Future to do: mark some traits of previous work on information visualization.

Notes: things in red means that VIVO does not have such functions.

1 http://vivo.cornell.edu/

Position: VIVO is a research-focused discovery tool

Home –

- An overview of vivo
- An interface to search in site
- An interface to log on for management of personal website
- Two headlines and link to more
- Snapshot of Upcoming Seminars and link to more

People—

- An interface for finding people by research area
  - Research areas presently included are a partial list and only those designated by colleges or departments through faculty reporting or on college Web sites.
    - Each research area includes main researchers in this area and laboratory
- An interface for finding people by geographic interest
  - Research locations could be classified as continents, regions, countries, states & provinces, and counties
    - List related research staff, research institute, associated activities, included political entities, and son notes or father note for one specific geographic location
- Faculty (able to filter by alphabetical order, and 10 faculty profiles randomly shown on this paper)
  - Personal website
    - Research
      - research and scholarship focus
      - primary investigator of (list of research grant)
      - research areas
      - international geographic focus
      - submitted impact statement (a list of impact statement)
    - Affiliations
      - faculty appointment in
      - member of graduate field
      - member of advisory group
      - other Cornell affiliations
• teaching
  • teaching focus (a short paragraph of description)
  • teaches (course list)
• service
  • outreach focus
  • event organizer
  • event host (event list)
• background
  • educational background
  • professional background
  • featured in
• publications
  • selected publications (listing in progress)
  • linked articles
  • speaker at Cornell event
• Academic Staff (able to filter by alphabetical order, and 15 academic staff profiles shown on this paper)
  o Personal website
• Professional Staff (able to filter by alphabetical order, and 15 professional staff profiles shown on this paper)
  o Personal website

Academic units
• Colleges
  o People in this college
  o Related departments, divisions, facilities
  o Affiliations (has affiliated organization or organizational affiliate of)
• Departments
  o People in this department
  o Affiliations (department or division within)
• Graduate Fields
  o Overview
    ▪ Degree offered
    ▪ Area of concentration
  o People
  o Affiliations (has affiliated organization)
• Libraries
  o Sub-unit within

Events & Seminars
• Upcoming seminars (selected upcoming seminars)
  o Seminars
    ▪ Held in (location)
    ▪ Included in series (the father note for this seminar)
• Seminar and Exhibit Series (Series sponsored by individual departments or academic units)
  o List of seminar series
    ▪ Included in other listing (information for its classification)
    ▪ Related lectures, seminars or colloquia
    ▪ Sponsorship (sponsor department or academic unit)

Research

• Research facilities (able to be filtered by alphabetical method)
  o People
  o Affiliations
• Research Centers, Institutes, Programs (able to be filtered by alphabetical method)
  o Headed by (linked to people)
  o Organizational affiliate of (linked to department)
  o Keywords
Position;

Welcome to Loki, a system for

1. Supporting material for grant proposals
2. Collaboration and awareness functions

Researcher interests:

- Browse by Investigator Last Name
  - Profile
    - Name
    - Title, research interest
    - Phone
    - Email
  - Brief into to people
  - Keywords
  - MeSH Terms from publications
  - Recent Publications
    - Title
    - Link to details of this paper
      - Authors list
      - Abstract
      - Cited grants
      - MeSH terms
      - Chemical
    - Journal
    - Vol
    - Pag
    - year

- Search investigators
  - By any keyword (such as research interest, the research result will give the similarity as well)

- Browse investigators
  - By last name

- Browse keywords
  - By keywords (keywords are given in this system)

- Browse MeSH Terms (Medical Subject Headings)
  - Browse by MeSH Terms from Publications

2 Loki, [http://www.icts.uiowa.edu/Loki/](http://www.icts.uiowa.edu/Loki/)
3 Harvard Catalyst, [http://catalyst.harvard.edu/](http://catalyst.harvard.edu/)

Special trait: flash in index page

Position: the Harvard clinical and translational science center

Rooling news

People (tab)

- **Over view**
- **Grant center** (connects researchers to funding opportunity, helps to find new collaborations, and manages the grant-writing processes)
  - Find grant opportunities
    - Search for NIH, NSF, and DOD grants (the result comes to one grant)
      - Grant title
      - Grant brief introduction
      - Link to grant announcement in Grants.gov
      - Comments (could be added by registered users)
    - Monitor new grants matching your frequent searches
    - Save grants that interest you
  - Find Research Collaborators (the result comes to one person)
    - Search the Harvard universe for potential collaborators
    - Post discreet "want-ads" for expertise you need or have to offer
    - Manage your research contacts
  - Get Advice from Colleagues
    - Search our advice resources
    - Ask for or offer assistance in our support forum
    - Browse Frequently Asked Questions
  - Manage Your Grant-Writing Projects
    - Start a project based on a grant you've found
    - Invite colleagues to collaborate on grant proposals
    - Collect and download your team's biosketches and other forms
    - Assign and track tasks
    - Share files more reliably than with e-mail
    - Easily communicate with your entire team
- **Medvane** (The present state and historical trends of biomedical research in the Harvard community)
  - Medvane is an automated bibliome mining system. Medvane's data source includes articles published since 1973 with at least one author from Harvard or its affiliated institutions.) (items could be filtered by time, all time/last year/last five years/last 10 years)
- **Articles**
  - Title
  - Journal
  - Affiliation
  - Abstract
  - Authors
  - Pubtypes
  - Link to full text in Pubmed

- **Journals**
  - word cloud below comprises the top 50 journals

- **Authors**
  - authors listed in the order of total number of published articles in this time period

- **Subjects**
  - Chart shows 10 most frequently published subjects of a given time period

- **Genes**
  - word cloud below comprises the top 30 genes

- **Pubtypes**
  - word cloud comprises the top 56 pubtypes
- o **Features**: (Searching by journal, author, subject, or gene; Browsing the full dataset — not just top 30 or 100 items; Trending graphs are available for individual journal, author, and gene pages.)

- **Profiles**
  - Search people by last name, first name, institution, department, faculty type, and keyword
    - Name, degree (MD, PhD and etc.)
    - Title
    - Institution
    - Department
    - Address
    - Telephone
    - Fax
    - Email
  - o **About profiles** (an introduction to profiles, which is the social networking website of the Harvard catalyst)
  - o Interface to login to profiles
  - o Interface to edit profiles

Learning (tab)
• Colloquium series
• Conferences and Seminars
• Dean’s Symposium
• PhD program (Leder Human Biology)
  o Program name
  o Brief intro.
  o Program Director (one or more)
    • Name
    • Title
    • Affiliation
    • Phone
    • Email
  o Link to program website
• Masters Programs (five programs as instances)
  o Program name
  o Brief intro.
  o Program Director (one or more)
    • Name
    • Title
    • Affiliation
    • Phone
    • Email
  o Link to program website
• Courses (some of the following information are not shown in some courses)
  o Intro
  o Course director
  o Course information
  o Faculty
  o Dates, location and duration
  o Outline
  o Admission requirement
  o Tuition
  o Application process
  o Course completion
  o Relationship to Other Training Opportunities Available Through Harvard Catalyst
  o Questions (one contact information is provided)

Resources (tab)

• Pilot funding (interface for research to apply Harvard Catalyst offers seed funds in the form of Pilot Grants)
• Key Criteria for the Harvard Catalyst Pilot Grant Program
  • Award Amount
  • Eligibility
  • Process
  • Key Dates
  • FAQ
  • For more information, contact information
  • Community Engagement Resources
• AEGIS influenza (providing some data about the AEGIS Flu as preparation for the upcoming flu season)
• Atlas (a list of institutions with additional information, such as website, phone, person, and etc.)
  • Institutions
  • Website homepage
  • Phone numbers
  • Person directory
  • Interface to find a doctor
  • Maps and floorplans
  • Driving directions
  • Parking info
  • Public trans
  • Shuttle schedules
• Community-based participatory research (community members in all aspects of research including the conception, design, analysis and dissemination of the research.)
  • CBPR at Harvard
    ▪ Intro to CBPR (Community-Based Participatory Research at Harvard)
  • CBPR Education (several CBPR resources)
    ▪ CBPR 101 presentation
    ▪ Examples of CBPR projects (link to pdf files)
  • CBPR Resources
    ▪ Articles (articles are listed in different fields)
    ▪ Examples (projects examples listed, with link to pdf introduction file)
    ▪ Faculty Survey (a link to pdf file Community Based Participatory Research (CBPR)
    ▪ Survey Findings; link to CBPR Survey: Clinical Translations Science Center Project)
• Core facilities (It is a searchable database which provides specialized services, equipment and staff)
  • Bioinformatics
    ▪ Bioinformatics Core (HSPH)
      • Director
      • Core Summary
      • Categories and Institutions
• Personal/Contact Information
• Facilities and Equipment
• Services
• Getting Started
• Department link

• HarvardTrials (HarvardTrials is the Harvard view of ClinicalTrials.gov. ClinicalTrials.gov, provided by the U.S. National Institutes of Health, is a registry of federally and privately supported clinical trials conducted in the United States and around the world.)
  o Trials (interface for browse the current open trials)
    ▪ Trials title
    ▪ Status
    ▪ Start data
    ▪ The link to entire trial record on ClinicalTrials.gov
  o Topics (interface to browse the topics in the trials)
    ▪ Trials are organized under category and topics could be filtered by alphabetical lists
    ▪ List of trials
  o Investigators (interface to browse trials conducted by investigators)
    ▪ Investigators are listed in alphabetical order
    ▪ List of trials conducted by one specific investigators
  o Institutions (interface to browse trials currently being conducted at different institutions)
    ▪ Trials under different institutions
    ▪ List of trials under one specific institution
  o An interface to search trials by topics and investigators

• Health Disparities Research Programs
  o A brief intro. To this program
  o Intro. To Health Disparities Research Community
  o Intro. To Health Disparities Research Consulting Program
  o Program Director

• In/Outpatient Resources: Harvard Catalyst- Participant and Clinical Interaction Resources (PCIR)
  o Interface to submit a PCIR resource request application
  o Introduction to five medical center
    ▪ Name
    ▪ Intro.
    ▪ Site contacts
      ▪ Title
      ▪ Name, degree
      ▪ Email
      ▪ phone

• Laboratory for innovative translational technologies
• Intro.
  • Contact
    ▪ Title
    ▪ Name
    ▪ Degree
    ▪ Email

• Law and Health Policy
  • Intro to Petrie-Flom Center for Health Law Policy, Biotechnology and Bioethics at Harvard Law School
  • Website
  • Contact information
    ▪ Office name or people’s name
    ▪ Phone
    ▪ email

• Medications and society
  • Intro
  • Contact
    ▪ Name
    ▪ Address
    ▪ Website
    ▪ Phone
    ▪ email

• Pathology Specimen Locator
  • Link to access the PSL
  • Definition (what, why, and who)

• SHRINE (Beta testing and is open only to invited users) (Shared Health Research Information Network (SHRINE) helps researchers overcome one of the greatest problems in population-based research)

• Webdash
  • Link to outside website of Harvard university Pinsystem

• Consultation Program (five programs listed)
  • Intro to program
  • Consultation Form
  • Program Director
  • Associate Directors
  • Consultants by Institution

Find people (module, function is similar to the tabs, reference the above three items) — search by keywords for colleagues, collaborations, mentors. Build a trans-Harvard team. Customize your profile to reflect your present interests
Continue learning (module) – Degree programs, courses, nano-courses, colloquia, seminars. Customize your lifelong education.

Access resources (module) — apply for pilot fund. Use the human research labs. Access cores and emerging technologies. Gain access to patient information and samples. (VIVO does not provide this function)

Position: Bringing the right researchers together and allowing them to grow their scientific network

Before login

About (intro to this website, its benefits, user guide, company behind BME, and contact information)

Privacy (privacy issues about this website)

Register (free)

- Gender
- Last name
- First name
- First and middle Initials
- Email
- Login
- Password

FAQ

Contact (email)

Terms of use

After login

Profile build wizard

- Name, initials
- Suggested publications list based on the last name and initial information (there should be one huge publication database in the field)
- After select your publication, academic network will build on this. Following items will show on the my start page
  - Random experts in your network
  - Colleagues information
  - New publications of your co-authors
  - Network (which shows the coauthors, 2levels network, and 3 level network)
  - An interface to find colleagues
  - An interface to find experts by keywords and name
  - An global network view
  - Network diagram

- under the My BiomedExperts profile
- related publications are listed in different fields
- publications are listed ordered by data, and there is one flag to show whether the first author or the last author
- co-authors (co-authors are listed in this tab)
  - cooperated papers are listed under each co-author’s list
- network view

(I got this picture for I pretend to be another scholar with the name of Chen, S.)

- geoNetworkView
Times&Places (a statistics diagram shows the times and places of related publication)

Target: ResearchCrossroads was created to provide transparent access to the world of publicly funded research. Funding, publication, clinical trial and grant data from government and private research agencies is aggregated into a single database. Advanced reporting and analysis tools are then used to connect research to researchers, organizations and topic areas to uncover non-obvious associations.

Home

- About
  - Target of this website
  - Benefits to researchers, foundations, Corporations, Academia & Governments
- Advisors
  - Advisors list
- FAQ
- Contact
  - Name (or service office name), and title
  - Email
  - phone
- What’s new

Search

- Search researchers by name or organization or by expertise
  - The result returns the name and organization of the researchers
    - Profiles webpage
      - RCDI (unique id for this researcher in ResearchCrossRoads)
      - The url to this profile
      - Name
      - Organization (university or institute)
      - All funding (amount)
      - Image
      - Grants listed
        - name/granting organization (link to grant details)
          - name
          - summary
          - principal investigator
          - co-principal investigators
          - recipient organization
          - granting organization
          - reference
          - dates
• fiscal year
• funded amount
• keywords
  ▪ Fiscal years
  ▪ Total funding
  ▪ Publications
  ▪ patents

• funding (search funding)
  ▪ returns the funding information related with the search
  • title (link to full details)
    ▪ intro
    ▪ overview
    ▪ contact information
      ▪ name
      ▪ email
      ▪ address
  • granting organization
  • apps due

• search indirect cost agreements
  ▪ search by organization name
    ▪ results return the agreement no. and organization

• grants
  ▪ search by recipient org., granting org, and search terms
    ▪ returns title/abstract, research and organization
      ▪ link to grant details

• clinical trails
  ▪ search by status, phase, and search terms
    ▪ returns result with fields of trial title, phase, and status (registration is required to show more than ten records)
      ▪ trials title
      ▪ overview
        ▪ sponsor
        ▪ phase
        ▪ start date
        ▪ status
        ▪ end date
        ▪ contact
        ▪ study design
        ▪ conditions
        ▪ interventions
primary outcomes
secondary outcomes
  enrollment criteria
    expected enrollment
    minimum age
    maximum age
  inclusion criteria
  exclusion criteria
  collaborators
  locations

organization
  search by organization name and type
    returns result of origination (registration is required to show more than
    ten records)
      organization name
      RCID
      Funding history
      Researchers
      Funding organizations

News
  Search news by terms
    Results
    Suggested recent item news
      News title
      Main category
      Also included in other category
      Article date
      Content
      Rate about this article
      Contact information

Crossroads
  Disease crossroads (list of suggest additional crossroads or search terms)
    Specific information one crossroads
      Funding history
      Researchers
        Funding assigned to each researchers
          Name, organization, funding, grants
      Recent grants
        List of grants (title, researcher, organization)
• Available funding
  o List of opportunities (opportunity title, funding organization, apps due)
    ▪ Details of specific funding information
• News
  o News title
    ▪ News structure
  o Brief intro
  o Life science (structure to disease crossroads)
  o Physical science (structure to disease crossroads)
  o State crossroads (the map to view funding history, recipient organizations and funders of grants in this state)
    ▪ State
    ▪ Funding history
    ▪ Recipient organizations list
    ▪ Funding organizations list
6 CTSA-funded Digital|Vita at Pittsburgh, one instance of digital vita:
http://www.youtube.com/watch?v=3XqxJ8qOeEw

Definition of digital vita

Source: http://www.dental.pitt.edu/informatics/orc/

*Digital Vita* is based on a social network and allows users to manage CV and NIH biosketch information, and to create and edit an online profile. It automatically imports data from external sources and propagates publications to co-authors. Version 2 of *Digital Vita* will allow users to build networks of colleagues they collaborate with as well as generate annual evaluation documents.

Special traits: in the form of digital video


- Overview and content
- Introduction
- Background
- The design
  - The design | home
  - The design | template
  - The design | editing
  - The design | functions
  - The design | my colleagues
  - The design | search
  - The design | results
After access NRN (national research network)

Statement: Collaboration between basic researcher and clinical investigators is a critical element for translational science to take place. The Collexis Expert Platform is aimed at supporting the individual scientists in their attempts to build translational research teams. Based on Collexis author disambiguation and using PubMed as a content source, Collexis has automatically created the expert profiles of researchers from the CTSA-funded institutions and other Collexis customers. Users any identify researchers across all institutions using a keyword based search or can explore similar experts for each of the profiled researcher.

Interface to search experts by concept or by last name

- Return experts list
  - people
    - Research profiles
      - Publications are clustered by fields, such as disorders/diabetic neuropathies
        - Paper
          - Authors list
          - Paper title
          - Journal name
          - Year, vol, No. and page information
    - Publications
      - List of publications
        - Paper
          - Authors list
          - Paper title
          - Journal name


- Year, vol, No. and page information
- Show abstract

- NRN co-authors
  - Publication list
    - paper
      - Authors list
      - Paper title
      - Journal name
      - Year, vol, No. and page information
      - Show abstract
      - Show NRN co-authors

Browse CTSA (list of participating institutions)
  - List of experts affiliated to one specific institution
    - people

**Definition**

For researchers:

Sciologer, a Web-based, social network visualization tool that helps investigators to explore scientific communities, discover groups, understand major topics of research and search for collaborators.

For students:

Sciologer: an online visualization tool to explore scientific communities. The student can develop innovative tools to search, visualize and navigate scientific communities using data about publications and grants (need to know Java). Students can also evaluate needs for, usage of or adoption of visualization tools (need some background in cognitive science research).

I got more information after contacting with the architecture of this website.

http://www.dbmi.columbia.edu/sciologer/intro.html (logon is required, and related info are User name: sciologer; Password: sciologer2008)

**It offers services of:**

Sciologer is a search system designed to help researchers understand complex scientific communities. Sciologer may be useful for:

- identifying experts and potential collaborators
- identifying journals in which to consider publishing
- finding hidden patterns in scientific communities and “hot” research topics
- understanding how a field is organized, and learning about results in other fields
The use mechanism is:

For example 1) the search is for articles written by Françoise Barré-Sinoussi, a Nobel Prize winning researcher based at the Institut Pasteur.
Sciologer is a prototype search system for visualizing and exploring scientific communities.

Please note:
- Sciologer (pronounced "sy-AH-la-jr") queries the MEDLINE bibliographic database, which covers the fields of medicine, nursing, dentistry, veterinary medicine, the health care system, and the preclinical sciences.
- Sciologer uses the same syntax as PubMed, including PubMed Tags.
- To view Sciologer files, you must have a KML viewer such as Google Earth.
- Please see About Sciologer for more information on using the system.
- Sciologer is a prototype, and we are gathering data on how people use the system for development purposes. Please use caution when interpreting the images generated by Sciologer.
- For more information, or to inquire about participating in research using the Sciologer prototype, please contact Michael Bales, meb2108@columbia.edu or Stephen Johnson, sbj2@columbia.edu

2 The system returns the search result.
In this image there is an icon representing the author in the center. The author icon is surrounded by other icons representing:
1. published articles
2. the journals in which the articles were published
3. MeSH headings
4. substances
5. grants
6. institutions with which the author was affiliated when the articles were published

If you want to know more about the meaning of above image, you could refer to the webpage. http://www.dbmi.columbia.edu/sciologer/intro.html (logon is required, and related info are User name: sciologer; Password: sciologer2008)

It inherits all the fields of facebook.

Besides the basic application in facebook, it has the applications of RSS/blog, videos, and discussions.

**RSS/blog**
- NSF news
- Discovery files
- NSF discoveries

**Videos**
- National Science Foundation (NSF)'s Videos
- Fan Videos
- Discussions
- Topic
  - Title of topic (link to this topic)
    - Images of post person
    - Person name
    - Content
    - time
  - Summary of this topic, such as 2 posts by 2 people Created on August 21, 2009 at 4:05am
  - Last edit information, such as Latest post by Cat Scott Posted on September 23, 2009 at 12:48am
10 Research.gov - Researcher Profile Update Service - Integrated online tools to allow Principal Investigators and Reviewers to update their profile in one easy location.

Several triats:

Grant application; Research spending and results.

**Service offering:**

**Research spending and results:**

- Search by awardee or
  - Returns the result of grant, with fields of agency, awardee, awardee location, federal Award ID number, funds obligated to date, PD/PI Name, award title, award date
  - Grant details
    - Awardee
    - Doing business as name, eg Cornell university
    - PD/PI
    - Award date
    - Estimated Total Award Amount
    - Funds Obligated to Date
    - Award Start Date
    - Award Expiration Date
    - Transaction Type
    - Agency
    - CFDA Number
    - Primary Program Source
    - Award Title or Description
    - Federal Award ID Number
    - DUNS ID
    - Parent DUNS ID
    - Program
    - Program Officer
    - Awardee location
      - Street
      - City
      - State
      - Zip
      - county
      - country
      - awardee cong. District
Primary Location of Performance
- Name
- Street
- City
- State
- Zip
- County
- Country
- Cong district

Abstract at time of award

Policy Library

Research Headlines

Grant application status: Sponsored Projects Office staff (SPOs) and Principal Investigators (PIs) can check the status of their applications, from submission to decision, as they are received and reviewed by NSF, USDA/CSREES, and DoD/ARO. Account Required.


Institution and User Management

In the future, Research.gov plans to offer:

- **Researcher Profile Update Service** - Integrated online tools to allow Principal Investigators and Reviewers to update their profile in one easy location.

- **Program Officer Service** - Tools for program officers to find information and manage their grant portfolios.

- **Research Performance Progress Reports** - Online tool to complete and submit research performance progress reports using the new government-wide research and related dataset.

It is online tool for real-time communication and collaboration (It can be a conversation or a document)

Google wave’s featured extensions: it has some interesting applications, such as online games, telephone conference, video chat, and etc.

It also offers the developer APIs (reference http://code.google.com/apis/wave/)

(I have sent the request form for invitation for Google wave)

Position of this NC project:

1st stage: a pilot project to organize and structure knowledge by applying text mining and natural language processing to open biomedical abstracts

2nd stage: the development of a data analysis software system

How SC data works:

SC-Data is guided by a group of “expert advisers from both the sciences and the law”: about and by the scientific community. We build “requirements” through public listserv discussion and the Data Working Group – in much the same spirit as the functional specifications for software are developed.

Group:

- Name
- Position such as Semantic Web expert, and Senior Analyst/Ontological Engineer or other
- Affiliation

Sc-discuss archives

- Archive date
- View by mode
  - Thread
    - Starting date
    - Ending date
    - Message
    - Details of message
    - Name of post person
  - Subject
  - Author
  - date
- Download link
  - Summary for this file: from ** at email account on date
  - From: id at email account (name)
  - Date
  - Subject
  - Message-ID
  - Content of message
  - signature

Resources:
- FAQ
- Press (press information is different from VIVO)
  - List of press
    - Name (link to full details)
    - Journal name
    - date
- Reading room
  - Topics are organized under fields
    - field (eg. ontologies)
      - Topics (eg. Ontology Copyright Licensing Considerations)
        - Content of this topic
- Links
  - Useful links list
Community academic profiles

Person profile

- Title and affiliation (e.g. Chair, Stanford University School of Medicine - Neurosurgery (1995 - present))
- Professional education
- Postdoctoral Advisees
  - Name
  - Link to details (another profile page)
- Industry relationship
- Scientific relationship
  - Research interest
  - Publications
    - Title
      - abstract
    - Authors list
    - Journal name
    - Publication date and Vol and No. numbers

Interface to search

- By name
- By department
- Update your profiles
15 http://network.nature.com/

Position: connecting scientists

Forum (vivo do not have this kind of functions for interaction)

- Topics (they are classified by popular, featured, popular and general)
  - Title for topic
  - Attribute (public or something else)
  - Author of this topic
  - Date
  - Content
  - Tags

Group

- Featured group
  - Name
  - Attribute
  - Group profile
  - Website
  - Admin contact
  - Tags
  - Discussion board
    - newsletter
  - Members’ publications
  - Recently joint

Active group

People

- Recent active users
People profile

- Name
- Recent activity list
- What I do (occupation)
- Affiliation
- Location
  - City
  - hub
- interest
- project
- publications
- networks
- group and forums
- tags

Newest members

Blogs

- Recent posts
  - Post
    - Blog name
    - Blogger name
    - Blog statement
    - Post posted time and date
    - Post content
    - Comments
      - Date
- Name of person who gave comments
- contents
  - Permalink
  - Last updated time
- Featured posts
- Local hub posts
- Most active blogs
  - Blog
    - Blog name
    - Blog statement
    - Archive
    - Hub bloggers
    - Tags on this blog
    - Recent post
      - post
    - Recent comments
      - comment
- Latest comments

Hubs
- Nature network hubs
- Hubs
  - Boston
    - Boston homepage
    - People
    - Forum
- Blog
- Jobs
  - Jobs of the week
    - Title
    - Link to outside web site
- Events
  - New York
  - London
16 Wiki Professional

http://cwaapp1.liacs.nl/CWA/WikiProtein/index.php/Main%20Page

http://cwaapp1.liacs.nl/index.php/Main%20Page

position: WikiProfessional presently has two domains, WikiProteins and WikiPeople, where you can find more than a million biomedical concepts, and more than million authors.

A semantic Wiki for Life and Medical Sciences

WikiProteins

WikiProteins has pages for over one million biomedical concepts, derived from authorities such as the Unified Medical Language System (UMLS), UniProtKB/Swiss-Prot, IntAct and the Gene Ontology (GO). By adding information to concepts in WikiProteins, scientists expand an evolving knowledge base with facts, connections to other concepts, and reference information.

- Article
- Discussion
- Edit
- History
- Search (for example, search semantics)
  - Result returns words matching the fields and associated meanings (select the first item in the result list)
    - Term
    - Meaning concept
      - Definition
        - Text
        - Reference information
        - Community
        - NLM
        - As known as
          - Term
• Preferred in  
  • Reference information  
  • Community  
  • NLM  

• Reference information  
  • Connection  
  • Element  
  • Identifier  
  • Community  
  • NLM  

• Tags  
  • Tag  
  • Reference information  
  • Community  
  • NLM  

• Pointers to **semantics**  
  • Other concept  
  • Connection  
  • Concept  
  • Reference information  
  • Community  
  • NLM  

• Information in other website  
  • Definition  

**WikiPeople** (coming soon)
Experts who have published in PubMed will have a personal Wiki page. This page will feature their publications, their concepts of interests, and additional aliases. Each scientist represented in WikiPeople has the opportunity to confirm and edit the information displayed on their page.
17 LinkedIn

[http://www.linkedin.com/]

- Profile
  - Name
    - First name
    - Last name
    - Former/mainder name
    - Display name
  - Professional headline (eg. Student at Indiana University Bloomington)
  - Country
  - Zip code
  - Industry

- Work experience
  - Current
  - Past
  - Education
  - Recommended (received recommendations)
  - Connections (similar to co-authors and colleagues like information)
  - Website
  - Public profile (ulr of your profile in Linkin)

- Summary
  - Professional Experience & goals
  - Specialties

- Applications
  - 3rd party application could be added into LinkIn
• **Experience**
  - Position
    - Company name
    - Title
    - Time period
    - description

• **Education**
  - country
  - state
  - school name
  - degree
  - fields of study
  - dates attended
  - activities and societies
  - additional notes

• **Recommended by**

• **Additional information**
  - Website
  - Interests
  - Group and associations
  - Honors and awards

• **Personal information**
  - Phone
  - Address
  - IM
• Birthday
  • Marital status

• Contact settings
  • What type of messages will you accept?
  • Opportunity Preferences

Position: social network services website

Personal profile management

- Share
  - Ecard
  - Incidents
  - Blog
  - Work
  - Archive notes
  - Survey
  - Photos
  - Status
  - Blessing list
  - Video
  - Comments
  - Email
  - Link/bookmark
  - Music

- Personal profile
  - Work summary
    - Content
    - Privacy setting
  - Contact information
    - Job info
    - Email
• Phone
• IM
• Address
• Website
• Privacy settings

• Personal info
• Email
• Phone
• IM
• Address
• Website
• Privacy settings

○ Work/education
  • Work experience
    • Company name
    • Position
    • Date duration
    • Notes
  • Education
    • University
      • Graduate year
    • High school
      • Graduate year

○ Website
  • Outside website (eg.twitter, blog, facebook, myspace)
Personal information

- Marital status
- hometown
- birthday
- activity
- interest
- music
- TV play/film
- Books
- Privacy settings

- Photos
- Contact information
A “Digital Vita” project that will be able to manage all data contained in a curriculum vitae, output it to several standard formats (like NIH biosketches), keep a directory of collaborators, manage the flow of biographical information within research teams, and use the embedded social network for finding new collaborations (Click here for a prototype video demonstration of the Digital Vita system.)
Neo is a high-performance enterprise-class graph database built for rapid traversal of complex information. Download an open source evaluation version now!

Comments from Peter (got from email):

“It is an academic social network for organizations, researchers, publications and other interesting entities. This includes large scale heuristic graph recommendation algorithms based on random graph walkers, a complete ontology to capture research related material, activities and publications, web crawlers and translators to mine LinkedData, RDF and other information sources, and a running system based on Semantic Web analysis and the www.Neo4j.org graph database with RDF layers on top.”

Why neo

- Introduction
  - Trait: graph database
- The graph advantage
- Key benefits
  - No O/R mismatch (It uses simple graph building blocks (nodes, relationships and key-value properties) to model information.)
  - Easy schema evolution
  - Efficient storage of semi-structured information
  - High performance on deep traversals
- Top features
  - disk-based
  - full transaction support
  - massive scalability
small footprint

Products

- Product's introduction (Neo is a robust, highly performant and scalable Java graph database. **Commercial product**)

- Overview: as one commercial product, it offers several available commercial editions
  - Neo Basic Server: Can handle up to 10M primitives per instance.
  - Neo Advanced Server: Can handle up to 100M primitives per instance.
  - Neo Enterprise Server: Can handle an unlimited amount of primitives per instance.
  - Neo Client OEM: For desktop/client use, volume discount available.

- Contact sales (customer form)
  - Name
  - Email
  - Phone
  - Company name
  - Company size
  - How many Neo instance planned to deploy
  - How large node space expected to get per instance
  - Time frame to make a decision
  - message

Services

- Intro

- Product support
  - Standard support
  - Premium support
  - Professional services
Training package

implementation consulting

implementation consulting

Customers

- Intro.

- Selected customers (list)
  - Logo (customer logo)
  - Name
  - Uses of Neo
  - Customer website

Community

- Intro
  - All commercial products offered by Neo Technology are based on open source technology developed at Neo4j.org. For developers, Neo4j.org contains a breadth of information as well as access to both source code and binary releases of the open source Neo4j edition.

Contact us

About us
http://www.mil.se/sv/ The Swedish Defence forces

This is one customer of Neo Technology

The content of this website

About the armed forces

- The Swedish military service system
- Officer Training
- Joining the Armed Forces
- Our task
- Nordic defence cooperation
- What we do
- Facts and figures
- Environmental work
- Exercises

In Sweden

- Supreme Commander
- Armed Forces Headquarters (HKV)
- The Swedish Army
- The Swedish Navy
- The Swedish Air Force
- The Home Guard
- Training units
- Schools
- Centres
- Armed Forces Logistics (FMLOG)
- Armed Forces Network and Telecommunications Unit (FMTM)
• The Royal Guards
• Special forces units
• Units on standby
• Address list

In the world

In the world

This picture is interesting and interactive. The structure of the data embedded in that is

✓ Country or area name
✓ Code
✓ Established date
✓ Observers No.
✓ Medical assistant No.
✓ Total No.
• Afghanistan – ISAF
• Afghanistan – UNAMA
• Congo
• India and Pakistan
• Korea
• Kosovo
• Middle East
• Nepal
• Sudan – UNMIS
• Sudan – UNAMID

News
(the traits of the news here are full of pictures)

Press room
• Picture
• Photo by (people name)
• Camera type
• Press release
• Date
• Link to send to a friend
AAAS and Partners Debut New Online Networks for Clinical and Minority Scientists

Target:

**CTSciNet** is a community for people pursuing careers in clinical and translational research

Services provided: CTSciNet, which stands for Clinical and Translational Science Network, focuses on building a network of scientists and trainees who wish to speed the translation of scientific breakthroughs into real-world therapies—including scientists from all disciplines with clinical or basic science training—or both. Also welcome are people from other fields, such as business and clinical medicine, who wish to explore the possibilities for turning science into new and potentially profitable new technologies.

Service provided:

*In CTSciNet you can:*

- Network and have discussions with other scientists, including peers, mentors, and protegees.
- Join virtual groups on specific subjects or for specific organizations.
- Read articles and find specific information on navigating a career in clinical or translational research and on career development.
- Access information and resources from our partner organizations.

My Science **Career**

- My Account
- My resumes
- My cover letters
- My applications
- My Jobs

Find a job

- Job search
  - Search criteria (keywords, discipline, period, order by, jobs on page, show results (brief/detailed))
- Return a job
  - Posted data
  - Title
  - Location
  - Company
  - Select (check box)
    - Search by us locations
      - Metro area
      - State
      - Regions
      - Zip code
      - Radius in miles
    - Search by international locations
      - City
      - Country
      - Continent
- Browse all jobs
  - Jobs by country
  - Jobs by state
  - Jobs by category
  - Jobs by function
  - Jobs by position type
  - Jobs by company
- By employer
Jobs are listed by companies.

- Biotechnology jobs
  - Return jobs list
- Faculty jobs
  - Return jobs list
- Postdoctoral jobs
  - Return jobs list

For employers

- Search resumes
- Post a job
- Post a meeting
  - Search meetings
    - Return meetings and events list
      - Title
      - Date and place
      - Brief intro.
- Contact
  - Contact with this website information

Career magazine

- Issues & Perspectives
  - List of issues and perspectives
    - Title
      - Details include title, authors, date, and content
- Brief intro
- Whole story link
- Discuss in forum

- Career advice (the similar structure to Issues & Perspectives)
- The job market (the similar structure to Issues & Perspectives)
- Career profiles (the similar structure to Issues & Perspectives)
- Life & career (the similar structure to Issues & Perspectives)
- Diversity Issues (the similar structure to Issues & Perspectives)

Blogs
- Current blogs and archives
  - Date
  - Title
  - Content
  - Author
  - Permanent link
  - Comments
  - Trackbacks

Grants & Funding
- GrantsNet Account
- Search GrantsNet
  - Research funding
    - Experience level
    - Type of application
    - Limit research area to
• Deadline date
• International applicants (check box)
• Text search
  o **Student support (it seems interesting and not popular in other academic social sites.)**
    • Type of application
    • Supported components
    • General fields of support
    • Specific fields
    • Institution
    • Deadline year
    • Deadline month
    • US state
    • Text search
• Funding Directory
  o Funding list (Funding Directory represents a list of all programs currently entered in the GrantsNet database.)
    • Organization name program name
    • Program type(s)
    • URL Email address Telephone Number
    • In GrantsNet?
• Funding News
  o News title
  o News date
  o News author
• Tags (with hyperlinks)
  • Content

• Post a Grant

Tools & Tips

• How-to series (In these collections, our writers and editorial and business staff offer practical advice on a variety of topics related to finding a job and building a career in the sciences.)

• Outreach (career related things are not pop as well)
  • Career development workshops and events
  • Career development resources
    - Science and science careers booklets
    - Recordings of outreach events
    - Outreach event slides & handouts (featured download)
    - Other AAAS resources

• Graduate programs
  • Browse program profiles by institution name
  • Browse program profiles by subject areas
  • Browse program profiles by geographic location
  • Browse a clearinghouse of data and information on the preparation and participation of master's graduates in the sciences, mathematics and engineering provided by the Commission on Professionals in Science and Technology (CPST).

• Multimedia (A series of video clips from actual scientists talking about their work and what attracted them to science as a career.)

• Facebook (link to facebook site http://www.facebook.com/sciencecareers )

Community

• MySciNet
CTSciNet

Forum
  o Interface to search threads
  o Threads
    ▪ Subject
    ▪ Author
    ▪ Date
    ▪ Affiliation
    ▪ Content
    ▪ Follow up messages

MySciNet is a network focused on nurturing diversity in the scientific workforce.

Service provided: MySciNet is a professional network that seeks to connect scientists and students of diverse backgrounds based on race, ethnicity, gender, disability, sexual orientation, military service, and economic circumstances. Its objectives are similar to those of CTSciNet: It allows members to form communities to discuss education and jobs, research opportunities, and strategies for overcoming obstacles.

This website has similar structure to CTSciNet.

Services provided:

In MySciNet You Can:

- Network with other people who share your identity and interest in science.
- Join organizations who offer support to scientists with your specific ethnicity, lifestyle, gender, or ability.
- Find information on employers who offer a culture of inclusion
- Access a variety of resources designed to help you advance your career.

Comparison of these two parallel websites
In CTSciNet you can:

- Network and have discussions with other scientists, including peers, mentors, and protegees.
- Join virtual groups on specific subjects or for specific organizations.
- Read articles and find specific information on navigating a career in clinical or translational research and on career development.
- Access information and resources from our partner organizations.

In MySciNet You Can:

- Network with other people who share your identity and interest in science.
- Join organizations who offer support to scientists with your specific ethnicity, lifestyle, gender, or ability.
- Find information on employers who offer a culture of inclusion.
- Access a variety of resources designed to help you advance your career.
22 PubZone, a new service for the scientific community, in particular the database community. PubZone provides a discussion forum and Wiki for each publication. The idea for PubZone emerged as part of the initiative to ensure the repeatability of experiments reported in SIGMOD papers. The results of such repeatability experiments will be published in PubZone. However, any other material from authors and the community concerning a publication (e.g., errata, powerpoint, implementations of algorithms, data, etc.) can be published on PubZone. Furthermore, PubZone has a rating system which allows to rate publications and comments (adopted from the Amazon recommendation system for books).

In cooperation with Michael Ley, PubZone provides support for all the publications registered in DBLP and it is integrated into DBLP. If you would like to go to PubZone for a specific paper, please, click on the PZ icon in DBLP. You can also visit PubZone directly by going to

http://www.pubzone.org

You can browse through PubZone and view all content without registering. In order to post comments and upload material into PubZone, however, you need to activate your account. In order to activate your account, please, visit the PubZone Web site, click on "activate account" in the menu, and follow the instructions.

If you have any questions, please, contact us at: info@pubzone.org. We are very interested in feedback and your ideas.
• Top 3 best rated publications
• Top 3 latest conferences

The structure of publication: (it will be of help as reference to organization publication information)
• Search by keyword (shown in any field of publication)
  o Return publication list
    ▪ Show (button to show the detailed record of this publication)
  • Publication properties
    o Title
    o Rating
    o Discuss (comments)
    o Date
    o Publication type (eg. Conference paper)
    o Authors
      ▪ No. (the position of this author)
      ▪ First name
      ▪ Last name
      ▪ Show
        • Person profile
          o DOI
          o DBLP
          o Bookmark
  • Keywords
  • Incoming references
  • Outgoing references
• Journal / conference/ school (A publication can be assigned to a conference, a journal or a school.)
  o Journal
    • Name
    • Year
    • Vol
    • Number
    • DBLP
  • Title
• Author
  o Person profile
    • First anem
    • Last name
    • DBLP
    • Rating
    • Bookmark
    • Publications list (written by this author)
• Name (with name of publication, journal, issue, number, page information)
  o publication
  • Venue (this is new class for this whole survey)
  • Venue information (take journal for example)
    • Journal name
    • Year
    • Vol
    • Number
Below you find the publications assigned to this venue.

- Publication list
  - publication

- Rating
  - Rating records (most of the record there do not have rating)

- Date
23 ResearchMatch.org – A National Research Recruitment Registry, Harris, Vanderbilt, https://www.researchmatch.org/

Target: ResearchMatch has a simple goal – to bring together two groups of people who are looking for one another: (1) people who are trying to find research studies, and (2) researchers who are looking for people to participate in their studies.

This website is free to register. However it needs people to complete a survey about personal information such as name, address, email account, as well as some basic health information, including birth, height, weight, race, ethnicity, tobacco or not, and twins or not, general health condition, medications information, experience with ResearchMatch website. And then the user registration process finish.

After registration, users could access to this website to check the network information which is provided by this website as a service. The structure for this service is listed as below:

Find participants:

- View by CTSA
  - It returns a list representing those CTSA members that have had at least 1 institution within their CTSA sign a formal agreement to participate in ResearchMatch.
    - CTSA members
    - Institutions affiliated to this CTSA site

- View by institution
  - Return a list of these participating institutions and their affiliated CTSA organization.
    - Institution (with related affiliated CTSA site information)

More information for researchers

- Complete interest form
  - Name
  - Title
  - Institutional Email
  - Institution/University Name
Primary Research Interest(s)

Please include any additional comments here

FAQ

About the service provided: Recruitment tools will be made available to researchers at participating institutions starting January 2010. In advance to this period, please complete the Researcher Interest Form so that ResearchMatch can ensure that you are notified of your options to use this tool and forthcoming optional webinar trainings.

Comments: till now, this website can only be registered. It collects information through the volunteer survey and interest form. Main service of recruitment will be provided in Jan, 2010. I guess the information collected from individual will be used for basic filtering of the recruitment information.
HiveMind – Revolutionary Expertise Discovery Engine Enters Closed Beta

http://www.binaryplex.com/


Target: to help employees find experts within their organization without relying on those experts, or others, to manually update their profiles.

HiveMind uses what the team call “Social Taxonomy” to create definitions of what type of language demonstrates expertise in a given field. Once that’s done it’s a case of flicking the switch and allowing the algorithm to do its thing.
25 http://bibapp.org/

This website is created by the university of Wisconsin and UIUC. It matches researchers in your campus with their publication data and mines that data to see collaborations and to find experts in research areas.

- Trait:

  Open source (The BibApp’s source code is hosted on Google Code.) (details please check http://bibapp.org/download/)

- Main services it provided:

For researchers,

Promote your research; Find collaborators on campus; Make your research more accessible; Reuse your publication history in other applications.

For research groups, departments, and schools,

Promote the range of research in your unit; Understand the collaborations happening within your unit and others on campus; Make the research of your unit more accessible.

For librarians,

Better understand research happening in your departments; Facilitate conversations about author rights with researchers; Ease the population of your institutional or other repository; Get a clearer picture of scholarly publishing trends on your campus.

- Features

  - **Customizable faculty profiles:** Give faculty the personalized professional web profiles they want with photos and personal statements.

  - **Batch-import citations:** BibApp accepts citations in popular citation-tracking formats such as RefWorks XML and RIS

  - **Automatic rights-checking through SHERPA/RoMEO:** Cut through the copyright thicket! Assess an entire CV for reuse rights in seconds.

  - **Automatic import packages for your IR:** Make your DSpace, EPrints, or Fedora-based repository invisible! BibApp makes SWORD-compliant import packages for you.

  - **Third-party import and editing of citations:** Librarians, grant administrators, graduate students—faculty can deputize anyone to look after their online presence.
• **Automatic flagging of duplicate citations on import:** Never be embarrassed by duplicates again!

• **Name disambiguation for authors that learns over time:** More than one Dr. John Doe on your campus? As you assign citations to them, the BibApp learns how to tell them apart automatically! **(no details)**

• **Authority control for author, publisher, and journal names:** Nothing looks worse than messy browse listings. The BibApp creates “pen names” to keep your displays clean.

• **Book cover images via Google Books:** Show off faculty books and monographs with a boost from the Google Books API. **(Internet public resources are available through the interfaces provided by this website)**

• **Redirection to licensed articles via OpenURL:** Make sure all the visitors to your site can find a legal copy of the articles listed.

• **Open source:** Built on Ruby on Rails, Java, Lucene, and Solr. Runs on MySQL or PostgreSQL.

• **Faceted search:** Hone your results until they gleam!

I posted following questions to Eric Larson, the Librarian of WISC. waiting for his response.

1 Can scholars outside of UIUC and WISC use bibapp?

2 how many registered users for bibapp? and how many profiles bibapp provides.

3 Is this website based on semantics?

4 How does bibapp realize name disambiguation?

Target of this website: share medical knowledge within scholars.

Main services provided: Share videos, articles, and ideas; find people and organizations; explore topics of interest.

Profile information

- **Account information**
  - Profession
  - Specialty
  - First name
  - Last name
  - Suffix
  - Email
  - Password
  - Email frequency
  - Visible to public

- **Basic information**
  - current institution
  - current position
  - address
  - gender
  - office phone
  - fax
  - country
  - state/provinces
  - website/blog
• date of birth
• about me
• picture

• professional information
  • education
  • undergraduate
    ▪ institution
    ▪ degree
    ▪ year
  • graduate
    ▪ institution
    ▪ degree
    ▪ year
  • residency
    ▪ institution
    ▪ degree
    ▪ year
  • additional training
  • fellowship
  • specialty board certifications
  • board certifications (one or more)
  • professional affiliations
    ▪ institutions (one or more)
  • professional interests
- honors and awards
- community service and volunteer
- selected publications

Page information

- Title
- Author
  - affiliation
- Content (slides/ video) (it is one trait of this website. to share slides and videos as one kind of knowledge among scholars) (also they provide the options to download the videos and slides.)
  - Chapter description
- Comments
- Description
  - brief description
- Stats
  - publish date
  - views
  - ref#
- rating
  - average
about this website: Silobreaker is a search service for news and current affairs that aims to provide more relevant results to the user than what traditional search and aggregation engines have been offering so far. Instead of returning just lists of articles matching a search query, Silobreaker finds people, companies, organisations, topics, places and keywords; understands how they relate to each other in the news flow, and puts them in context through graphical results in its intuitive user interface.

features: Silobreaker offers subscription-based enterprise services as well as embeddable widgets and software solutions for corporate and government customers who require local Silobreaker installations tailored for their specific purposes.

Main Page

- Recently updated news
  - report time
  - updated time
  - documents number
  - field (means Global Issues/ Technology/Science/ Business/Energy/ World)
  - title
  - abstract
  - link to full content
  - entities (they work as key words)

- In focus (the following could be used to filter the current page)
  - person
  - company
  - organization
  - product
- city
- country
- technology (Internet & IT, telecom, environment science)
- other key words

- network
  - network views of one specific topic (for example, relationship and associations around Gordon Brown)

- hot spots (it is powered by Google)
  - related news related with one specific hot spot (a city/area/country)

- trends
  - graphic representation shows trend (for example, media attention trends for popular gaming consoles)

- blogs (sorted by date or relevance)
  - blog
    - title
    - field
    - post date (for example, 39mins ago)
    - abstract
    - link to whole content
    - entities
    - more documents from this story

- audio/video (sort by date/relevance)
  - title
  - link to more details
    - title
The content are organized by the following fields: Global Issues (politics, conflict and crime, environment, health), Technology (internet and IT, tecom, game, AI and Robotics), Science (biotechnology, nanotechnology, neuroscience, space science, earth science), Business (economy, market news, coporate deals, new business), Energy (Fossil fuels, alternative energy, energy storage), World (US, UK, Africa, Antarctica, Asia, Caribbean, central America, Europe, Middle east, Northern America (non-US), Oceania, South America).

For one article: when you read one article, the right column will show related “In focus” (it will some key person, organization, technology, country, and other keywords), network (shows the network related to this article), hot spot (shows related city or area in Google map), and blogs.

Search function

Example: type Indiana university, then you got the search result.
Then a network diagram shows relationship related to Indiana University. It shows the rough number of related company, organization, person, city, keyphrase, and product. Hover over image to show connected items, hover over text to see detailed information.

Also in the right place, “In focus” part shows keyphrase in person, organization, and other phrases.
The content volume shows volume in blog, audio/video, and articles related to Indiana University.

Hot spots show the hot spots related to Indiana University. The marked red means related news. For example, the two of three spots in Europe are related to Nobel Prize winner, Professor from Indiana University.
Also the search will return related quotes, blogs, and documents.

Besides general news, this website also provides sports and entertainment news.