.org/ontology/core#FacultyMember>
- <http://vivoweb.org/ontology/core#Faculty>

label

- Conlon, Michael

<http://vivoweb.org/ontology/core#featuredIn>

- <http://vivo.ufl.edu/individual/n6868>
- <http://vivo.ufl.edu/individual/n3884>
- <http://vivo.ufl.edu/individual/n6584>
- <http://vivo.ufl.edu/individual/n180>
- <http://vivo.ufl.edu/individual/n1162>



<http://vivoweb.org/ontology/core#featuredIn>

Linked data in AGRIS

Source:

Centralna Biblioteka Rolnicza/Central Agricultural Library

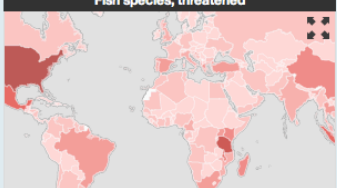
CBR is a scientific library subordinated to the Ministry of Agriculture and Rural Development. It has branch in Pulawy. CBR collections - thematically restricted to agriculture, food processing industry and rel [...]

HOME PAGE: <http://www.cbr.edu.pl/eng/index.php>

COVERAGE: Europe

Data from World Bank (double-click an area to zoom)

Fish species, threatened




Fish species, threatened

1 212


Thunnus obesus distribution map. Data from Global Biodiversity Information Facility (GBIF)

Map Satellite



View a larger map

Thunnus obesus - Global Capture Production (FAO Fishery Statistic)



Length-frequency compositions and weight-length relations for bigeye tuna, yellowfin tuna, and albacore (Perciformes: Scombrinae) in the Atlantic, Indian, and eastern Pacific oceans [2008]

[RDF](#) [Iod](#) [live](#)

Zhou, Y.
Zhu, G.
Dai, X., Tuna Fishery Technical Working Group of China, Shanghai, China
Xu, L., Shanghai Ocean University, Shanghai (China). College of Marine Sciences

Abstract:

Bigeye tuna, *Thunnus obesus* (Lowe, 1839), yellowfin tuna, *Thunnus albacares* (Bonnaterre, 1788), and albacore, *Thunnus alalunga* (Bonnaterre, 1788), are very important species for world fisheries. The weight-length relations (WLRs) of the three species were studied using commonly accepted methodology. Significant differences can be found from the fork length distributions and the WLRs of the above 3 tuna species and the relations of gilled-gutted and whole weight of bigeye and yellowfin tunas collected from the Atlantic, Indian, and Eastern Pacific Oceans. Significant differences of fork length distributions can be found for bigeye tuna, yellowfin tuna, and albacore from the three areas. The data collected will be useful for the fisheries management of the three species studied

Read the article: <http://www.aiep.pl/>

[R](#) [1](#) [0](#)

Agrovoc Keywords:

- Thunnus obesus
- body weight
- Atlantic Ocean
- fishery data
- statistical data
- Animal growth forms
- Tuna
- Indian Ocean
- Thunnus albacares
- Thunnus alalunga
- Animal physiology
- Pacific Ocean
- Thunnus
- Fishery production
- body measurements
- Fishery management
- Animal developmental stages

Acta Ichthyologica et Piscatoria (Journal)

FREQUENCY: Semiannual (2 numbers a year)

START DATE: 1972

Agris articles from the same journal:

- On the occurrence of Salomon (*Salmo salar* L.) in the Szczecin Firth and the Lower Odra in 1977 [Poland].
- Wplyw detergentu DBS na aktywnosc niektórych enzymow mozgu, skrzeli i surowicy narybku karpia (*Cyprinus carpio* L.).
- Attainment of sexual maturity by hybrids of rudd, *Scardinius erythrophthalmus* (L.) and carp bream, *Abramis brama* (L.) under experimental conditions
- No relationship between fecundity and annual reproductive rate in bony fish

Data from www.nature.com

- Climatology: Extremes in the Indian Ocean
- Marine biogeochemistry: The ups and downs of ocean oxygen
- Earth science: Subtle minds and mid-ocean ridges
- Ocean-atmosphere coupling: Mesoscale eddy effects

Data from **DBPedia**:

- Body weight
- Atlantic ocean
- Tuna
- Indian ocean
- Thunnus
- Pacific ocean

Search augmented by linked data

OpenAGRIS Find resources... AGRIS About Feedback

Search Results

Query: maize
Results 1 - 10 of 68,194

Maize based cropping systems for sustainable agriculture in semi-arid areas of Ethiopia

Habtamu Admasu; Reddy, M.S.; Teshale Alemu; Jibril Mohamed (IAR, Addis Abeba (Ethiopia))

In peasant subsistence agriculture use of appropriate cropping systems enable the farmers to use natural resources efficiently. Lack of appropriate cropping systems to suit maize production was identified as one of the major production constraints in the semi-arid areas of Ethiopia. To alleviate this problem the possibility of intercropping, relay cropping or alley cropping of maize with efficient legumes, and development of appropriate crop rotation system for improved maize production in the d ...

In AGRIS collection since: 1997

Pigeonpea intercropping in maize based cropping systems

Karsono, S.; Flyod, C. (Balai Penelitian Tanaman Pangan Malang (Indonesia))

In Probolinggo area the predominant maize based "legal" (dry land) cropping system is a rainy season maize monocrop followed by a maize/lab-lab bean intercrop. The maize in the maize/lab-lab intercrop is harvested shortly after the end of the reliable rainy season. The lab-lab bean grows through into the dry season, utilizing residual soil moisture and the variable late rains. Pigeonpea could be used in a similar way to lab-lab bean to utilize dry season soil moisture. A randomized block field e ...

In AGRIS collection since: 1994

Breeding of speciality maize for industrial purposes

Pajic, Z., Maize Research Institute Zemun Polje, Belgrade - Zemun (Serbia); Radosavljevic, M., Maize Research Institute Zemun Polje, Belgrade - Zemun (Serbia); Filipovic, M., Maize Research Institute Zemun Polje, Belgrade - Zemun (Serbia); Todorovic, G., Institute for Medicinal Plant Research Dr Josif Pancic, Belgrade (Serbia); Srdic, J., Maize Research Institute Zemun Polje, Belgrade - Zemun (Serbia); Pavlov, M., Maize Research Institute Zemun Polje, Belgrade - Zemun (Serbia)

The breeding programme on speciality maize with specific traits was established at the Maize Research Institute Zemun Polje, Belgrade - Zemun (Serbia) several decades ago. The initial material was collected, new methods applying to breeding of speciality maize, i.e. popping maize, sweet maize and white-seeded maize, were introduced. The aim was to enhance and improve variability of the initial material for breeding these three types of maize. Then, inbred lines of good combining abilities were d ...

In AGRIS collection since: 2010

Determination of plant population and planting time in maize (*Zea mays* L.) and climbing bean (*Phaseolus vulgaris* L.) intercropping system

Negash Geleta (Bako Agricultural Research Center, Bako (Ethiopia)); Chemeda Daba (Bako Agricultural Research Center, Bako (Ethiopia)); Setegn Gebeyehu (Bako Agricultural Research Center, Bako (Ethiopia))

The experiment was conducted at Bako research center in 1998 and 1999 cropping seasons. The objectives of the study were to determine agronomically optimum plant population of maize and climbing bean in an intercropping system; and to determine appropriate planting time of climbing bean to be grown with maize for high total system productivity. Factorial combinations of three maize plant populations (50, 75 and 100% of optimum planting densities attained by planting 2 seeds per hill spaced at 10 ...

In AGRIS collection since: 2005

Effects of groundnut and green manure legumes intercropped to maize on yields of the intercrop maize, weeds and moisture of black clay soil

Annat Suwanarit; Jarong Rungchuang; Somporn Thongdang (Kasetsart Univ., Bangkok (Thailand), Faculty of Agriculture, Department of Soil Science)

Field experiment was conducted on Takhli soil series (Typic Calcicustolls) in a farmer's field in Pakchong, Nakhon Ratchasima, to examine effects of intercropping groundnut and green manure legumes to maize on the yields of the intercrop maize, weed incidence and moisture status of the soil, as an effort to find green-manure legumes that could be intercropped to maize with minimum detrimental effect on the intercrop maize and could continue to grow during the fallow period after harvest of the int ...

In AGRIS collection since: 2005

Refine your search

Sort by:
 Relevance
 Submission Date

Order:
 Ascending Descending

[Refine Search](#)

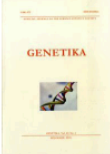
Results research area

- zeo mays (24442)
- maize (11422)
- crop yield (4069)
- varieties (2445)
- hybrids (2373)
- yields (2280)
- growth (1710)
- silage (1660)

Data from Europeana

Genotype and environmental interaction effect on heterosis expression in maize

Kresović Branka J.



Publication date: 2004
Language: sr
Data provider: Narodna biblioteka Srbije - National Library of Serbia (NLS)
Type: TEXT
[Go to reference](#)

Quality protein maize: QPM

Breeding of maize types with specific traits at the Maize Research Institute, Zemun Polje

Maize rough dwarf - Maize rough dwarf fivivirus

Biotechnology in maize breeding

Data from [www.nature.com](#)

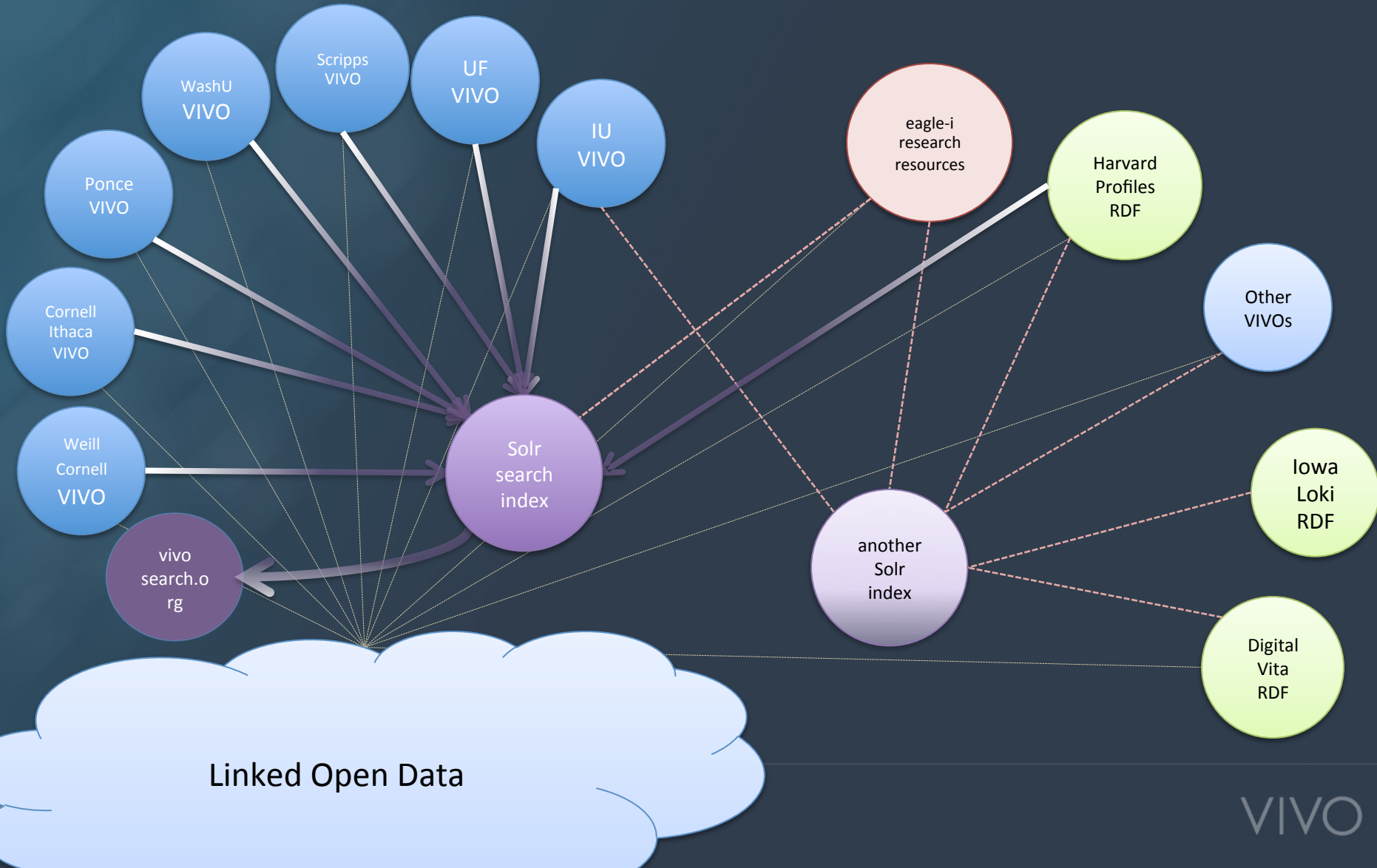
A crop of maize variants

A transposon in <|>tb1</|> drove maize domestication

US processor rejects maize that EU won't take

A cornucopia of maize genes

VIVO data indexed for search



VIVO Search BETA

Known Issue: Data for Cornell University and Indiana University is incomplete. We continue to gather complete data from the seven partner institutions.

Find research and expertise

Enter keywords...

- Publications
- People
- Publications
- Organizations
- Activities
- Events
- Courses
- Equipment



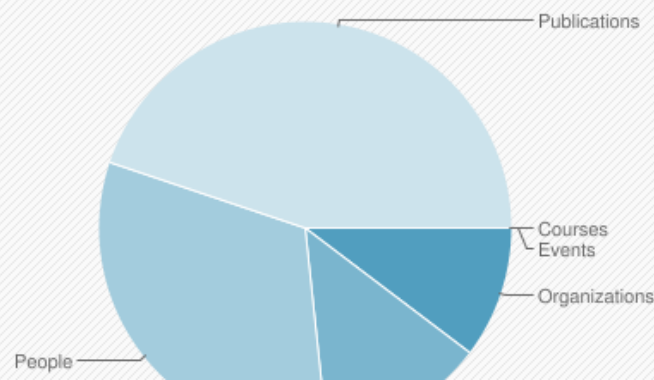
People include faculty members, librarians, and staff.
Try these keywords: [alternative energy](#)

A demonstration of multi-institutional search

A group of seven top research institutions dedicated to facilitating global research efforts recognize the challenges faced by researchers in uncovering parallel and related efforts, and have decided to join forces in standardizing the way institutional data gets published. Each institution uses the VIVO software to manage and publish up-to-date information about researchers and their activities.

This website provides a working example of how a multi-institutional search functions, allowing you to search across all seven partner institutions and across all disciplines to find people and information that could dramatically

Distribution of Institutional data



Find research and expertise

child abuse People

- People**
- Publications ⁴⁴
- Organizations ¹⁶
- Activities ¹²
- Events
- Courses
- Equipment

45 results

- Eckenrode, John**

... : BUILDING INFRASTRUCTURE AND CAPACITY: ARRA FUNDING NATIONAL DATA ARCHIVE ON **CHILD ABUSE** AND NEGLECT AT CORNELL UNIVERSITY AGE-27 FOLLOW-UP OF EARLY ...

Cornell University
- Nackashi, John A**

... - Fifth Judicial Circuit **Child Abuse** Prevention Project (Capp) District 3 Capp Program District XIII North Florida Area Health Education Centers Program ...

University of Florida
- Nunno, Michael A**

... and Understanding **Abusive** Families, **Child Abuse** and Neglect: An International Journal, Children and Society, Protecting Children, Children and Youth Services Review ...

Cornell University
- Thomas, Margaret Gilboy**

... PROJECT **CHILD** AND SPOUSE **ABUSE** PREVENTION: UNITED STATES MARINE CORPS ARMY COMMUNITY SERVICES PROGRAM ACCOUNTABILITY DOD EXCEPTIONAL FAMILY MEMBER PROGRAM ...

Cornell University

Results by Institution

Cornell University	16
WashU in St. Louis School of Medicine	9
Harvard University	8
University of Florida	7
Weill Cornell Medical College	4
Indiana University	1
Ponce School of Medicine	0
The Scripps Research Institute	0

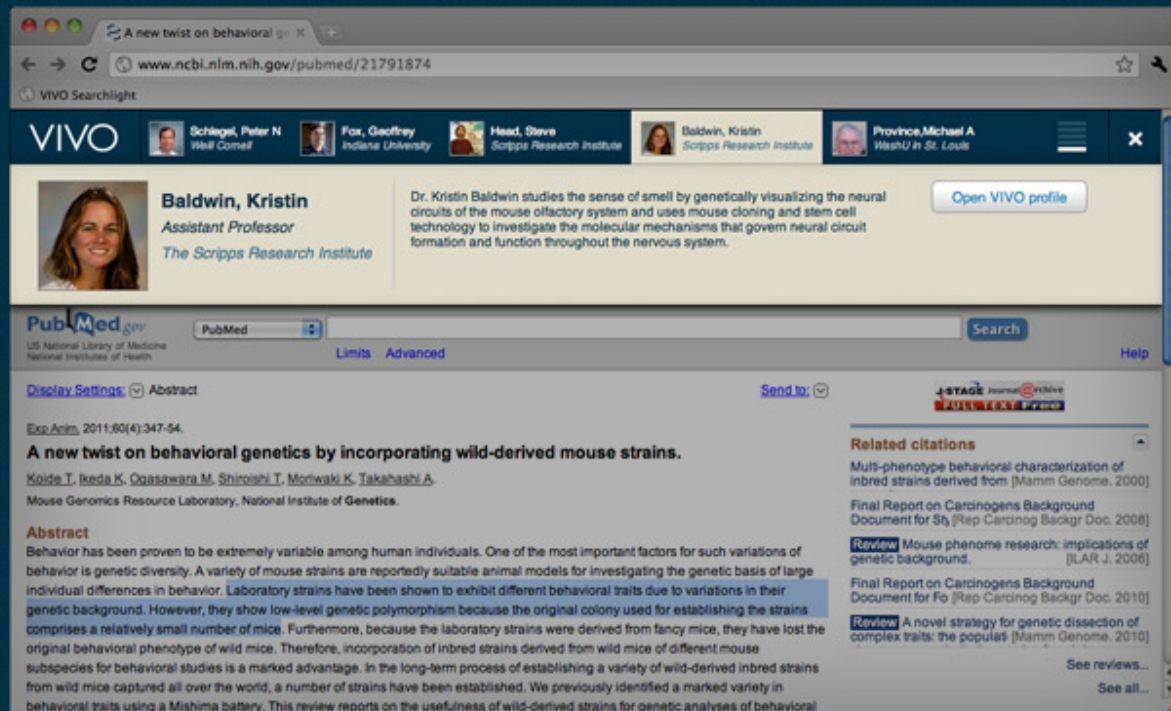
Results by Type

Faculty Member	34
Non-Faculty Academic	9
Non-Academic	2

VIVO Searchlight

A convenient way to find researchers

Searchlight is a small app that automatically shows you VIVO profiles related to the page you're reading.



The screenshot shows a web browser window displaying a PubMed article. The address bar shows the URL www.ncbi.nlm.nih.gov/pubmed/21791874. The VIVO Searchlight interface is overlaid on the page, showing a navigation bar with the VIVO logo and several researcher profiles: Schlegel, Peter N (Weill Cornell), Fox, Geoffrey (Indiana University), Head, Steve (Scripps Research Institute), Baldwin, Kristin (Scripps Research Institute), and Province, Michael A (WashU H. St. Louis). The profile for Kristin Baldwin is highlighted, showing her name, title (Assistant Professor), affiliation (The Scripps Research Institute), a photo, and a brief description of her research: "Dr. Kristin Baldwin studies the sense of smell by genetically visualizing the neural circuits of the mouse olfactory system and uses mouse cloning and stem cell technology to investigate the molecular mechanisms that govern neural circuit formation and function throughout the nervous system." There is an "Open VIVO profile" button next to her description. Below the VIVO overlay, the PubMed article is visible. The article title is "A new twist on behavioral genetics by incorporating wild-derived mouse strains." The authors listed are Koide T, Ikeda K, Ogasawara M, Shiroishi T, Moriwaki K, Takahashi A. The abstract text is partially visible, starting with "Behavior has been proven to be extremely variable among human individuals. One of the most important factors for such variations of behavior is genetic diversity. A variety of mouse strains are reportedly suitable animal models for investigating the genetic basis of large individual differences in behavior. Laboratory strains have been shown to exhibit different behavioral traits due to variations in their genetic background. However, they show low-level genetic polymorphism because the original colony used for establishing the strains comprises a relatively small number of mice. Furthermore, because the laboratory strains were derived from fancy mice, they have lost the original behavioral phenotype of wild mice. Therefore, incorporation of inbred strains derived from wild mice of different mouse subspecies for behavioral studies is a marked advantage. In the long-term process of establishing a variety of wild-derived inbred strains from wild mice captured all over the world, a number of strains have been established. We previously identified a marked variety in behavioral traits using a Mishima battery. This review reports on the usefulness of wild-derived strains for genetic analyses of behavioral..." The PubMed interface also shows a search bar, "Limits Advanced" link, "Send to" button, and a "Related citations" section with several links to other documents and reviews.

Multi-institutional scenarios

- Multiple campuses of one university
- University and federal lab connections
 - E.g., Colorado ties with regional federal labs
- Consortia
 - 60 NIH Clinical & Translational Science Awards adopted VIVO as an ontology standard in 2011
- International
 - 13 Netherlands universities and the National Library
 - AgriVIVO.net

CTSAsearch Home

- CTSA Search
- CTSA Map
- Participation Details
- Google Search

Polyglot Home

- Federated Search

What is CTSAsearch?

CTSAsearch is a prototype demonstrating federated search using Linked Open Data published by members of the CTSA Consortium and other interested parties. To try it out, use the form below or click on the "CTSA Search" entry in the menu on the left to see a ranked list of matching investigators. Use the second form or click on the "CTSA Map" entry in the menu to visualize coauthorship amongst the matching investigators.

Search for Investigators at Multiple Institutions

Text only
 Text and UMLS concepts

Map Coauthorship for Investigators at Multiple Institutions

Text only
 Text and UMLS concepts

Current Status

- ## Total persons indexed: 72,711
- ## Total publications by those persons indexed as part of their profile: 1,129,795
- ## The harvesting times listed below are the times required to interrogate the respective SPARQL endpoints and cache the results locally at Iowa.

Currently Harvested Sites	Platform	Harvesting Time
Cornell University	VIVO	38:05
Harvard University	Profiles	1:11:33
Indiana University	SciVal Experts and VIVO	25:39
Northwestern University	SciVal Experts and VIVO	3:50:26
<i>Oregon Health Science University</i>	<i>SciVal Experts</i>	*
University of California, Davis	SciVal Experts and VIVO	1:05:48
<i>University of California, San Francisco Profiles</i>		*
University of Florida	VIVO	57:05
University of Iowa	Loki	8:11

Note: sites in italics are currently harvested by means other than SPARQL queries on LOD.

Benefits across institutions

- Sharing experience provides clarity and new ideas
- Incentives from sharing development, tools, customizations
- Potential data-level connectivity
 - Research is happening increasingly in teams that span institutions
 - Meeting the needs of short and long-term virtual organizations

International engagement



ABOUT

PROGRAM


UPDATES

Home

Home » About » Announcements »

VIVO joins CASRAI in advancing research interoperability

Posted by Asha Law on Mon, 2012-04-23 09:18

The Leaders of the VIVO Project team ([VIVO](#) ) and the Consortia Advancing Standards in Research Administration Information (CASRAI) are today announcing a collaboration to advance a common global approach to research interoperability.

VIVO is an open source ontology and software system designed at Cornell University for researchers and used in many universities in the USA that has attracted interest more widely internationally. It is based on the Semantic Web / Linked Open Data

International engagement

News Release Share Printer friendly version 





Please register to view contact details

Strategic partnership of euroCRIS and VIVO

23 November 2011 [euroCRIS](#)

euroCRIS, a not-for-profit scientific association registered in the Netherlands, and the leaders of the project team of VIVO, an open source Semantic Web software application originally developed at Cornell University, have entered into a strategic partnership.

euroCRIS (www.eurocris.org) is furthering the implementation and linking of Current Research Information Systems (CRIS) based on the Common European Research Information Format (CERIF) - commonly indicated with the acronym CERIF-CRIS - and promotes best practice in CRISs, spanning the field from raw experimental and simulated data through research management systems to research publications.

AgriVIVO



AgriVIVO

HOME

SEARCH

TOOLS

ABOUT

CONTACT

AgriVIVO is a search portal built to facilitate connections between all actors in the agricultural field, bridging across separately hosted directories and online communities. ***This is a prototype***

You can search for [people](#), [organizations](#) and [events](#). Read more on [how to have data included](#) in AgriVIVO. Read our new [F.A.Q.](#) and our [terms of use](#).

[Read more](#)



GFAR



FAO

Last import date: 12/07/2013 - Next import: beginning of August 2013

Q Search for people

Examples: "climate change", "capacity building", "rural development", "information management"

🌐 Search by location

[View map](#)

10

DATA PROVIDERS

526

PEOPLE

4,474

ORGANIZATIONS

150

EVENTS

AgriVIVO

Search



People

Organizations

Events

Current search

- plant protection

Narrow your results

plant protection

Search

Filter by expertise:

Plant Protection

45

Crop Management

39

Entomology

5

Botany

2

Information Science

2

Show more

Filter by location:

The United Kingdom Of Great Britain And Northern Ireland

17

Switzerland

14

Kenya

1

Last import date: 12/07/2013

Show map

57 people

Name: [A](#) [B](#) [C](#) [D](#) [E](#) [F](#) [G](#) [H](#) [I](#) [J](#) [K](#) [L](#) [M](#) [N](#) [O](#) [P](#) [Q](#) [R](#) [S](#) [T](#) [U](#) [V](#) [W](#) [X](#) [Y](#) [Z](#)



Yelitza Colmenarez

CABI

Brazil

Source: CABI

Hands on:

VIVO & linked data

Hands on: VIVO & linked data

Learning about VIVO adopters

- Browse any of the [publicly available VIVO implementations](#) to compare interfaces, branding, and unique features
- Browse the [VIVO Map](#) on our wiki
- Visit vivo.vivoweb.org (ask us for a login)

Multi-institutional search

- Experiment with vivosearch.org
- Try [Polyglot](#), a search across multiple NIH Clinical and Translational Research Awards by Dr. David Eichmann of the University of Iowa

Understanding Linked Open Data (LOD) and basic SPARQL queries

- Exercise:
[Finding VIVO Data with the University of Florida's public SPARQL endpoint](#)

Kristi Holmes, VIVO Outreach Lead
Bioinformaticist
Becker Medical Library, Washington University
kristi@vivoweb.org

The VIVO Community

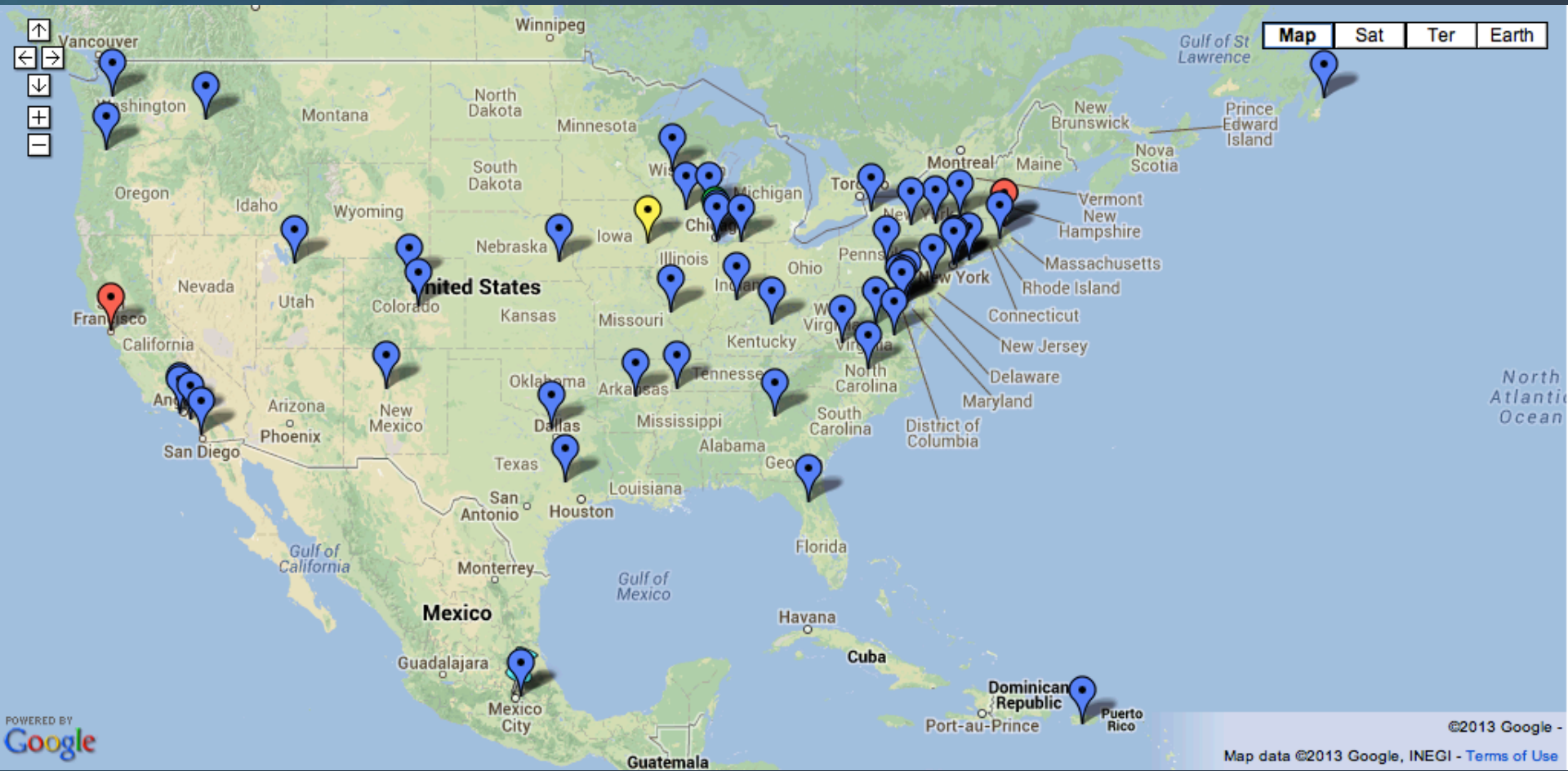
VIVO/DuraSpace Partnership

- DuraSpace is a not-for-profit organization supporting the DSpace and Fedora repositories
- Proven track record of managing community developed open source projects
- Two-year initial startup period
- Serves as the open source community home for ISF/VIVO ontology, software, tools, and engagement in eScience, research networking, and other initiatives

The VIVO community worldwide



VIVO community in North America



Where to start?

- Assessing whether VIVO is a good fit for your institution or virtual organization is more about your goals than the technology
- Fundamentally, it's about understanding your needs, VIVO's fit with those needs, and your capacity to sustain the effort

Important indicators

- Do you have institutional sponsors?
 - Starting as a skunk works project is okay but not the best recipe for long-term success
- Does VIVO align with a key institutional initiative?
 - Strategic reinvestment, new academic programs, new senior hires needing information
- Can you marshal resources?

It takes a network

- VIVO is cross-functional
 - Policy, communications, research, library
 - Multiple sources of data
- Requires stakeholder engagement
- VIVO needs to be transparent and fit the research/scholarship culture
 - Not just an “administrative thing”
- It helps to have strong project management
 - It’s usually obvious whether it’s there

Be realistic

- Small, successful pilots targeting one or two constituencies can build momentum
 - Relates closely to CTSA goals but there are equally dynamic initiatives in earth & atmospheric sciences, social sciences, and humanities
- Timelines must allow for ramping up people and technology

Think sustainability

- Loss leader efforts are tempting but if they can't be sustained may backfire
 - E.g., entering a lot of data on behalf of people with no clear update path
- Work with data stewards
 - First, to get access to data you need (public data)
 - To help them better meet your needs via improved APIs or web services
 - To alert them to data issues you may discover
 - VIVO is adept at making problems in source data visible

Reach out

- Interview researchers to learn what they need and want
 - Especially up and coming people building a reputation and more interested in strong online presence
- Create and use an advisory board
- Create a support network
 - Duke has “power users”
 - Provide materials and training

Use the VIVO community

- We're approachable
- Someone very likely has encountered a similar question or issue before
- Your ideas will be welcome

Use and contribute to the VIVO community resources!

- wiki
- Listservs
- Regular phone calls
- Attend VIVO events
- Develop local interest groups (e.g., NYC-area sites)

<https://wiki.duraspace.org/display/VIVO>

The screenshot shows the VIVO Main Page in a Firefox browser. The address bar displays the URL <https://wiki.duraspace.org/display/VIVO+Main+Page>. The page has a blue header with the VIVO logo and the text 'VIVO Main Page'. Below the header, there is a navigation menu on the left side with categories like 'Learning about VIVO', 'Semantic Web resources', 'Outreach events and resulting resources', 'Implementation', 'Development', 'ISF/VIVO Ontology', 'Data ingest and the Harvester', 'Data export, reporting, and reuse', 'VIVO multi-institutional search', 'VIVO NIH project archive', 'VIVO wiki documentation & planning', 'Related Projects', 'VIVOmap', and 'VIVO & social media'. The main content area is divided into several sections: 'New to VIVO?' with links to a short tour, learning about VIVO, a VIVO map, and semantic web resources; 'The VIVO Community' with links to the 2013 conference, JIRA issues, DuraSpace incubator announcements, calendars, other VIVO websites, VIVO projects on GitHub, VIVO code on GitHub, VIVO issue tracker, weekly implementation and development calls, bi-weekly ontology calls, VIVO listservs, and VIVO social media; 'VIVO Releases' with links to the 1.5.1 release announcement, source code on GitHub, 1.6 release planning, and VIVO ontology v1.6 planning; 'Engaging with VIVO' with information on reading the wiki, signing up for an account, and editing pages; and 'Want to be more involved? Get a connection to the project.' with instructions on how to connect with VIVO. On the right side, there is a 'Search the VIVO wiki' section with a search box and a 'Go' button, and a 'Site Map' section with a list of links to various pages on the site.

Collaborations – ORCID

- Open Researcher and Contributor ID
 - Attribution for works of any type
- ORCID and VIVO
 - ORCID is an attribute in a VIVO profile
 - Tools are being developed for submission of researcher registrations from VIVO

For more information

vivoweb.org , vivoweb.org/blog

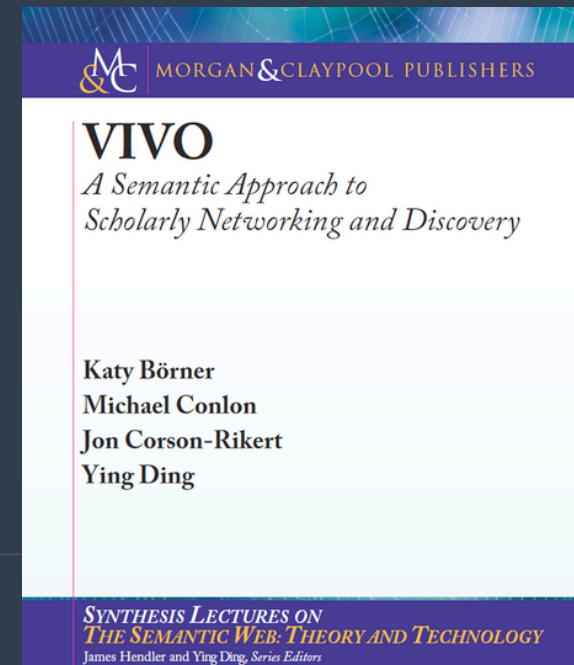
wiki.duraspace.org/display/VIVO

linkedin.com/groups/VIVO-connect-share-discover

facebook.com/VIVOcollaboration

github.com/vivo-project

@VIVOcollab



Julia Trimmer

Manager, Faculty Data Systems and Analysis

Office of the Provost

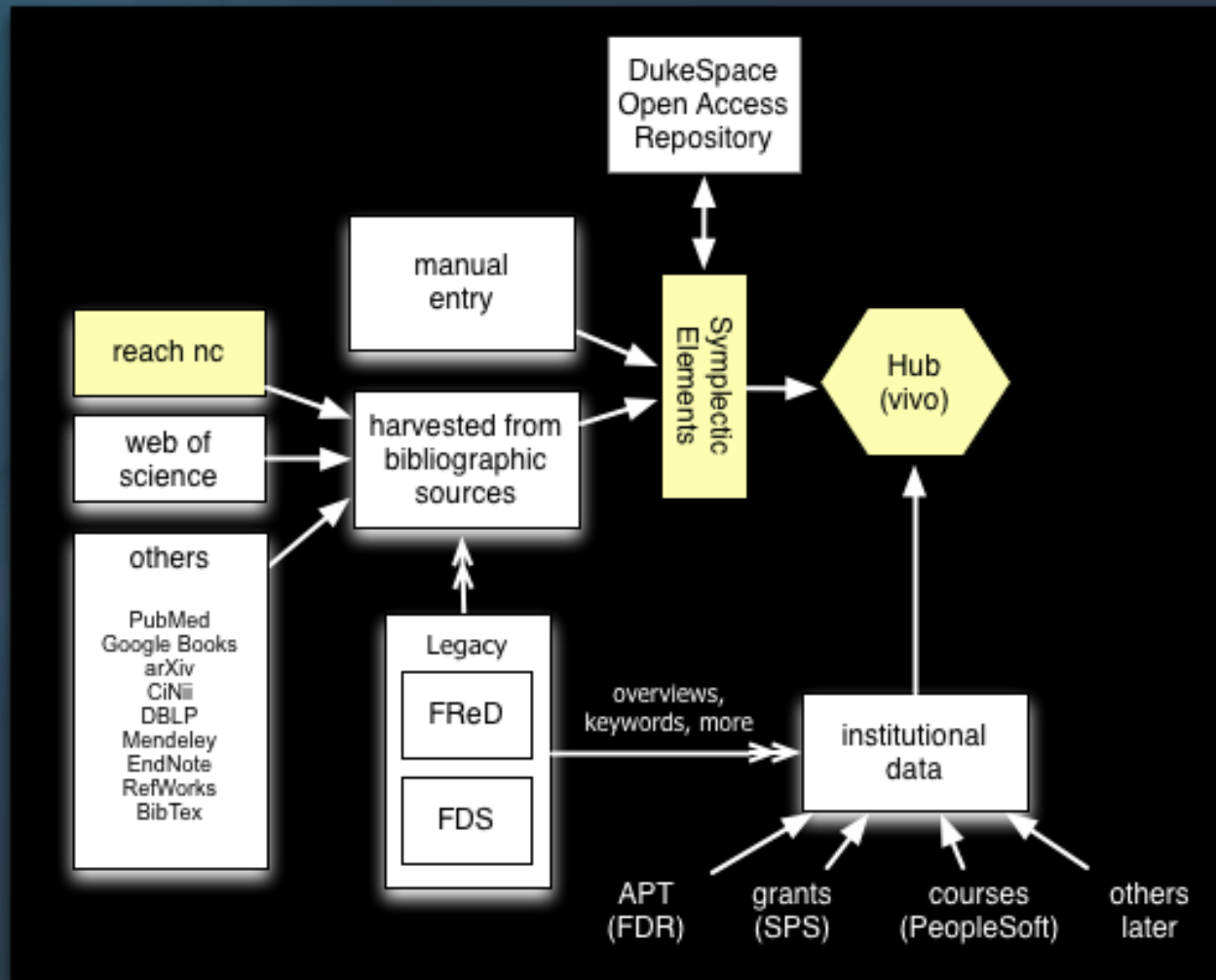
julia.trimmer@duke.edu

Case Study – Scholars@Duke

VIVO at Duke

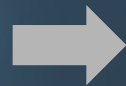
- Project team under Provost's Office
- Developers in University IT group
- Elements team in Library
- Currently: 3,500 faculty in 29 departments and centers, 100K pubs
- By Dec: adding 2,100 faculty in 16 schools and institutes, 60K pubs
- Replacing two legacy systems

Data Sources



Scholars@Duke publications

Harvest



Manage



Display

- Source of articles and keywords
- Identifies authors
- Works well in STEM fields

- Harvests from REACH NC
- Adds other pubs
- Links to full text publications
- Private profiles

- Publication list displayed on profile
- Profile data can be re-purposed
- Public profiles



Rollout Plan

- School of Medicine: May 13
- Business, Environment, Engineering, Nursing: July 15
- Arts & Sciences, Divinity, Law, Public Policy: October?
- Faculty Annual Reporting tool: 2014

Scholars@Duke



The screenshot shows a Firefox browser window displaying the Scholars@Duke website. The browser's address bar shows the URL <https://scholars.duke.edu>. The website header features the Duke University logo and the text "SCHOLARS@DUKE" in a large, bold font. A search bar is located in the top right corner of the header, with the placeholder text "Search People, Places or Things" and a "Search" button. Below the header is a navigation menu with links for "Home", "People", "Schools / Institutes", "Research", and "About".

The main content area is divided into several sections. On the left, there is a large photograph of a woman in a white lab coat, likely a researcher, in a laboratory setting. Below this image is the heading "Scholars@Duke" in a green font, followed by a paragraph of text: "Scholars@Duke is a hub that brings together the research and teaching activities of all Duke faculty members. Information about faculty comes from institutional and public data sources, gathered by a suite of tools. Scholars@Duke includes an expertise network, web profiles, and an archive of publications." Below this text is another paragraph: "Based on VIVO, the research-focused discovery tool, Scholars@Duke helps local and global communities connect to Duke scholarship."

On the right side of the main content area, there are two vertical panels. The top panel is titled "Research Events" and lists two events: "Basal Ganglia Circuit Function in Health and Disease" on MAY 21 at 12:00 PM, and "What Do Astrocytes Do?" on MAY 22 at 12:30 PM. The bottom panel is titled "Research Stories" and features a sub-heading "An Ocean Filled with Stars". Below this is a small image of a green fluorescent micrograph showing star-shaped cells. To the right of the image is a text block: "Researchers at the Duke-NUS Graduate Medical School in Singapore captured this image of astrocytes (star-shaped glial cells of the brain) that were developed from neural stem cells of mice in a lab dish. The nuclei of the cells are stained pink and the green dye is specific to a protein that marks them as astrocytes. Astrocytes are helpers and supporters of the brain's neurons and they perform repairs after a brain injury." Below this text is a "read more" link.

Organizations

The screenshot shows a Firefox browser window displaying the 'Schools / Institutes' page on the Scholars@Duke website. The browser's address bar shows the URL: <https://scholars-test.oit.duke.edu/organizations#org50000299>. The page header features the Duke University logo and 'SCHOLARS@DUKE' in a dark blue bar. A search bar is located in the top right corner with the text 'Search People, Places or Things' and a green 'Search' button. Below the header is a navigation menu with links for 'Home', 'People', 'Schools / Institutes' (which is highlighted with a green arrow), 'Research', and 'About'. The main content area is titled 'Schools and Institutes' in green text. Below the title is a paragraph: 'Select an organization to see the people and grants. Click the plus sign to display the organizations within schools.' A list of schools follows, each with a horizontal line below it. The schools listed are: Divinity School, Fuqua School of Business, Nicholas School of the Environment, Pratt School of Engineering (with a green plus sign icon to its left), Sanford School of Public Policy (with a green plus sign icon to its left), School of Law, School of Medicine (with a green plus sign icon to its left), School of Nursing, Trinity College of Arts & Sciences (with a green plus sign icon to its left), and University Institutes and Centers (with a green plus sign icon to its left).

Profile Page

The screenshot shows a Firefox browser window displaying the profile page for Michael Louis Platt on the Duke University SCHOLARS@DUKE website. The browser's address bar shows the URL <https://scholars.duke.edu/display/per8059762>. The website header includes the Duke University logo and a search bar. The navigation menu includes Home, People, Schools / Institutes, Research, and About. The profile page features the name Michael Louis Platt, his title as Professor of Neurobiology, with tenure, and a brief description of his lab's research. A list of appointments and affiliations is provided, including his roles at Duke University and Trinity College of Arts & Sciences. Contact information is listed at the bottom. On the right side, there are buttons for 'Manage This Profile' and 'Add Data to my Website', a portrait photo, a 'Publications in VIVO' line graph showing 76 publications in the last 10 full years (95 total), and links to 'Co-Author Network' and 'Co-Investigator Network'.

Firefox

Platt, Michael Louis

<https://scholars.duke.edu/display/per8059762>

Duke UNIVERSITY | SCHOLARS@DUKE

Support | Index

Search People, Places or Things Search

Home | People | Schools / Institutes | Research | About

Michael Louis Platt

Professor of Neurobiology, with tenure

Our lab tries to understand how the brain makes decisions. We are particularly interested in the biological mechanisms that allow people and other animals to make decisions when the environment is ambiguous or complicated by the presence of other individuals. We use a broad array of techniques, including single neuron recordings, microstimulation, neuropharmacology, eye tracking, brain imaging, and genomics to answer these questions. Our work is motivated by ethology, evolutionary biology (... [more](#))

Appointments and Affiliations


- Professor of Neurobiology, with tenure, [Neurobiology, Basic Science Departments](#) 2010 -
- Professor in the Department of Evolutionary Anthropology and Anatomy, [Evolutionary Anthropology, Trinity College of Arts & Sciences](#) 2010 -
- Professor in the Department of Psychology and Neuroscience, [Psychology and Neuroscience, Trinity College of Arts & Sciences](#) 2010 -
- Director of the Duke Institute for Brain Sciences, [Duke Institute for Brain Sciences, University Institutes and Centers](#) 2011 - 2017
- Director of the Center for Cognitive Neuroscience, [Duke Institute for Brain Sciences, University Institutes and Centers](#) 2009 - 2014

Contact Information


B243f LSRC Building, Center for Cognitive Neuroscience, Durham, NC 27708
Box 90999, Center for Cognitive Neuroscience, Durham, NC 27708

Manage This Profile

Add Data to my Website



Publications in VIVO



76 in the last 10 full years (95 total) [?](#)

[Co-Author Network](#)

[Co-Investigator Network](#)

Profile Page, part 2

Firefox

Platt, Michael Louis

https://scholars.duke.edu/display/per8059762

Google

+ Keywords

- Education and Training

Ph.D., [University of Pennsylvania](#) 1994

- Selected Publications

Academic Articles

Klein, JT; Platt, ML. [Social Information Signaling by Neurons in Primate Striatum.](#) *Current Biology*. 2013 [Full Text](#)

Brent, LJ; Maclarnon, A; Platt, ML; Semple, S. [Seasonal changes in the structure of rhesus macaque social networks.](#) *Behavioral Ecology and Sociobiology*. 67:349-359. 2013 [Full Text](#)

Chang, SW; Gariépy, JF; Platt, ML. [Neuronal reference frames for social decisions in primate frontal cortex.](#) *Nature Neuroscience*. 16:243-250. 2013 [Full Text](#)

Brent, LJ; Heilbronner, SR; Horvath, JE; Gonzalez-Martinez, J; Ruiz-Lambides, A; Robinson, AG; Skene, JH; Platt, ML. [Genetic origins of social networks in rhesus macaques.](#) *Scientific Reports*. 3:1042. 2013 [Full Text](#)

Chang, SWC; Gariépy, JF; Platt, ML. [Neuronal reference frames for social decisions in primate frontal cortex.](#) *Nature Neuroscience*. 16:243-250. 2013 [Full Text](#)

[more...](#)

+ Selected Federal Grants

- Recent Courses

[NEUROBIO 393: Research Independent Study](#) Instructor

[NEUROBIO 751: Neuroscience Bootcamp](#) Instructor

[NEUROBIO 793: Research in Neurobiology](#) Instructor

[NEUROSCI 493: Research Independent Study 1](#) Instructor

[NEUROSCI 494: Research Independent Study 2](#) Instructor

[NEUROSCI 495: Research Independent Study 3](#) Instructor

Widget Example

The screenshot shows a Firefox browser window displaying the website for The Kornbluth Laboratory at Duke University School of Medicine. The browser's address bar shows the URL `sites.duke.edu/kornbluthlab/publications/`. The website header includes the lab's logo and name, and a navigation menu with links for Welcome, People, Publications, Resources, and Contacts. A search bar is also present. The main content area is titled 'Publications' and lists several research articles with their authors, titles, and publication details. A sidebar on the right contains a 'Links' section with various resources and a 'Calendar of Scientific Events' section listing upcoming events.

THE KORNBLUTH LABORATORY
DUKE UNIVERSITY SCHOOL OF MEDICINE

Welcome People **Publications** Resources Contacts

Search

Publications

- Kurokawa, M; Ito, T; Yang, CS; Zhao, C; Macintyre, AN; Rizzieri, DA; Rathmell, JC; Deininger, MW; Reya, T; Kornbluth, S(2013). "Engineering a BCR-ABL-activated caspase for the selective elimination of leukemic cells.." Proceedings of the National Academy of Sciences of USA.110(6): 2300- 2305 [More info](#)
- Andersen, JL; Kornbluth, S(2013). "The Tangled Circuitry of Metabolism and Apoptosis." Molecular Cell.49(3): 399- 410 [More info](#)
- Zhang, L; Huang, NJ; Chen, C; Tang, W; Kornbluth, S(2012). "Ubiquitylation of p53 by the APC/C inhibitor Trim39.." Proceedings of the National Academy of Sciences of USA.109(51): 20931- 20936 [More info](#)
- Califf, RM; Kornbluth, S(2012). "Establishing a framework for improving the quality of clinical and translational research.." Journal of Clinical Oncology.30(14): 1725- 1726 [More info](#)
- Huang, NJ; Zhang, L; Tang, W; Chen, C; Yang, CS; Kornbluth, S(2012). "The Trim39 ubiquitin ligase inhibits APC/CCdh1-mediated degradation of the Bax activator MOAP-1.." The Journal of Cell Biology.197(3): 361- 367 [More info](#)
- Kim, J; Parrish, AB; Kurokawa, M; Matsuura, K; Freel, CD; Andersen, JL; Johnson, CE; Kornbluth, S(2012). "Rsk-mediated phosphorylation and 14-3-3 ϵ binding of Apaf-1 suppresses cytochrome c-induced apoptosis.." The EMBO Journal.31(5): 1279- 1292 [More info](#)
- Andersen, JL; Kornbluth, S(2012). "Mcl-1 rescues a glitch in the matrix." Nature Cell Biology.14(6): 563- 565 [More info](#)

Links

- [DCI Flow Scheduling](#)
- [Duke University School of Medicine](#)
- [LMCF Reservations](#)
- [Proteomics Sample Submission System](#)

Calendar of Scientific Events

- [Basal Ganglia Circuit Function in Health and Disease](#)
Tue, May 21, 2013 12:00 PM - Tue, May 21, 2013 01:00 PM Bryan Research 103. [...]
- [What Do Astrocytes Do?](#)
Wed, May 22, 2013 12:30 PM - Wed, May 22, 2013 01:30 PM Nanaline Duke 147. [...]
- [Iron-Sulfur Protein Biogenesis in Eukaryotes: Mechanisms, Diseases and Role in Genome Maintenance](#)
Fri, May 24, 2013 12:00 PM - Fri, May 24, 2013

Support for Scholars@Duke

- Small army of “power users”
- First level of support for faculty
- Liaisons for issues or problems
- Support page lists power users plus learning and support materials

Exploration:

Will VIVO map to SciENCv?

[RBM Home](#)

[Background](#)

[Executive
Committee](#)

[Federal-Wide
Researcher Profile
Project](#)

[A-21 Task Force](#)

[Federal Register
Notices](#)

[Toolkit](#)

[Archive](#)

SciENCv Science Experts Network Curriculum Vitae

Mission:

Create a researcher profile system for all individuals who apply for, receive or are associated with research investments from federal agencies, in order to:

- Eliminate the need to repeatedly enter biosketch information and therefore reduce the administrative burden associated with federal grant submission and reporting requirements
- Provide access to a researcher-claimed data repository with information on expertise, employment, education, and professional accomplishments
- Allow researchers to describe their scientific contributions in their own language.

Who We Are:


The [Federal Demonstration Partnership](#) (FDP), an association of academic research institutions and federal agencies, is developing the requirements for the SciENCv platform in concert with an Interagency Workgroup that operates under the NSTC's [Research Business Models](#) and [Science of Science Policy](#) Committees. The SciENCv project is closely connected to the [STAR METRICS](#) program. The underlying data model is being built by the [National Center of Biotechnology Information](#) (NCBI) at the National Institutes of Health (NIH) in collaboration with FDP and the Department of Defense, the Department of Energy, the Environmental Protection Agency, the National Science Foundation and the United States Department of Agriculture.

Most importantly, the development of the SciENCv platform will be based on input from the broader research community.

Guiding Principles:

- Any researcher may register in the system (i.e., no criteria for registration)
- Profile data will be owned by the researcher
- Researchers will control which data elements the system makes publicly available
- Researchers will be able to auto-populate their profile from existing data sources.
- Researchers will be able to augment and modify information in the system
- Profile data will be available to federal agencies and if desired by the researcher - to the public. Federal agencies will be encouraged to use profile data in lieu of biosketches and to pre-populate forms (e.g., grant applications and progress reports) submitted by the researchers


SciENCv is live for testing

[SciENCv help](#)

Report type: NIH BioSketch [NIH Biographical Sketch Instructions \(PDF\)](#)

Last Updated: 13 August 2013

This Biosketch is not shared with others. You can [start sharing](#) it.

[Generate PDF version](#)

NAME [\[Edit \]](#)
Corson-Rikert, Jonathan

ORCID
[0000-0002-2017-9998](#)

EDUCATION/TRAINING [\[Show/hide entries \]](#)

(Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable.)

INSTITUTION AND LOCATION	DEGREE (if applicable)	MM/YY	FIELD OF STUDY
Harvard University, Cambridge, MA, USA	BACHELOR OF ARTS	06 / 73	Visual and Environmental Studies

[+ add another degree/training](#)

A. PERSONAL STATEMENT [\[Edit statement \]](#)

You have not yet provided a personal statement. Please [create one](#).

B. POSITIONS AND HONORS

Positions and Employment [\[Show/hide entries \]](#)

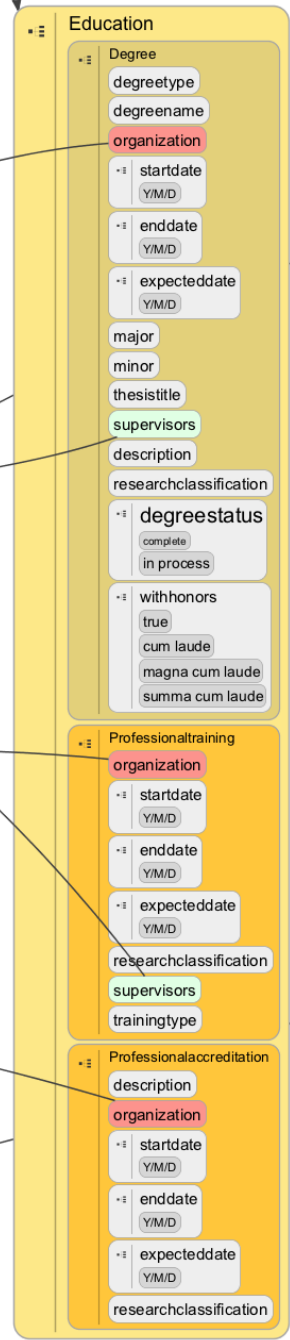
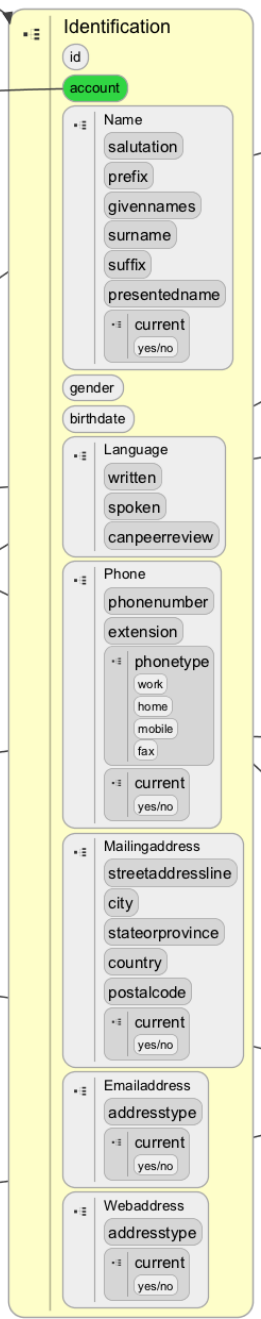
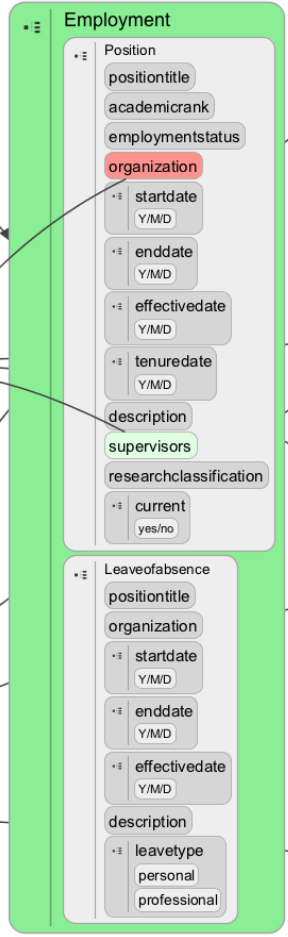
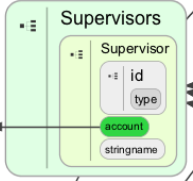
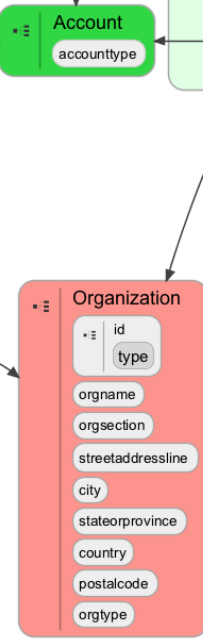
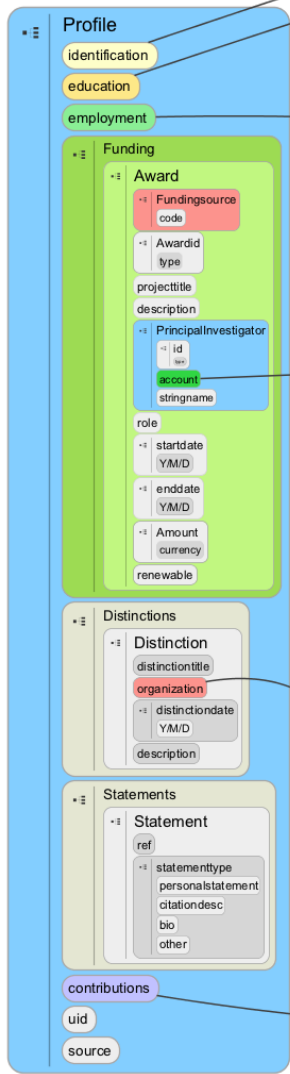
2006	Head of Information Technology Services, Cornell University, Cornell University Library, Albert R. Mann Library, Ithaca, NY, USA
------	--

[+ add another entry](#)

Interpretation of SciENCv schema.xsd

for comparison to ISF/VIVO ontology

updated 2012-08-13



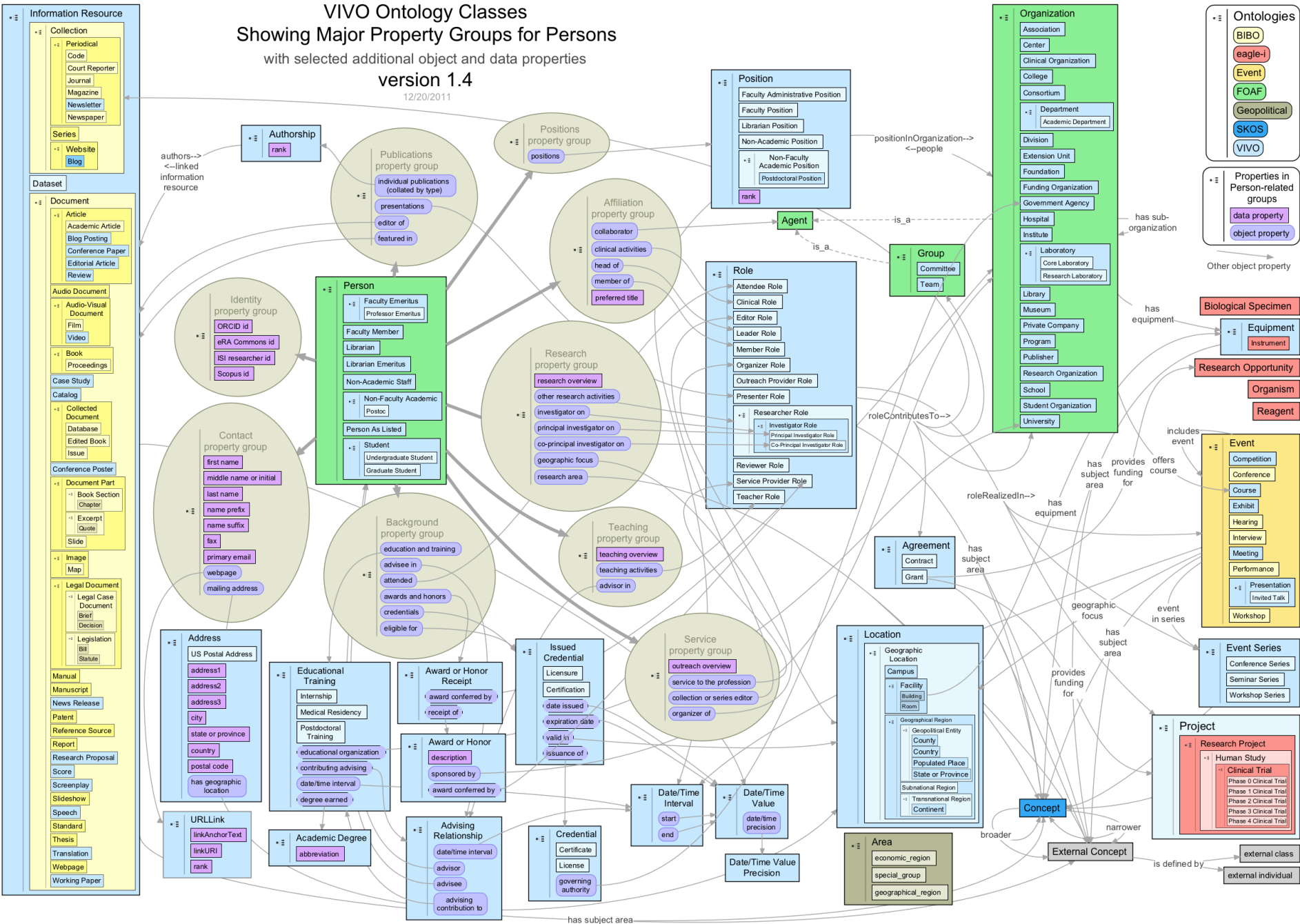
VIVO Ontology Classes

Showing Major Property Groups for Persons

with selected additional object and data properties

version 1.4

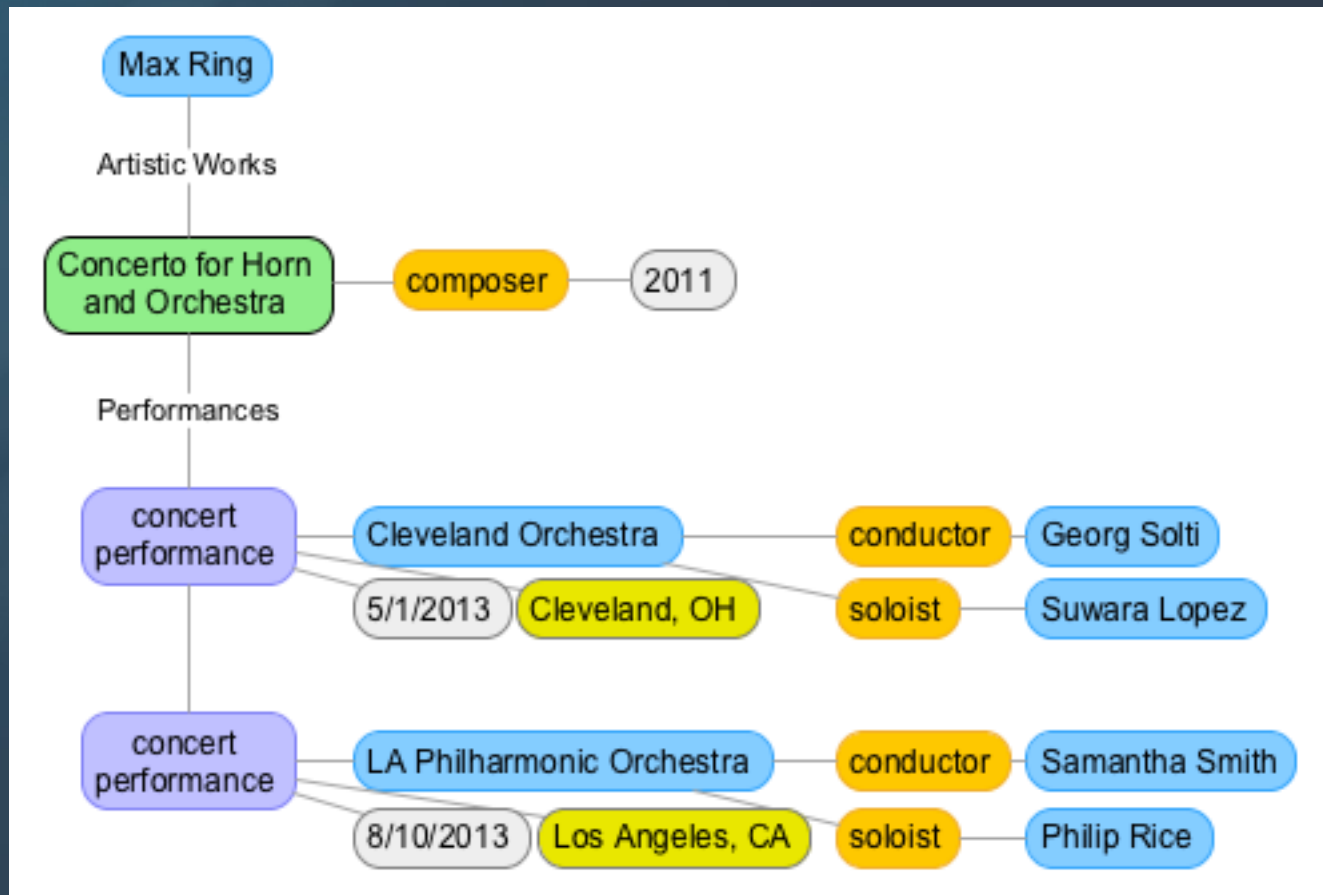
12/20/2011

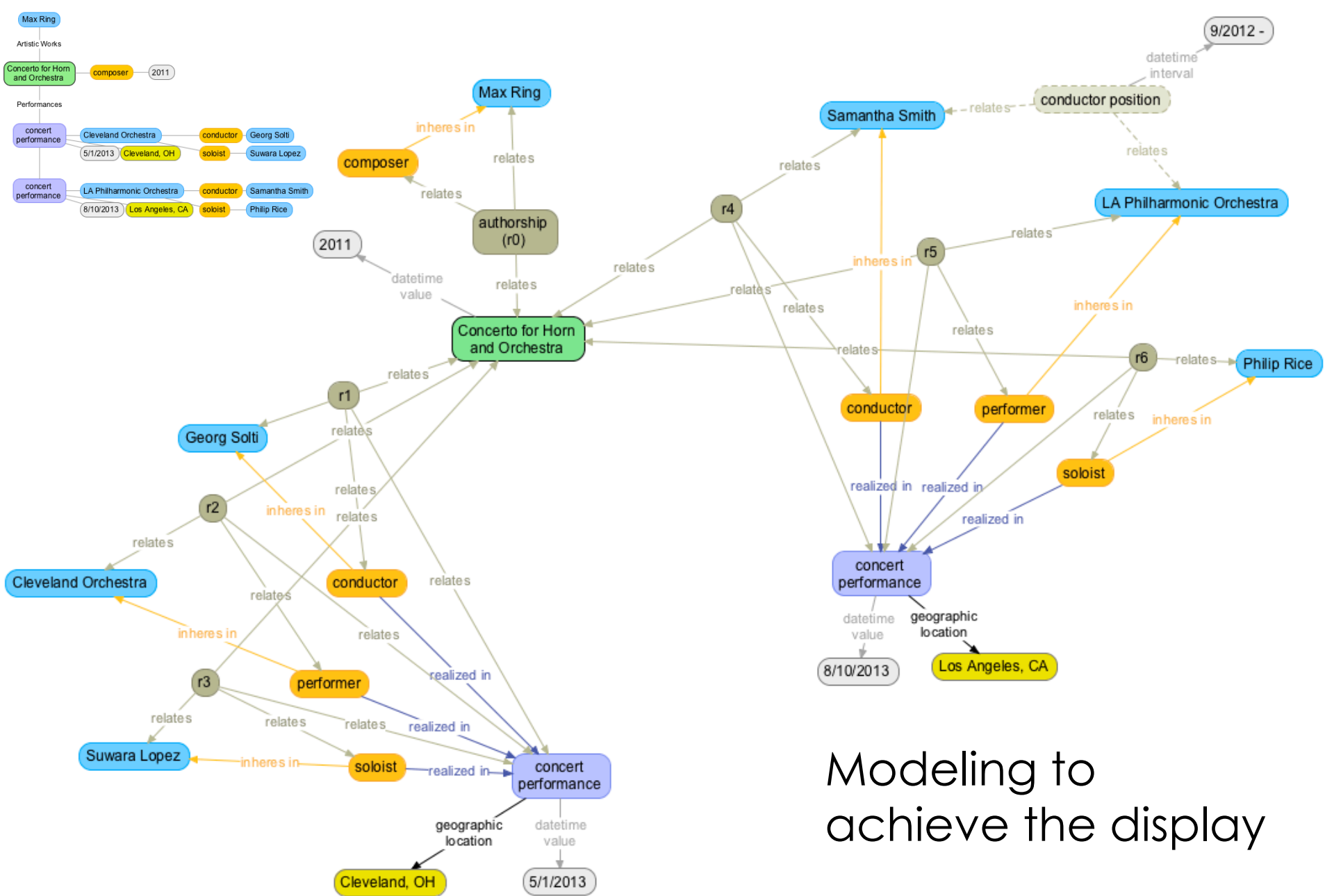


Exploration:

Modeling the Humanities

Desired humanities work display

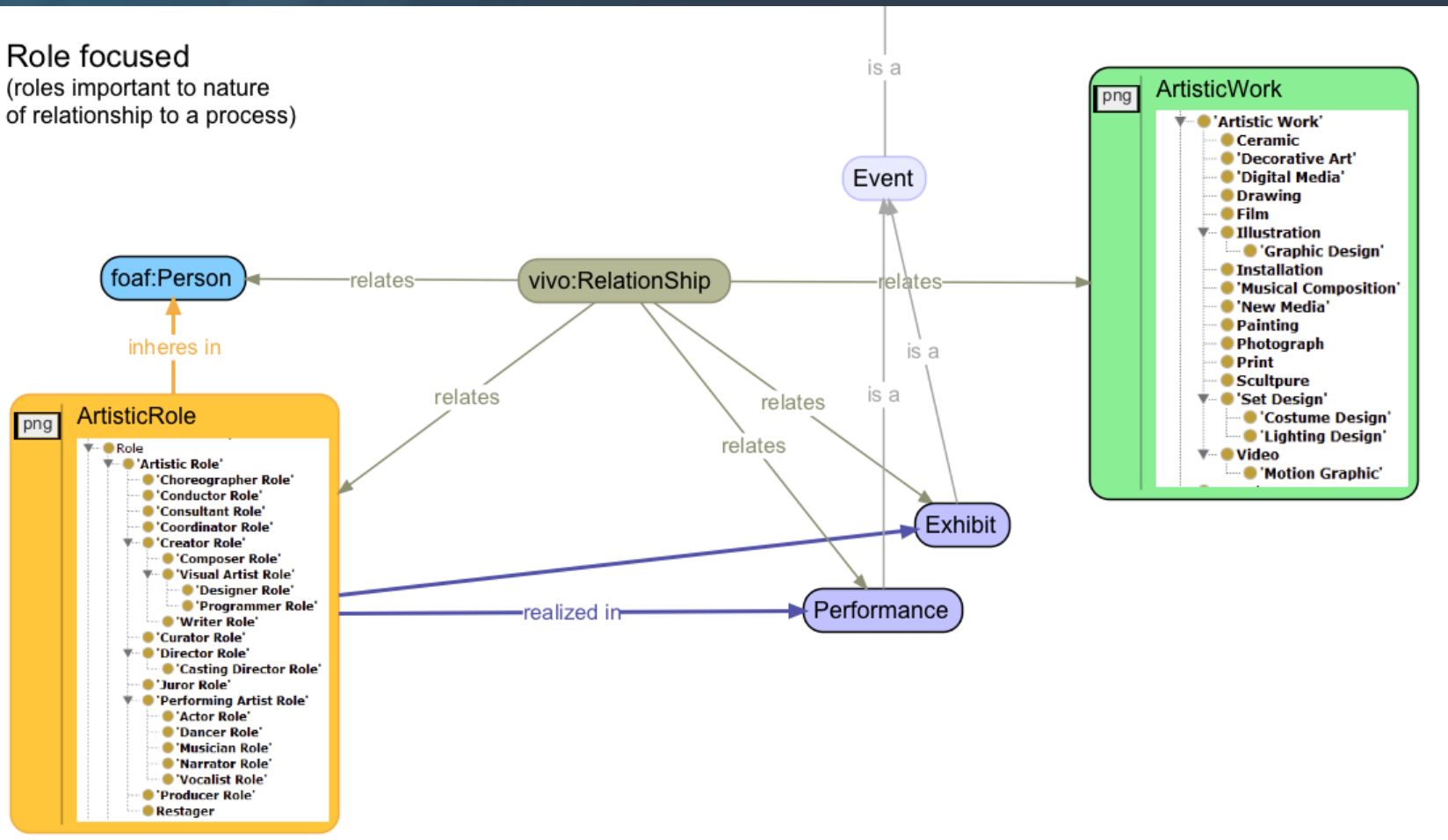




Modeling to achieve the display

Roles and relationships

Role focused
(roles important to nature
of relationship to a process)



Entity page for artistic work

scholars.duke.edu/individual/art#####

Title (Commissioned Work)

Company/Organization Name

Abstract/Summary of Work

[Hyperlink + Text](#)

Type

> [Artistic Work Type\(s\)](#)

Collaborators (in alphabetical order)

> [Name 1](#), Role(s)

> [Name 2](#), Role(s)

Events (in chronological order)

> Venue Geographic Location Date Interval

Faculty page showing roles in artistic works

scholars.duke.edu/individual/per#####

You have 5 artistic works pending approval

+ Artistic Works

Musical Compositions

[Title](#), Company/Organization Name, [Role\(s\)](#)
(Featured Role), Characters played, [Hyperlink + Text](#),
Date Interval

2D Artwork

3D Artwork

Theatrical Performances

Exhibits

Alex Viggio
FIS Lead Developer
Office of Faculty Affairs
alex.viggio@colorado.edu

Case Study – VIVO@CU Boulder

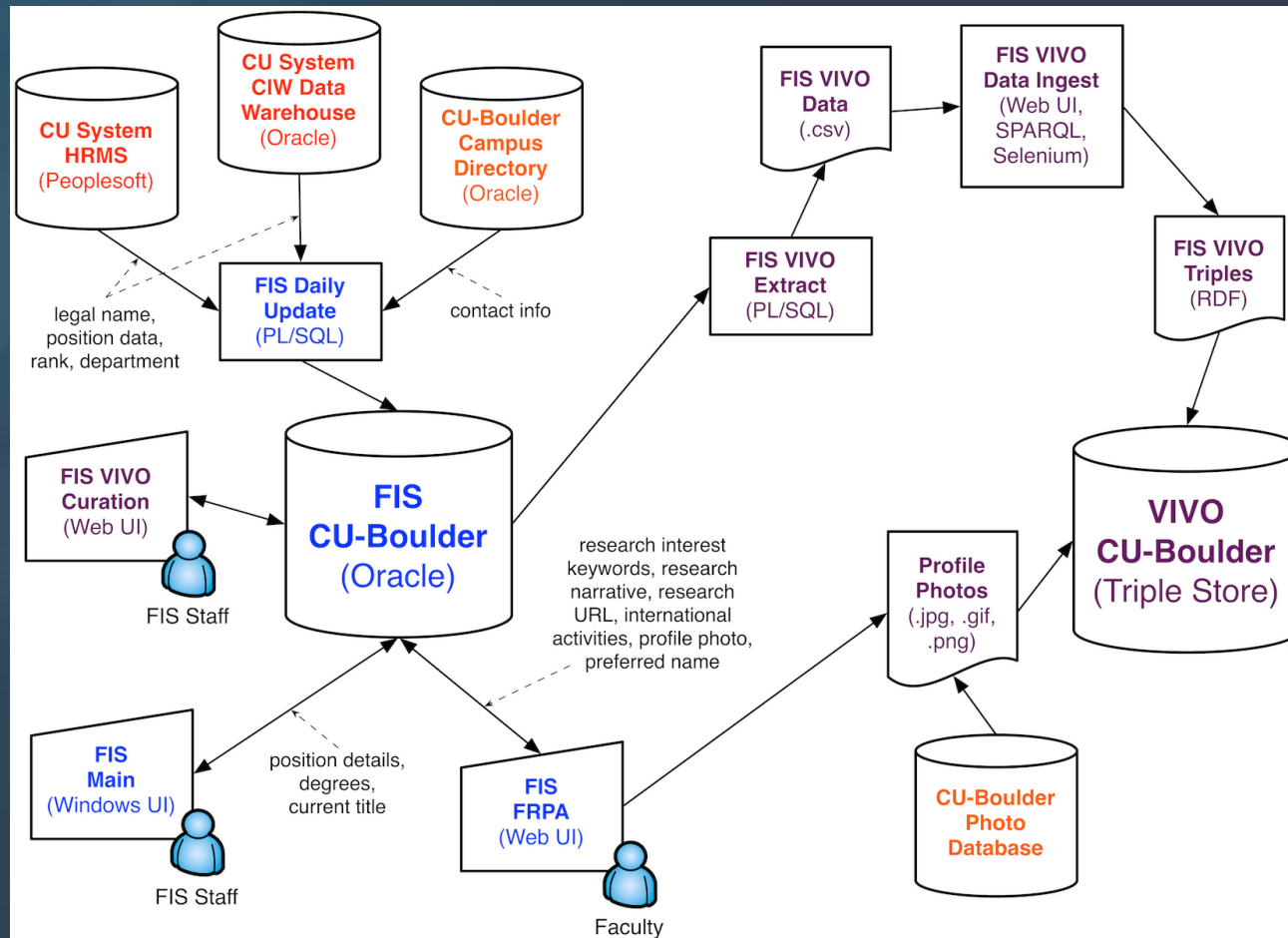
VIVO at CU-Boulder

- Project led by Faculty Information System (FIS) team in the Office of Faculty Affairs
- 1 domain expert FTE, 2.5 developer FTEs, <0.5 system admin FTE
- Original developers and IT group had Java and SQL/RDBMS expertise, but no prior Semantic Web work experience
- Partner with campus IT Managed Services group for web and database hosting
- Reuse existing FIS database and web servers

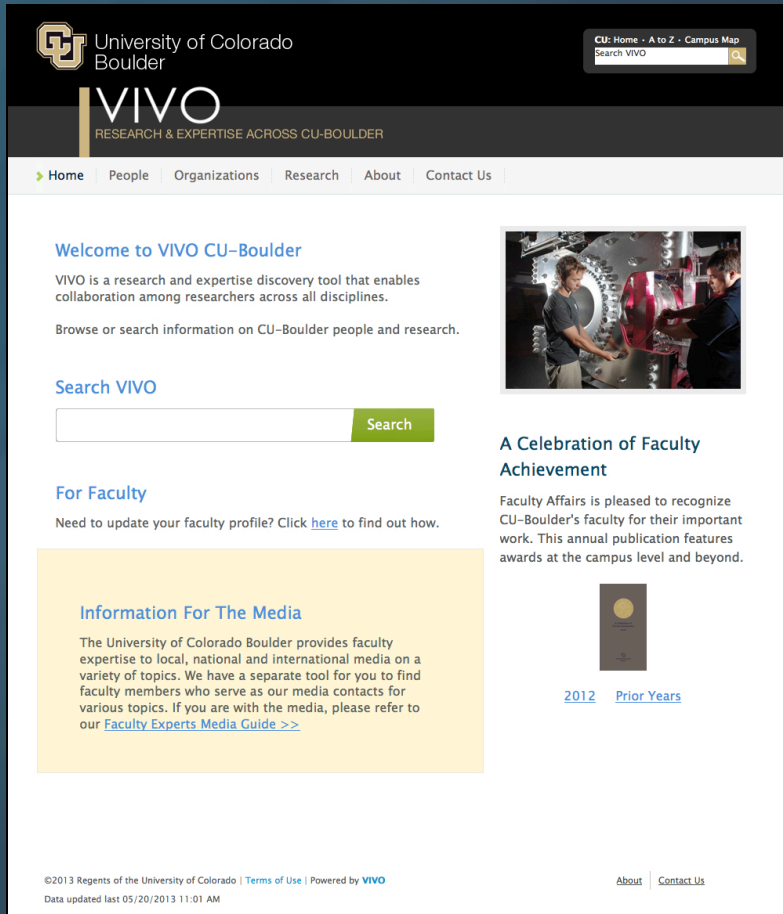
CU-Boulder Rollout

- Demos for CU-Boulder Provost, VC of Research and Dean of the Graduate School in late 2010
- Implementation started in January 2011
- Initial campus launch in April 2011
- Public WWW launch in September 2012
- Current status
 - Covers 64 academic units in seven schools and colleges, as well as the libraries, 11 research institutes and more than 40 non-academic units
 - 1,750+ profiles updated twice a week
 - No direct edits, no publications or grants data yet
- Publications ingest project starting Summer 2013

CU-Boulder FIS Overview



VIVO CU-Boulder



University of Colorado Boulder

CU: Home - A to Z - Campus Map
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VIVO

RESEARCH & EXPERTISE ACROSS CU-BOULDER

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Welcome to VIVO CU-Boulder

VIVO is a research and expertise discovery tool that enables collaboration among researchers across all disciplines.

Browse or search information on CU-Boulder people and research.

Search VIVO

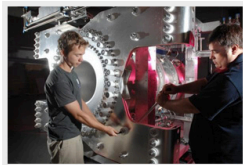
Search

For Faculty

Need to update your faculty profile? Click [here](#) to find out how.


Information For The Media

The University of Colorado Boulder provides faculty expertise to local, national and international media on a variety of topics. We have a separate tool for you to find faculty members who serve as our media contacts for various topics. If you are with the media, please refer to our [Faculty Experts Media Guide >>](#)



A Celebration of Faculty Achievement

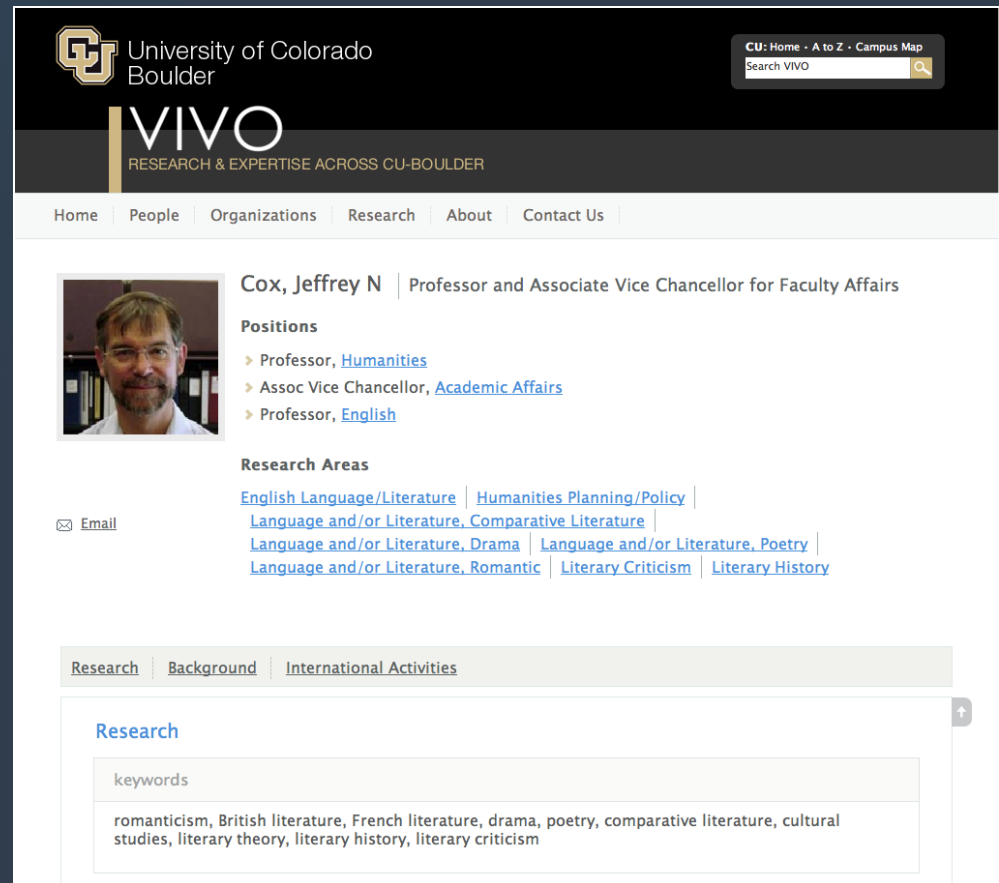
Faculty Affairs is pleased to recognize CU-Boulder's faculty for their important work. This annual publication features awards at the campus level and beyond.



[2012](#) [Prior Years](#)

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Data updated last 05/20/2013 11:01 AM

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Cox, Jeffrey N | Professor and Associate Vice Chancellor for Faculty Affairs



Positions

- Professor, [Humanities](#)
- Assoc Vice Chancellor, [Academic Affairs](#)
- Professor, [English](#)

Research Areas

[English Language/Literature](#) | [Humanities Planning/Policy](#) | [Language and/or Literature, Comparative Literature](#) | [Language and/or Literature, Drama](#) | [Language and/or Literature, Poetry](#) | [Language and/or Literature, Romantic](#) | [Literary Criticism](#) | [Literary History](#)

✉ [Email](#)

[Research](#) | [Background](#) | [International Activities](#)

Research

romanticism, British literature, French literature, drama, poetry, comparative literature, cultural studies, literary theory, literary history, literary criticism

VIVO CU-Boulder About Page

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About VIVO CU-Boulder

Learn how VIVO enables (SMALL CHANGE) discovery >>>

[Who's Included in VIVO CU-Boulder?](#)
Most CU-Boulder faculty are included >>>

[How to Update VIVO Profile Data](#)
For faculty - quick tips on how to add a photo, research areas and more >>>

[How VIVO Supports the Mission of the Boulder Campus](#)
Collaboration, connections, vision. Get a sense of VIVO CU-Boulder and the big picture >>>

[Features List and Project Plan](#)
See what's in store as VIVO grows >>>

[We Value Feedback](#)
Share your ideas. Find out how to be part of the future of VIVO CU-Boulder >>>

[Known Bugs and Technical Issues](#)
Nothing's perfect. Here's what we're working on >>>

[Top](#)

"The VIVO National Network enables the discovery of researchers across institutions. Participants in the network include institutions with local installations of VIVO or those with research discovery and profiling applications that can provide semantic web-compliant data. The information accessible through VIVO's search and browse capability will therefore reside and be controlled locally, within institutional VIVOs or other semantic web-compliant applications.

VIVO is an open source semantic web application originally developed and implemented at Cornell. When installed and populated with content at an institution, it enables the discovery of research and scholarship across disciplines at that

How to Update VIVO Profile Data

[Top](#)

How quickly will updates show in VIVO?

VIVO will be updated Monday, Wednesday and Friday afternoons by 5pm.

Fields updated through FRPA Online will appear in VIVO within 24 to 48 hours Monday through Friday. Data elements requiring updates through the HR system or through ITS registry systems may take longer to show in VIVO due to processing and system update schedules. Curated items may take longer to show on a VIVO profile as they are reviewed by staff prior to posting on VIVO. The curation process is applied to research interests, the research overview and the submitted web URL.

VIVO CU-Boulder Data Sources

Name	This field currently defaults from your official/legal name as it is stored in the Human Resources (HR) system and is maintained by your departmental payroll liaison. A 'Profile Name' option is now available through FRPA Online which allows faculty to enter the name they wish displayed on their VIVO CU-Boulder profile. To enter an alternate preferred profile name, go to 'Profile Name' in the navigation frame of FRPA Online. Faculty may change any or all three name fields (first, middle, last). These changes will only show in the VIVO profile. Name changes for legal or payroll reasons must be submitted through your payroll liaison.
Academic Rank	This field indicates your highest academic rank in order to best characterize your position at CU-Boulder. Payroll records are used to determine this listing. Some supplemental titles are handled individually and maintained in FIS by Faculty Affairs (e.g., Nobel laureate, endowed professor, etc.), as they are not always part of the payroll database. Your departmental payroll liaison is responsible for corrections to HR job class data. For updates to endowed appointments, please contact Faculty Affairs at 303-492-3055 or email kristina.cizmar@colorado.edu .
Positions Data	Positions information displays the unit and rank of each position currently held by a faculty member as entered into the HR system. Please contact your payroll liaison if corrections are needed.
Research Areas	This information comes from the FRPA database maintained by Faculty Affairs. To revise what is listed as your research interests, log in to FRPA Online through the Faculty Reporting Channel of MyCUInfo at any time and modify as needed by adding or removing items associated with the FRPA keywords code list, user-defined keywords or your research overview found in the Research & Expertise module of FRPA Online . Contact Faculty Affairs at 303-492-4226 or email tomic@colorado.edu if further assistance is needed.
International Activities	Country data submitted through the International Activities module of FRPA Online are the source for data showing as International Activities in the VIVO profiles. Updates to this field can be made in FRPA Online via the Faculty Reporting Channel on MyCUInfo at any time.

Regional Linked Data Efforts

The screenshot shows the VIVO UCSS website. At the top left is the UCSS logo and the text "University of Colorado Colorado Springs". To the right is a search bar with "Search VIVO" and a magnifying glass icon. Below this is the "VIVO" logo with the tagline "RESEARCH & EXPERTISE ACROSS UCSS". A navigation menu includes "Home", "People", "Organizations", "Research", "About", and "Contact Us". The main content area features a "Welcome to VIVO UCSS" message, a description of VIVO as a research and expertise discovery tool, and a search bar with a "Search" button. A small photo of people in a classroom is also visible.

The logo for CCTSI features a stylized diamond shape with the acronym "CCTSI" inside. To the right, the text reads "Colorado Clinical and Translational Sciences Institute (CCTSI)" and "UNIVERSITY OF COLORADO DENVER | ANSCHUTZ MEDICAL CAMPUS".

The logo for LASP includes the CU Boulder logo and the acronym "LASP" in large blue letters. Below it, the text reads "Laboratory for Atmospheric and Space Physics". To the right is a photo of a person working at a computer workstation.

The logo for NCAR/UCAR features the acronym "NCAR" and "UCAR" in white on a blue background. To the right, the text reads "University Corporation for Atmospheric Research".

This block contains three logos: "NREL NATIONAL RENEWABLE ENERGY LABORATORY" with a stylized sun icon, the text "Leading clean energy innovation" in a script font, the "OpenEI" logo with a globe icon, and the "U.S. DEPARTMENT OF ENERGY" logo.

Host institution of 2012 and 2013 VIVO Implementation Fests
<http://2013vivoimplementationfest.sched.org>

CU-Boulder Lessons Learned

- An incremental, value focused approach works for VIVO implementation
- Address faculty concerns as a priority
 - Limit launch to campus users to allow for review
- Data quality
 - All data requires clean up before public display
 - FIS VIVO Curation Module
- Building the campus initiative with internal PR
 - Address perceived competition with similar efforts
- VIVO's low cost – harder to justify resource needs
 - A small, entrepreneurial team worked for us
- VIVO builds conversation about Big Data, Linked Open Data, Open Access

Alex Viggio
FIS Lead Developer
Office of Faculty Affairs
alex.viggio@colorado.edu

Implementation & the Open Source Community

Implementation from a technical vantage point

- Options and typical solutions
- Skills and FTE requirements
- Learning about your source data
- Developing an ingest and update strategy
- Leveraging vendor solutions as well as open source communities

Major options

- Physical or virtual hardware
- Choice of OS and base software
- Division of labor
- Approach to data
 - Especially for publications
- Staging strategy
- Hosted options?

Physical or virtual?

- Likely depends mostly on your institution's IT environment
 - Physical servers take an up-front investment but may give you more control
 - Virtual servers can usually be scaled according to need
 - Hosted virtual servers can compensate for lack of server administration resources

Choice of OS and software

- Windows or Linux
 - Linux more common, but some IT shops have a big Windows investment
- Database – MySQL is default, Oracle Enterprise Database an option
- Servlet engine – Tomcat is default, Glassfish and others supported
- Web server optional but recommended – Apache HTTP Server

Division of Labor

- Skills/roles needed (often from the same person)
 - Sysadmin
 - Database Admin
 - Data conversion/ETL specialist (Java/Python)
 - Data curator
 - Web developer (HTML/CSS)
 - Java developer (optional) for customizing VIVO or adding custom forms
 - User training and support
 - Project management
- Not all need to be full time

Approach to data

- Negotiate with data stewards
- Tools options
 - Harvester and other XML tools
 - Karma, Open (Google) Refine and RDF/semantic tools
 - Python and R
- Commercial options
- Important to think through data updates, not just a one-time load

Staging strategy

- Give your techs time to learn Semantic Web concepts and tools
- Don't start with the hardest data
- Think through what will be interactively updated vs. batch update/replacement
- Work with data sources to make it easier on both ends

Resources

- VIVO DuraSpace Wiki
- VIVO Mailing lists
- Weekly dev/implementation and biweekly ontology calls
 - Updates
 - Bug reports and issue discussion
 - Demos of implementations
 - Invited guest presentations
- <https://wiki.duraspace.org/display/VIVO>

VIVO working groups

- Ontology
- Implementation
- Core development
- Engagement
- Apps & Tools

VIVO Implementation Fests

- Successful events in 2011, 2012, and 2013
- Increasingly about sharing and collaboration more than presentations
- Emphasis on small-group interactions
- Reaching out to related tool providers
- Internationalization code sprint after 2013 IFest

4 kinds of open source communities

- Single vendor open source projects
- Development communities
- User communities
- Open source competence centers

What are/will be the salient features of the VIVO community?

Highlights of the conference

Discussion

Starting a VIVO and participating in the community

Wrap up

Q&A: technical, policy, or
strategic