GUIRR Meeting

October 5th, 2011

Rafael Sidi

Elsevier

VP, Applications Marketplace & Developer Network

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Vague but exciting ...

CERN DD/OC

Information Management: A Proposal

Tim Berners-Lee, CERN/DD

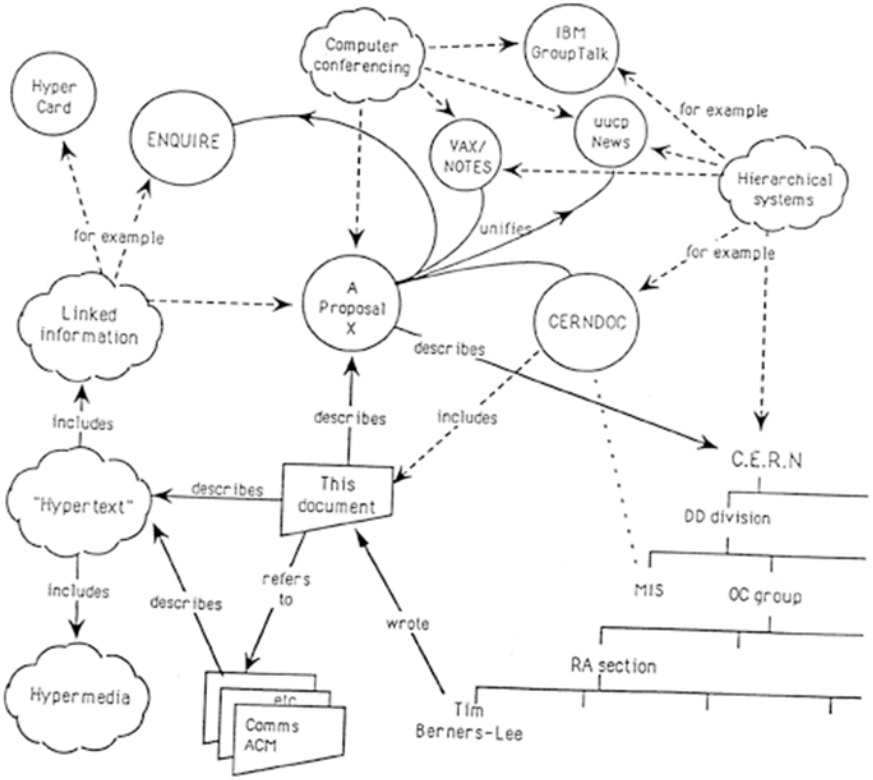
March 1989

Information Management: A Proposal

Abstract

This proposal concerns the management of general information about accelerators and experiments at CERN. It discusses the problems of loss of information about complex evolving systems and derives a solution based on a distributed hypertext sytstem.

Keywords: Hypertext, Computer conferencing, Document retrieval, Information management, Project control



Come writers and critics who prophesize with your pen
And keep your eyes wide, the chance won't come again
And don't speak too soon for the wheels still in spin
And there's no tellin' who that its namin',
For the loser now will be later to win
For the times they are a-changin'.

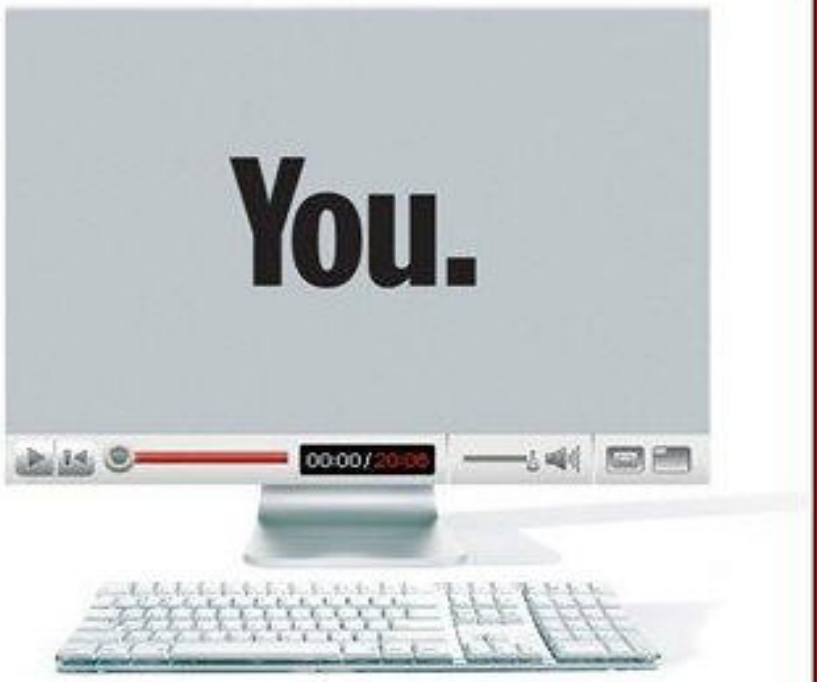
Bob Dylan, 1964

DECEMBER 25, 2006 / JANUARY 1, 2007

www.time.com

TIME

PERSON OF THE YEAR



Yes, you.
You control the Information Age.
Welcome to your world.

Person of the Year
TIME
Facebook's Mark Zuckerberg
THE CONNECTOR

TUNISIE DEMO
ANK YOU Facebook
fiers d'

Facebook
#jan25
ناس
بوك
THE EGYPTIAN
SOCIAL NETWORK

CHANGE

I DON'T WANT
THE WORLD TO
CHANGE
BECAUSE I LIKE
THE WAY IT IS

#18DaysInEgypt

A CROWD-SOURCED DOCUMENTARY PROJECT

Like 241 people like this. Be the first of your friends.

YOU WITNESSED IT YOU RECORDED IT **NOW TAG IT #18DAYSINEGYPT**

Follow us:

HOW TO PARTICIPATE

Tag your media in Twitter, YouTube and Flickr with the following tags: #18DaysInEgypt
+ the day it occurred: #jan25, #jan26, #jan27....#feb11
+ where it occurred: #tahrir, #heliopolis, #alexandria, #suez, #ndpbuilding

TWEETS FROM TAHRIR

EGYPT'S REVOLUTION AS IT UNFOLDED, IN THE WORDS OF THE PEOPLE WHO MADE IT

Edited by NADIA IDLE and ALEX NUNNS

Foreword by AHDAF SOUEIF

@Gsquare86 Gigi Ibrahim
Everyone in Cairo who wants Mubarak out and stands for justice come to Tahrir NOW!
Feb 2

"Without the new media the Egyptian Revolution could not have happened in the way that it did. The causes of the revolution were many; deep-rooted and long seated. The turning moment had come – but it was the instant and wide-spread nature of the new media that made it possible to recognise the moment and to push it into such an effective manifestation."—Ahdaf Soueif, from the foreword

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ABOUT THE BOOK

The Twitter accounts of the activists who brought heady days of revolution to Egypt in January and February this year paint an exhilarating picture of an uprising in real-time. Thousands of young people documented on cell phones every stage of their revolution, as it happened. This book brings together a selection of key tweets in a compelling, fast-paced narrative, allowing the story of the uprising to be told directly by the people in Cairo's Tahrir Square.

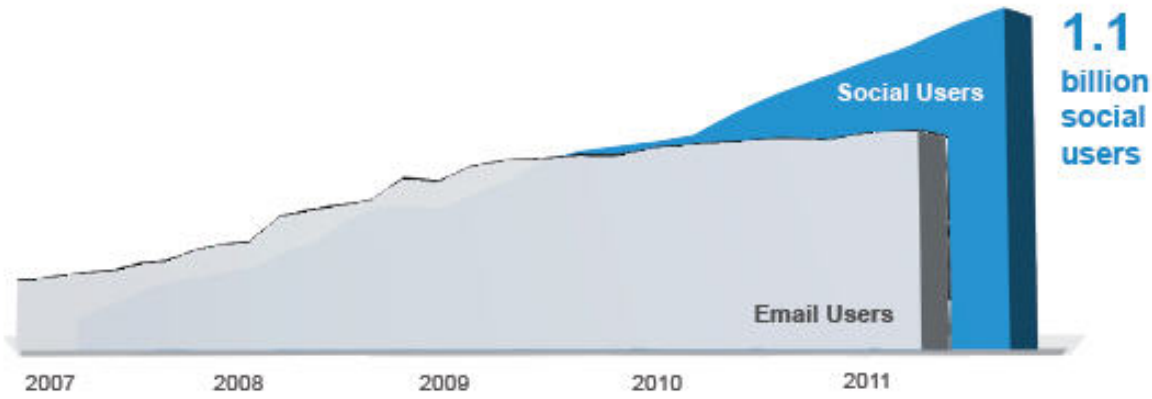
MORE OR TITLES

Midnight on the Mavi Marmara
Moustafa Bayoumi, Editor
Paperback ($16), Ebook ($10), Print + Ebook ($20)

Cookware and Flatware
$3.99-$19.99
Like us on Facebook
at
Facebook.com/BurlingtonCoatFactory
Burlington
BRAG ABOUT IT
EXIT
"I'M HELPING BEAT CANCER!"
LIGHT THE NIGHT WALK

BE SOCIAL
BE SOCIAL

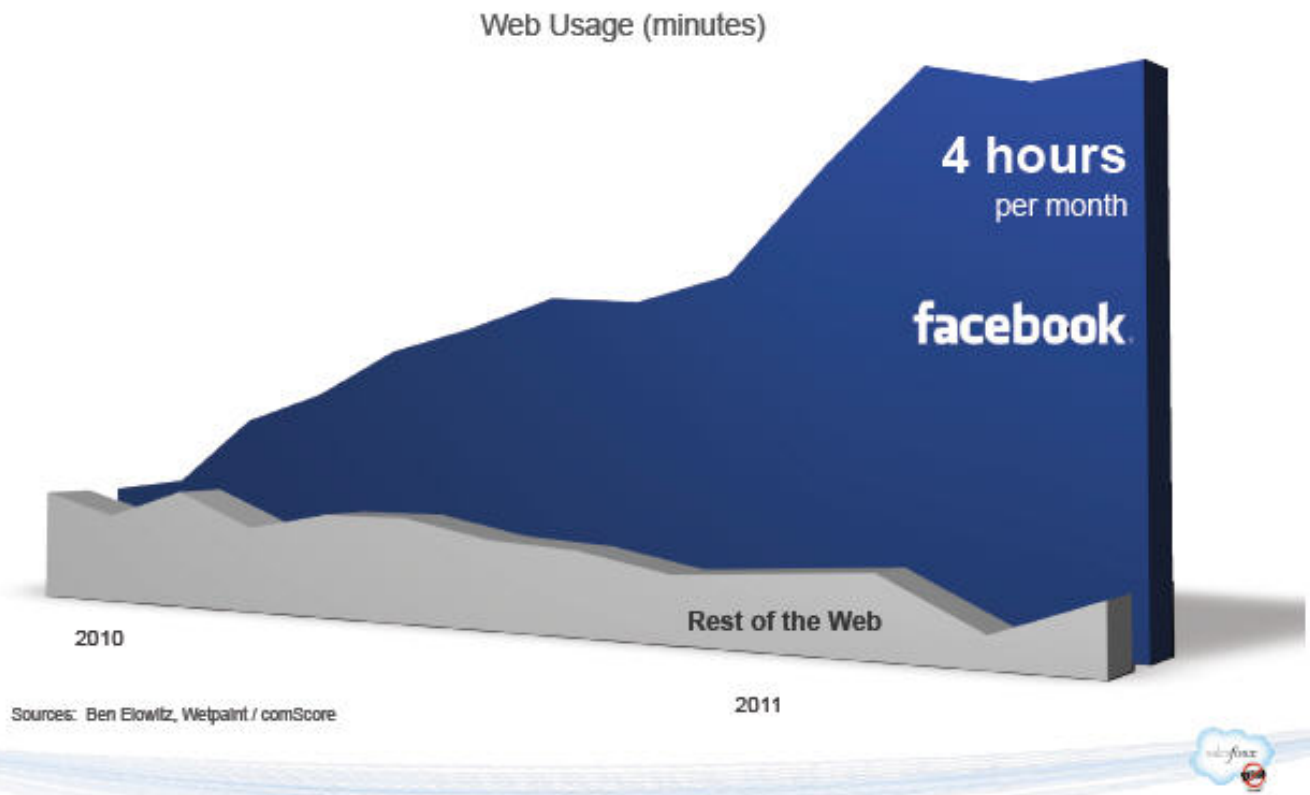
Social Revolution: Social Networking Surpasses Email



1.1 billion social users

Source: Comscore, June 2011

Social Revolution: The Web is Shrinking



HUBLOT GENEVE

The New York Times

Monday, September 26, 2011 Last Update: 8:07 PM ET

Senate Agrees to Deal to Avert Government Shutdown

By JENNIFER STEINHAUER
3 minutes ago

The breakthrough came after FEMA indicated it had enough money to squeak through the end of the fiscal year Friday night, eliminating a chief point of partisan contention.

· Roll Call: Senate Vote 153

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Slump Alters Jobless Map in U.S., With South Hit Hard

By MICHAEL COOPER
11:24 AM ET

The South, which entered the recession with the

SMALL FIXES

Low-cost innovations that can save thousands of lives.

Agnes Dherbeys for The New York Times

1 2 3 4 5 6 ➤

A nurse provider taught a group about reproduction.

Vinegar and Ingenuity Help Fight a Cancer

By DONALD G. McNEIL Jr. 6:07 PM ET

OPINION »

ROOM FOR DEBATE

Why Ban Fur, but Not Leather?

Skinning alligators? Fine. But something furry....

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- The Stone: 'Quixote,' Colbert and Reality

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Gerry McKiernan
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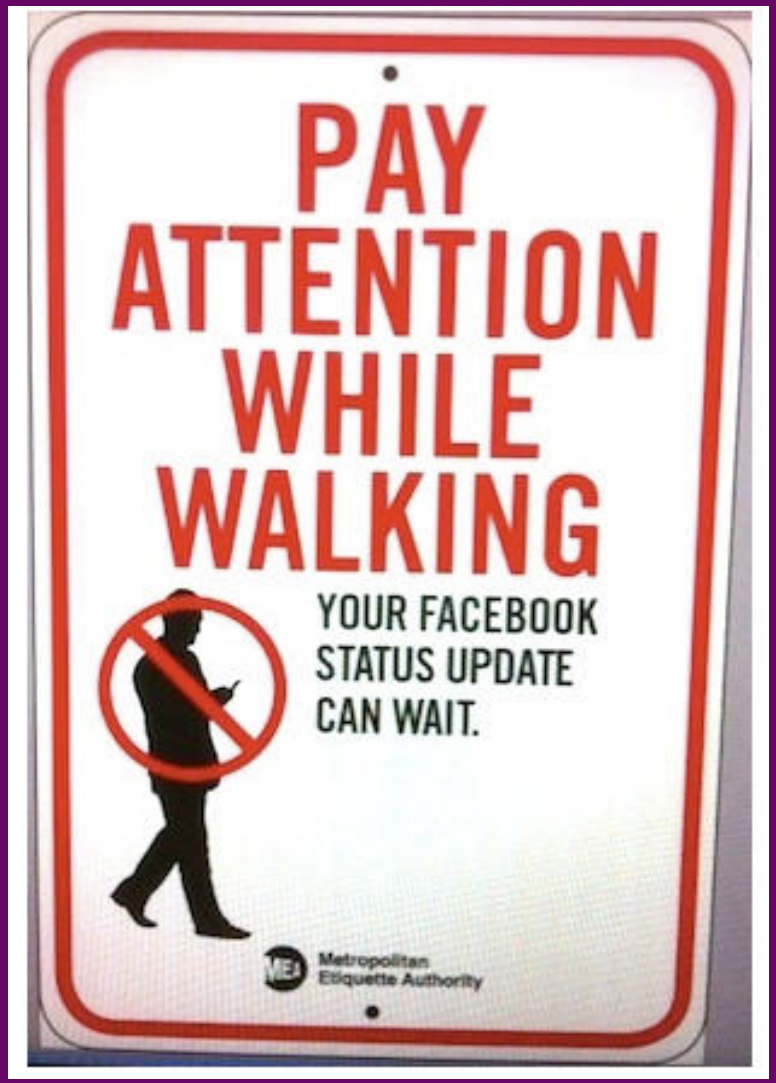
Death by social media?



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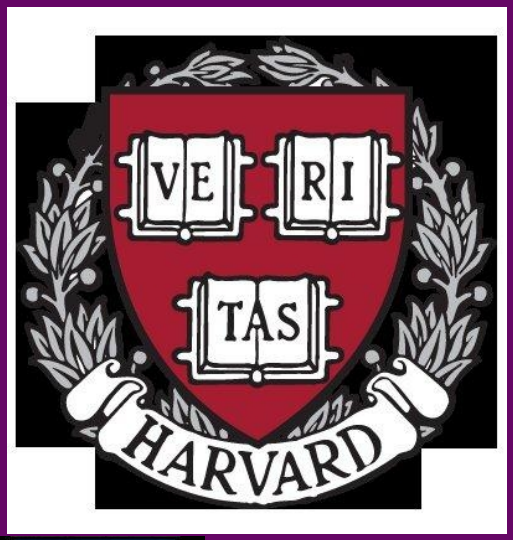
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POMONA COLLEGE
WELLESLEY
CLAREMONT McKENNA COLLEGE
HAVERFORD
Carleton College
Mashable
All That's New on the Web

HOKKAIDO UNIVERSITY

Akira Suzuki

Big, ugly, powerful, but not very friendly...

ACTIVE USERS: 99
650,000,000 people

WORLD REACH: 95
70% of facebook traffic from outside USA, more than 70 translations

USABILITY: 35

CUTTING EDGE: 55

UNIVERSITY OF CAMBRIDGE

Ei-ichi Negishi

Quick, agile, good at what it does but very short sighted...

ACTIVE USERS: 45
44,000,000 people

WORLD REACH: 80
USA all the way

USABILITY: 10

CUTTING EDGE: 90

MIT

Massachusetts Institute of Technology

Peter Diamond

Fierce contender to Facebook, not keen on outsiders...

ACTIVE USERS: 75
100,000,000

WORLD REACH: 10
China's answer to Facebook

USABILITY: 30

CUTTING EDGE: 45

LinkedIn

MANCHESTER 1824

Konstantin Novoselov

Sleek & sexy with more gadgets (widgets) than you can shake a stick at...

ACTIVE USERS: 65
51,000,000

WORLD REACH: 80
Spanish = 8.7%, Portuguese = 6.5%

USABILITY: 90

CUTTING EDGE: 90

Mike Jones

Quick, agile, good at what it does but very short sighted...

ACTIVE USERS:
44,000,000 people

MANCHESTER 1824

Andre Geim

Small, looks great but doesn't do all that much... 20

ACTIVE USERS: 20
They won't tell us!

WORLD REACH: 45
USA & UK is where Slideshare is known

USABILITY: 25

CUTTING EDGE:

UNIVERSITY of DE

Richard F. Heck

Fast, agile, capable of quickly forming large webs of connections...

ACTIVE USERS: 50
21,000,000 people*

WORLD REACH: 85
Japan has 3,500,000 active users

USABILITY: 65

CUTTING EDGE: 75

NORTHWESTERN UNIVERSITY

Dale Mortensen

Very impressive to look at but you wouldn't miss it if it was extinguished... 65

ACTIVE USERS: 40
51,000,000

WORLD REACH: 50
USA & UK images unite

USABILITY:

CUTTING EDGE:

PURDUE UNIVERSITY

Ei-ichi Negishi

Strong, solid, not very flexible & possibly the only thing uglier than facebook...

ACTIVE USERS: 70
70,000,000 people

WORLD REACH: 30
UK and USA = Linkedin userbase

USABILITY: 40

CUTTING EDGE: 30

Adam L. Kushner

@globalsurgeon Global (now New York)

Surgical MacGyver; Lecturer in Surgery, Columbia Univ; founder Surgeons OverSeas (SOS)

http://www.adamkushnermd.com

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globalsurgeon Adam L. Kushner
RT @columbiasurgery Columbia Physicians Help Train Surgeons in Western Africa bit.ly/p6b753 #globalsurgery #meded #globalhealth
14 minutes ago

globalsurgeon Adam L. Kushner
@jleow hmm...
4 hours ago

globalsurgeon Adam L. Kushner
CONGRATS! RT @EndoGoddess: Wall Street Journal EndoGoddess App Review: onespot.wsj.com/gadgets/2011/0...
4 hours ago

globalsurgeon Adam L. Kushner
Heading back to @UN tomorrow, meeting to discuss doing #SOSAS in #Malawi
4 hours ago

globalsurgeon Adam L. Kushner
RT @SAGES_Updates: Submission deadline for SAGES 2012 abstracts and videos is September 30, 2011. sages.org/abstracts
5 hours ago

globalsurgeon Adam L. Kushner
hmm, debating about going to COSECSA meeting in Lusaka 7-9 Dec...any one else going? #globalsurgery

About @globalsurgeon

3,378	1,348	1,547	138
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DrOBcookie Elizabeth B. · Follow
OB/GYN resident extraordinaire! Obsessed with...

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NIH Announces the Posting of Frequently Asked Questions (FAQs) applicable to the 2011 revised regulation on t... 1.usa.gov/pZr7dX
30 Sep

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Cancer Research Network: a Research Resource within Health Care Delivery System (Limited Competition U24): Fu... 1.usa.gov/o0doMZ
29 Sep

NIHforFunding NIH_for_Funding NIH
Revised Multiple Program Director(s)/Principal Investigator(s) Policy to Allow Change with Prior Approval: No... 1.usa.gov/psOcHB
28 Sep

NIHforFunding NIH_for_Funding NIH
Pre-application Meeting for RFA-NS-12-006 Exploratory/Planning Grant Program in Disease Modification and Pre... 1.usa.gov/po73lv
27 Sep

NIHforFunding NIH_for_Funding NIH
Revised Policy: Managing Conflict of Interest in the Initial Peer

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1,061	0	7,394	403
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Sep 2 2011

Your favourite academic tweeters: lists available to browse by subject area

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In the run up to launching a Guide to Academic Tweeting, we asked you to recommend your favourite academics on Twitter. Over the last week we received over 500 suggestions across all the major subject areas, and discovered some great new Tweeting gems with your help. Here we present all the suggestions, broken down into five subject area lists. Please feel free to share with anybody new to Twitter, and have a browse to see if you can find your new favourite academic tweeter.

Thank you to everybody who suggested their favourite academics on Twitter following the invitation on the blog last week. The responses we received were very positive and we were rather overwhelmed, but ultimately excited that a useful resource was being created by so many people.

In an attempt to turn the list into useful resources, we have separated the users into five subject areas, based on their research areas. Academics, researchers and experts in their fields have all been suggested, but let us know if you'd like to suggest somebody new.

See the Social Sciences list on Twitter
The Social Sciences list features researchers and academics who work in anthropology, economics, geography, law, political science, and sociology. It is the longest list, with over 150 suggestions.

See the Arts and Humanities list on Twitter
As the second largest list, the Arts and Humanities contributions cover academics and researchers who are interested in history, languages, literature, philosophy, and music.

See the Science, Technology, Engineering and Mathematics list on Twitter
The suggestions for STEM subject academics revealed some very prolific Tweeters, although we are a little short on the Mathematics front. If you have any more suggestions that you'd like to see on the list

Search Impact of Social Sciences Blog

Search

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- Available now: a guide to using Twitter in university research, teaching and impact activities
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STEM Academic Tweeters

Science, Technology, Engineering and Mathematics

A **public** list
Curated by LSEImpactBlog

Follow this list

Tweets | **Following: 45** | Followers: 29

People this list follows

telescoper Peter Coles
theoretical astrophysicist (specialising in cosmology), as well as opera, jazz and crossword addict
Follow

DrBobBullard Robert D. Bullard
Leading scholar, educator, activist, award winning author of more than 16 books and father of environmental justice.
Follow

iain_white Iain White
Spatial planning academic & Director of CURE research centre. Interested in water, climate change, resilience and cities. Finds it hard to keep within word limi
Follow

Calestous Calestous Juma
I teach science and innovation policy at Harvard Kennedy School. Searching patterns of global change by monitoring and sharing news. If in doubt, unfollow.
Follow

FondationMSH FMSH
Fondation Maison des sciences de l'homme à Paris - Site: http://www.msh-paris.fr et sur Facebook: http://on.fb.me/FondationMSH
Follow

the_eco_thought Timothy Morton
One of the things that modern society has damaged has been thinking. Unfortunately, one of the damaged ideas is that of Nature itself.
Follow

mattpasquinelli Matteo Pasquinelli
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telescoper Peter Coles · Follow
theoretical astrophysicist (specialising in cosmo...

DrBobBullard Robert D. Bullard · Follow
Leading scholar, educator, activist, award winn...

iain_white Iain White · Follow
Spatial planning academic & Director of CURE re...

Calestous Calestous Juma · Follow
I teach science and innovation policy at Harvard...

More lists by @LSEImpactBlog · view all

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Surgical Professionalism in the 21st Century

Walter E. Washington Convention Center
Washington, DC
October 3-7, 2010

New Search

Session Code:	PS233
Day and Time of Session:	Tuesday, October 5; 02:30 PM - 04:00 PM
Title:	To Tweet or Become Extinct?: Why Surgeons Need to Understand Social Networking
Description:	The use of social networking sites, such MySpace, Face book, Twitter, YouTube and other as a means of communication is exploding, particularly among millions of young people. Social networking sites have been increasingly adopted by many online health-related professional and educational services. Social networking may represent an effective way for surgeons to better serve, i.e., to communicate, to educate, to care, for their patients, the public, medical students, residents and the general public. In this session, we will inform surgeons about how surgeons can use social networking and the potential uses and abuses of social networking sites. You can follow this panel discussion now (premeeting) and live (during the panel) on Twitter @ "#ACS2010".
CME Credit Hours:	1.50
Webcast Package Available:	No
	Important information about purchasing Webcast and Audio Packages [Click here for more information.]
Audio Package Available:	Yes

Tracks:

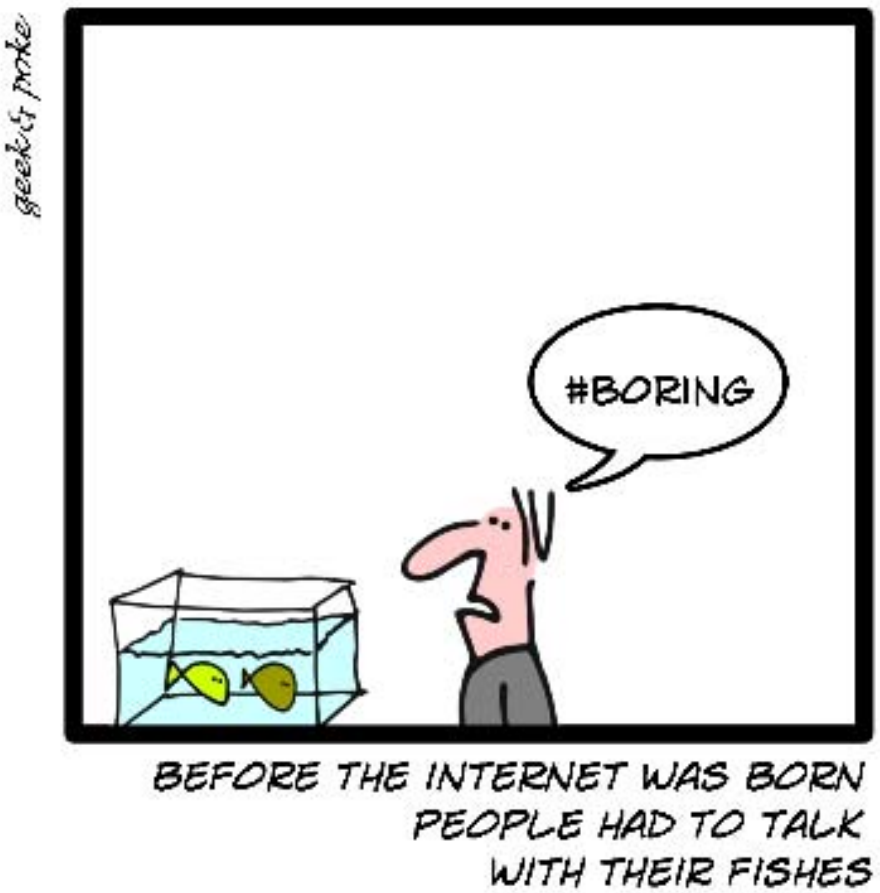
Education / Outcomes & Safety (EDU)

General Surgery (GEN)

Using Twitter for training

A lot of the training consists of passing on information, lessons learned and wisdom to the next generation. Twitter allows us to dramatically scale up our ability to do this. When I post somthing on Twitter, all the pediatric surgeons, trainees and colleagues in the country and the world can see it instantly.

Dr. Philip L. Glick


geek & poke
#BORING
BEFORE THE INTERNET WAS BORN
PEOPLE HAD TO TALK
WITH THEIR FISHES

FUNDEMANTAL SHIFT THE WAY WE COMMUNICATE

CREATE

PUBLISH

SHARE

COLLABORATE

LEARN

ShareThis
Subscribe Feed

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Log In here
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Viewpoint

Wikipedia: A Key Tool for Global Public Health Promotion

James M Heilman[1,2], MD CCFP(EM); Eckhard Kemmann[3], MD FACOG; Michael Bonert[4], MD MASc; Anwesh Chatterjee[5], MRCP; Brent Ragar[6], MD; Graham M Beards[7], DSc; David J Iberri[8]; Matthew Harvey[9,10], BMed; Brendan Thomas[11], MD; Wouter Stomp[12], MD; Michael F Martone[13]; Daniel J Lodge[14], MD; Andrea Vondracek[15], PhD; Jacob F de Wolff[16], MRCP; Casimir Liber[17,18], MBBS FRANZCP; Samir C Grover[19], MD MEd FRCPC; Tim J Vickers[20], PhD; Bertalan Meskó[21], MD; Michaël R Laurent[22], MD

[1]College of Medicine, University of Saskatchewan, Saskatoon, SK, Canada
[2]Department of Emergency Medicine, Moose Jaw Union Hospital, Moose Jaw, SK, Canada

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Journal of Medical Internet Research (JMIR)
Peer-review me:

Perceived benefits from web-based educational migraine website
bit.ly

Background: Web-based resources are frequently used by patients for medical information. Low confidence in ability to manage migraines (self-efficacy) has been linked to increased disability and web-based interventions have been shown to improve patient self-efficacy. Objective: To evaluate self-efficacy among migraineurs visiting a migraine-specific website and the impact of self-efficacy on utilization of web-based resources. Methods: This open survey collected data on utilization and impact from a migraine-specific educational and community website, Migraine.com, launched December 2010. Self-reported migraineurs visiting the website at least 3 times were surveyed about their experience. Participants were asked about demographics, migraine frequency, self-efficacy, and utilization of various website features. Results: During the month of data collection, 524 individuals participated in the survey (94.1% female, with over half of the sample between ages 35 and 54 years old). Overal...

Like · Comment · 2 hours ago via twitterfeed

Journal of Medical Internet Research (JMIR)
jmir.org:

A Comparison of a Postal Survey and Mixed-Mode Survey Using a Questionnaire on Patients' Experiences With Breast Care
bit.ly

Background: The Internet is increasingly considered to be an efficient medium for assessing the quality of health care seen from the patients' perspective. Potential benefits of Internet surveys such as time efficiency, reduced effort, and lower costs should be balanced against potential weaknesses such as low response rates and accessibility for only a subset of potential participants. Combining an Internet questionnaire with a traditional paper follow-up questionnaire (mixed-mode survey) can possibly compensate for these weaknesses and provide an alternative to a postal survey. Objective: To examine whether there are differences between a mixed-mode survey and a postal survey in terms of respondent characteristics, response rate and time, quality of data, costs, and global ratings of health care or health care providers (general practitioner, hospital care in the diagnostic phase, surgeon, nurses,

NIH Refers to 'Wikipedians' for Help: Scientists Learn Online Etiquette

By Ibby Caputo
Washington Post Staff Writer
Tuesday, July 28, 2009

wp Network News PROFILE
Recommend
View More Activity

TOOLBOX
Resize Print
E-mail Reprints

What is acetaminophen made from? Does heartburn lead to Barrett's esophagus? Will your 3-year-old outgrow her stutter?

When Americans have questions like those, one of the first places they go for answers is online. At some point, many end up at Wikipedia.

"More and more people are using the Web to get their health information to augment what they learn from their physicians," says John T. Burklow, the public liaison for the National Institutes of Health. A recent survey by the Pew Internet & American Life Project shows that researching health information is the third most popular online activity among adults, after e-mail and general searching.

To make that online information more reliable, NIH is encouraging its scientists and science writers to edit and even initiate Wikipedia articles in their fields. This month, it joined with the Wikimedia Foundation, which publishes the cyber encyclopedia, to host "Wikipedia Academy," a training session on the language Wikipedia articles at least five times a month - gave presentations promoting the open-source encyclopedia and encouraging about 100 NIH employees to become editors. The volunteer instructors, or "Wikipedians," were not just techno-geeks; they also included scientists who could appreciate the questions NIH staffers might have. Attendees were shown how to use the template that produces a Wikipedia article, with its embedded table of contents and multiple links; they also discussed topics such as managing the quality of articles and the verifiability of information.

Among those at the event was Ronald Summers, a radiologist at the NIH Clinical Center who is trying to find ways to spot early colorectal cancer. He said he had thought about contributing to Wikipedia before but had been intimidated by its complexity.

"It seemed like they had a special language you had to use to format the

monitored by fellow users, who can make corrections and change the text freely. All information that is posted is supposed to include citations so a reader can check the primary sources of the data.

By law, NIH must make its health and science articles publicly available within a year after they appear in peer-reviewed journals. A collaboration with the Wikimedia Foundation seemed natural, Burklow said, because NIH and the foundation share a common goal "that the information on Wikipedia is of the highest quality and up-to-date."

Since the workshop, Summers has edited his first Wikipedia article, though he would not disclose the topic because editors are supposed to be anonymous.

"As it turned out, it was a very simple structure with headings and indentation

Welcome to Radiopaedia.org

Anyone can join. Anyone can edit.

Registration is free & takes only 2 minutes. I want to sign up now

Case of the Day

Superficial siderosis

Contributed by Dr Frank Gaillard

Gradient echo axial imaging through the brain demonstrates extensive low signal regions lining the surface of the brain. This is most easily seen over the superior aspect of the cerebellum. The low signal regions also demonstrate blooming, consistent with susceptibility artefact fr...

View Case

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Radiology case of the Day: Superficial siderosis. http://t.co/KlrtNNyi

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Radiology case of the Day: Testicular seminoma. http://t.co/uvDbY3dc

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Open Notebook Science Challenge

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RSC Open Notebook Science Awards - Apply Here

What?

The first round of this challenge calls upon people with access to materials and equipment to measure the solubility of compounds (aldehydes, amines and carboxylic acids are a priority) in organic solvents and report their findings using Open Notebook Science. (View the cumulative list of results or as a web query interface (courtesy of Rajarshi Guha) or in a book format. Note: some of these values may be approximate - see respective notebook pages to ascertain assumptions and methods.)

Why?

Understanding **exactly how** an experiment was performed is essential to the efficient progress of science. There are no absolute facts in the scientific literature; every measurement reported is only meaningful within the full context of how it was generated. The purpose of a laboratory notebook is to report as much of this context as is reasonable. But to find trends data must be abstracted to a level where they can be manipulated in tables and charts. This is not a problem as long as one can drill down from each data point in a chart to the full context found in the laboratory notebook.

For example, a Google search for "vanillin solubility in THF" pulls up a lab book page EXP207 where it is reported to be 3.89M. This number might be used in a table of someone trying to quantify trends or test a mathematical model, in which case reliability of the number is important. By reading the lab notebook page it becomes clear that 118.5 mg of solid was measured on a scale with 0.1 mg accuracy. However only one measurement was obtained. All kinds of other details which might be important are provided, for example how long the mixture was vortexed, at what temperature and the physical appearance after evaporation. If this number turns out to be an outlier, one can investigate if a calculation error was the cause by inspecting the linked spreadsheet.

However, if a researcher is simply looking for the feasibility of making up a 2M solution of vanillin in THF for a reaction the margin of acceptable error is so wide that the answer is almost certainly "yes".

The purpose of Open Notebook Science is to allow immediate communication of scientific results. The value of these results will depend upon the quality of the laboratory notebook and the linked raw data. Publication in peer-reviewed journals is still an extremely important part of this process but it is not an appropriate vehicle for the efficient communication of this type of information.

In fact, one of the motivations for participating in this project is that we will collect data from sufficiently well recorded experiments and publish them in a peer-reviewed journal with the participation of the researchers as co-authors. We aim to build a mathematical model to predict solubility using the results obtained from this project. Solubility data from non-aqueous solvents is still quite sparse (for example see the NIST solubility database)

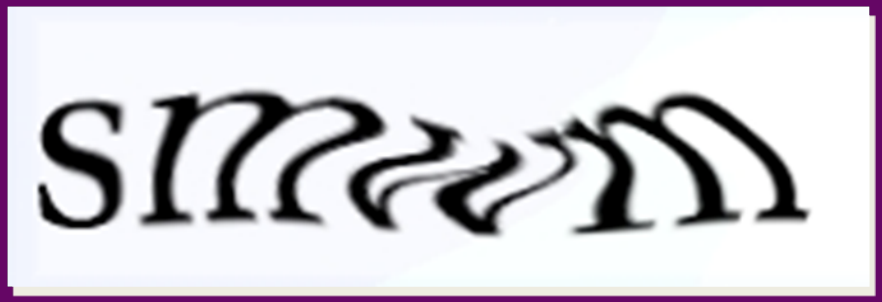
From a larger perspective, these experiments fit within a project to synthesize new anti-malarial agents using the Ugi reaction. By being able to predict the solubility of starting materials and product, we postulate that we can predict an optimal solvent and concentration to carry out the reaction and isolate the Ugi product by simple filtration. For more on this approach see: Bradley, Jean-Claude, Mirza, Khalid, Owens, Kevin, Osborne, Tom, and Williams, Antony. **Optimization of the Ugi reaction using parallel synthesis and automated liquid handling**. Available from Nature Precedings <http://hdl.handle.net/10101/npre.2009.2237.1> (published in JoVE - J Vis Exp, 2009 Nov 11;(21). pii: 942. doi: 10.3791/942)

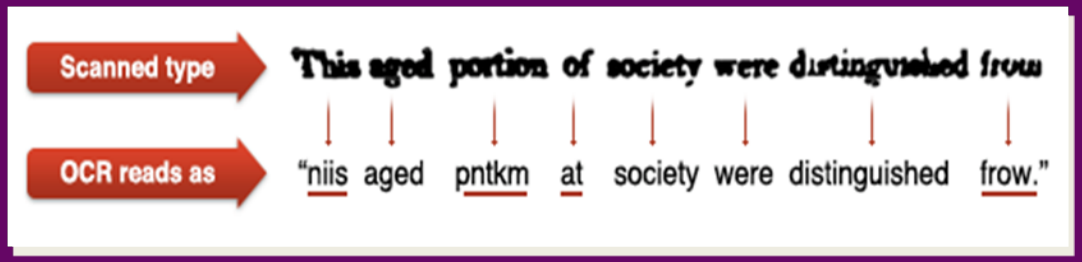
Jeff Howe

Crowdsourcing

How the Power of the Crowd is Driving the Future of Business

The power of cooperation





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Gather 1000 supporters and get produced

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Make Your Wishes Come True

1.

Have an idea? Create a Wish!!

2.

People sharing the same Wish can pledge their Support

3.

Wishes with 1000 supporters can become LEGO® products

Latest Wishes

more latest wishes

LEGO iPod Dock

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Gamers Unlock Protein Mystery That Baffled AIDS Researchers For Years

By Leslie Horn | September 19, 2011 10:42am EST | 51 Comments | Email | Print

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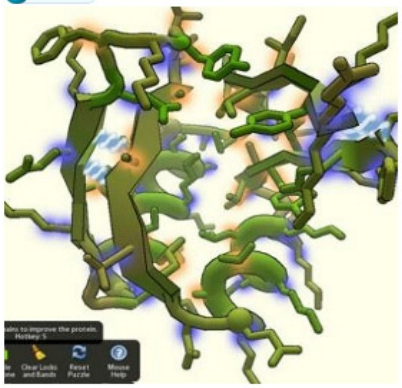

In just three weeks, gamers deciphered the structure of a key protein in the development of AIDS that has stumped scientists for years. According to a study published Sunday in the journal *Nature Structural & Molecular Biology*, the findings could present a significant breakthrough for AIDS and HIV research.

Using an online game called Foldit, players were able to predict the structure of a protein called retroviral protease, an enzyme that plays a critical role in the way HIV multiplies. Unlocking the build of the protein could theoretically aid scientists in developing drugs that would stop protease from spreading.

"Following the failure of a wide range of attempts to solve the crystal structure of M-PMV retroviral protease by molecular replacement, we challenged players of the protein folding game Foldit to produce accurate models of the protein," the study reads. "Remarkably, Foldit players were able to generate models of sufficient quality for successful molecular replacement and subsequent structure determination. The refined structure provides new insights for the design of antiretroviral drugs."

Developed by researchers at the University of Washington, Foldit turns scientific problems into competitive games. Players were charged with using spatial and critical thinking skills to build 3D models of protease. Few of these players had any kind of background in biochemistry.

According to Fox, it took players a matter of days to come up with models that were solid enough for researchers to translate into scientific rendering of the protein.

"People have spatial reasoning skills, something computers are not yet good at," Foldit's lead designer Seth Cooper said in a statement. "Games provide a framework for bringing together the strengths of computers and humans."

Foldit has not only made this breakthrough with AIDS research, but it has also aided in Cancer and Alzheimer's research. For more, read the study in its entirety here.

For more from Leslie, follow her on Twitter @LesHorn.

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Log in You need to be logged into Facebook to see your friends' recommendations.

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NATURE STRUCTURAL & MOLECULAR BIOLOGY | BRIEF COMMUNICATION

Crystal structure of a monomeric retroviral protease solved by protein folding game players

Firas Khatib, Frank DiMaio, Seth Cooper, Maciej Kazmierczyk, Miroslaw Gilski, Szymon Krzywda, Helena Zabranska, Iva Pichova, James Thompson, Zoran Popović, Mariusz Jaskolski & David Baker

Affiliations | Contributions | Corresponding author

Nature Structural & Molecular Biology (2011) | doi:10.1038/nsmb.2119

Received 27 May 2011 | Accepted 08 July 2011 | Published online 18 September 2011

Following the failure of a wide range of attempts to solve the crystal structure of M-PMV retroviral protease by molecular replacement, we challenged players of the protein folding game Foldit to produce accurate models of the protein. Remarkably, Foldit players were able to generate models of sufficient quality for successful molecular replacement and subsequent structure determination. The refined structure provides new insights for the design of antiretroviral drugs.

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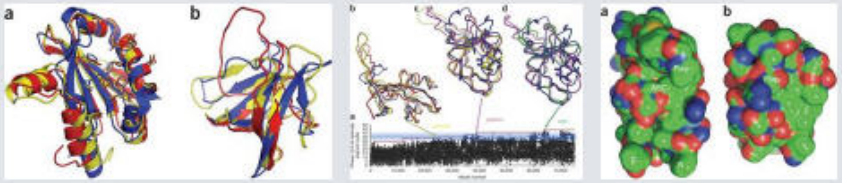
Figures at a glance



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Cathode Materials for Rechargeable Magnesium Battery
Deadline: Oct 29 2011
Reward: **$30,000 USD**
We are looking for new candidates for a cathode material for a rechargeable magnesium battery that

Puzzles

Click here to start playing

Current

462 (<150): Multi-Start Bacteroides Vulgatus Puzzle

Expires: 10/12/11
1 comment

Top Group: ROMANIA Team
Top Player: rillium
Top Score: 10,300

We are giving you 5 server models for this currently unsolved protein. Resetting the puzzle will cycle through these 5 Zhang server predictions. They are also in the Alignment Tool so you can use partial threading as well as an extended chain. We would like to see how well you can refine these models that were not generated using Rosetta. More info about this protein in the puzzle comments. For players with fewer than 150 global points.

462 (<15): Multi-Start Bacteroides Vulgatus Puzzle

Expires: 10/12/11
1 comment

Top Group: Skeptics Guide to the Universe
Top Player: Nas Brenton
Top Score: 10,131

We are giving you 5 server models for this currently unsolved protein. Resetting the puzzle will cycle through these 5 Zhang server predictions. They are also in the Alignment Tool so you can use partial threading as well as an extended chain. We would like to see how well you can refine these models that were not generated using Rosetta. More info about this protein in the puzzle comments. For players with fewer than 15 global points.

462: Multi-Start Bacteroides Vulgatus Puzzle

Expires: 10/12/11
5 comments

Top Group: Androids
Top Player: wudoo
Top Score: 10,957

GET STARTED: DOWNLOAD

Win Beta — Windows XP/Vista/7
Mac Beta — Intel OSX 10.4 or later
Linux Beta — Linux

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- Windows 7
- Adapt Foldit for the other domains ?
- Urine eating bug churns out space fuel
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- Can't access science puzzles

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Foldit on Facebook
Like 7,452

TOP NEW USERS

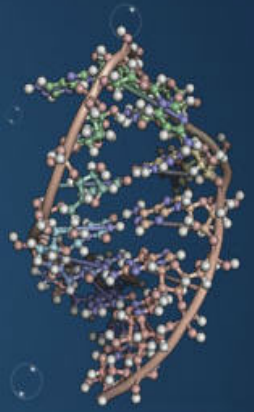
- yabash
- foldlold
- rillium
- Reinderien
- ycl6

EteRNA

Username: Password: Log in

Create new account Forgot password? Log in with Facebook

Played by **Humans**



Scored by Nature

Welcome to EteRNA where you help scientists understand life at the cellular level.

You play by designing RNAs, tiny molecules at the heart of every cell. If you win the weekly competition, your RNA is synthesized and scored by how well it folds.

Start

Me! Puzzles RNA Lab Community

Puzzle

Quick Puzzles are a great way to hone your RNA folding skills.
Beating Quick Puzzles earns you nucleotide points!

TUTORIALS

Tutorials are a great place to start learning the art of RNA folding.

GO!

Challenges

Hone your skills by folding RNA molecules that appear in nature.

GO!

Player Puzzles

Play other players' puzzles or create your own!

GO!

Try latest puzzles!

Adjacent Stacks

0 100

117

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Adjacent Stack Limit

User-rated Difficulty

play now!

Rafael Sidi
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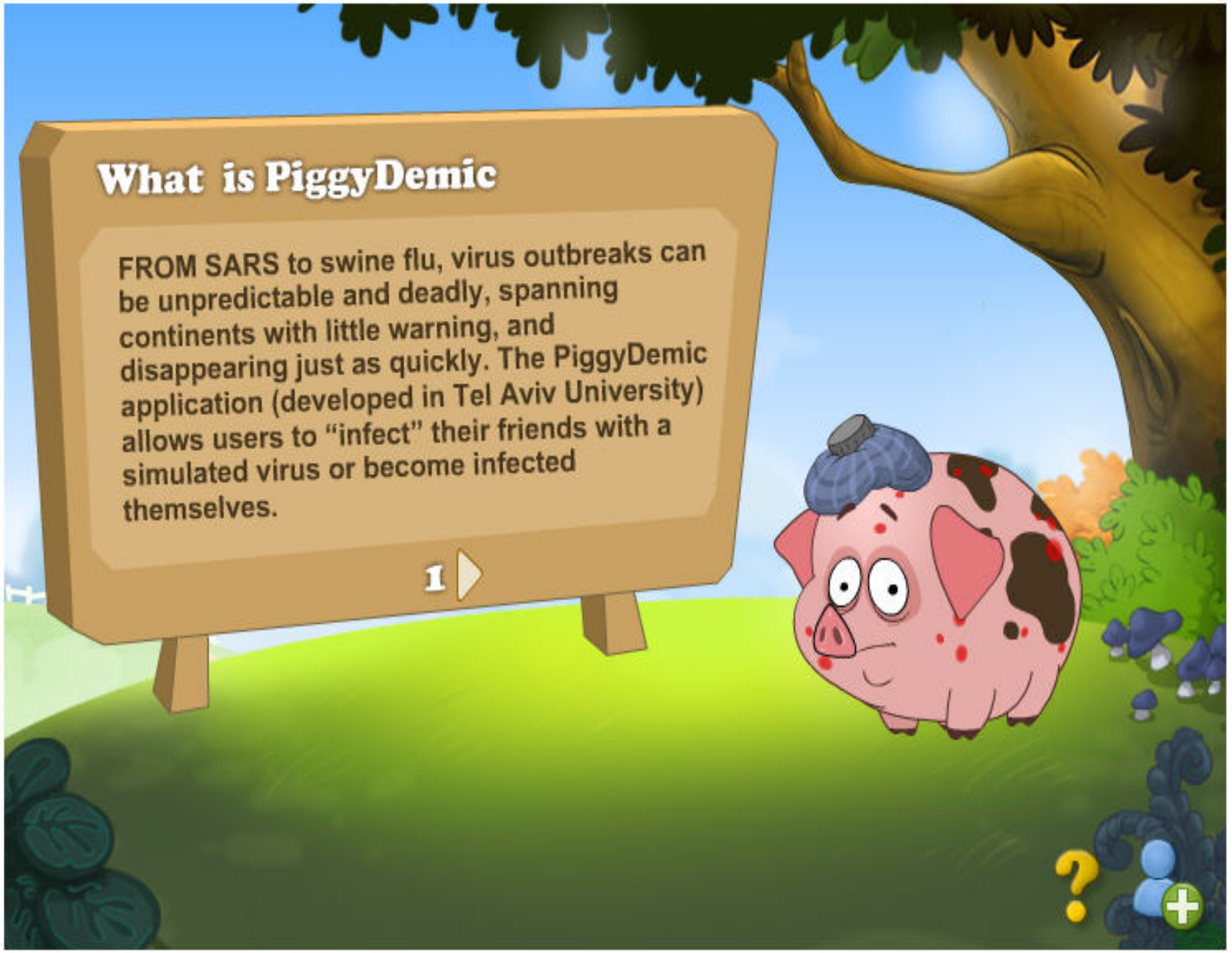
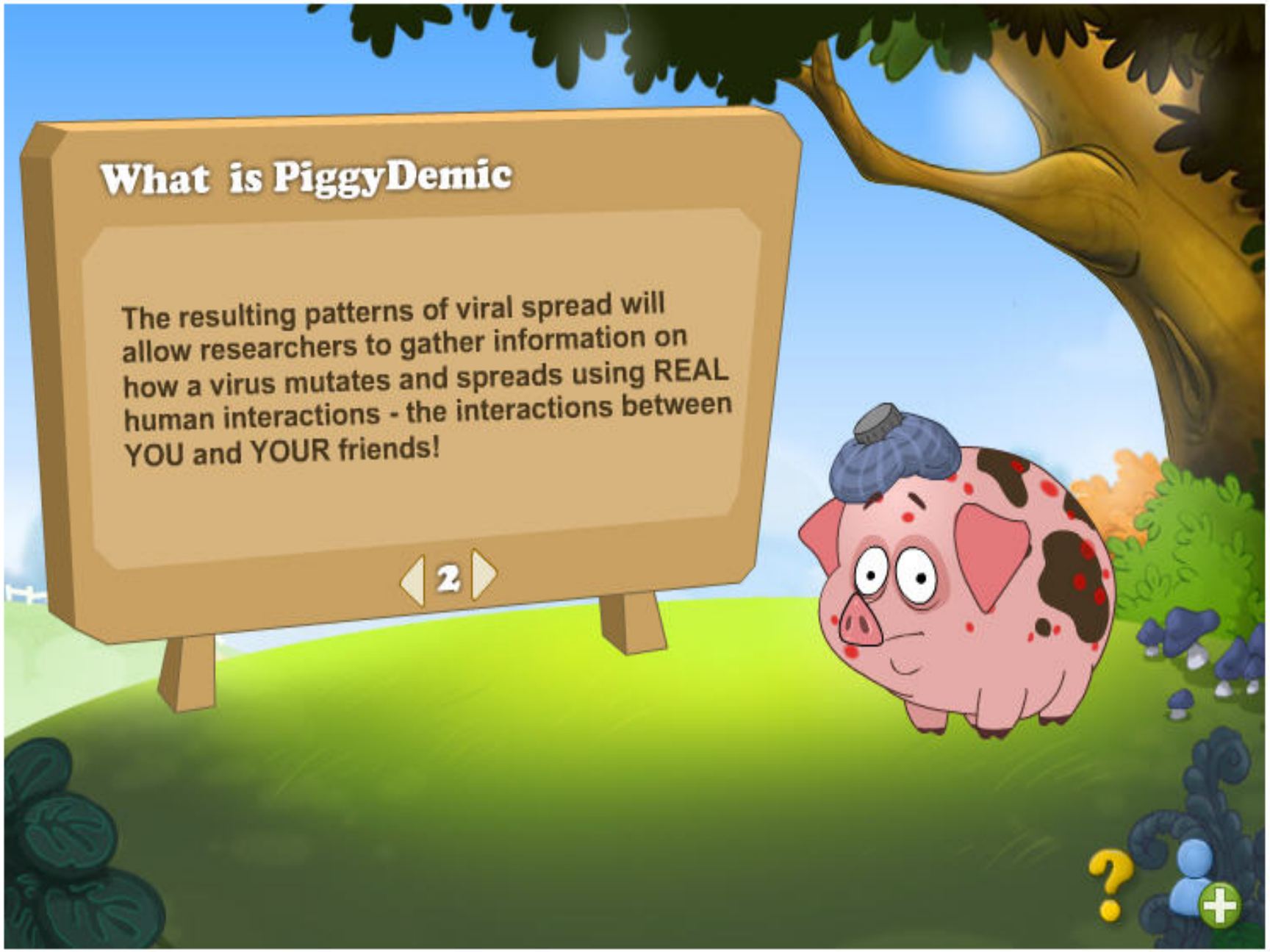

What is PiggyDemic
FROM SARS to swine flu, virus outbreaks can be unpredictable and deadly, spanning continents with little warning, and disappearing just as quickly. The PiggyDemic application (developed in Tel Aviv University) allows users to "infect" their friends with a simulated virus or become infected themselves.
1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What is PiggyDemic
The resulting patterns of viral spread will allow researchers to gather information on how a virus mutates and spreads using REAL human interactions - the interactions between YOU and YOUR friends!
2

Open Government Initiative

TRANSPARENCY ♦ PARTICIPATION ♦ COLLABORATION

OPEN GOV

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My Administration is committed to creating an unprecedented level of openness in Government. We will work together to ensure the public trust and establish a system of transparency, public participation, and collaboration. Openness will strengthen our democracy and promote efficiency and effectiveness in Government.

– PRESIDENT OBAMA, 01/21/09

LATEST BLOG POSTS

September 30, 2011 at 3:30 PM EDT

Recommitting Ourselves to Making Government More Effective

Last week, President Obama stood with other heads of state to endorse the principles of the Open Government Partnership and launch the U.S. Open Government National Action Plan.

September 22, 2011 at 10:13 AM EDT

Open Government Action Plan for Innovators

On Tuesday, President Obama joined 40 Heads of State on the sidelines of the UN General Assembly to unveil the U.S. National Action Plan on Open Government, an ambitious effort to promote

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Apps for Africa

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Departments & Agencies

UAV Forge

Crowdsourcing for UAV Innovation

From: U.S. Department of Defense
Category: Defense, Science & Technology
Partners: Naval Warfare Systems Center, Atlantic (SSC Atlantic)

The UAVForge Challenge combines a web-based collaboration site with a live competitive fly-off event to enable citizen scientists, creative minds and innovators everywhere to produce advanced small unmanned air vehicle (UAV) systems. UAVForge is a Defense Advanced Research Projects Agency (DARPA) and Space and Naval Warfare Systems Center, Atlantic (SSC Atlantic) initiative to leverage the exchange of ideas among an international community united through common interests inspired by creative thought.

Submissions
Ending in 3 months

$100,000
in prizes

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WATERHACKATHON

Tapping Innovation in Water and Sanitation

Challenging water experts and software developers from around the world to co-create the innovative solutions needed to help solve today's water problems.

Submit a problem, solve a problem, or join the hacking.

Tweet 174 Like 169

New WaterHackathon Locations Announced: Cairo, Lima, London, Tel Aviv and Washington D.C.

SEPTEMBER 19, 2011

Tweet

In addition to the three WaterHackathon locations announced last week in Bangalore, Kampala and Nairobi, five new locations have just opened up for registration.

Cairo, Lima, London and Washington D.C. will also be hosting sites for the global WaterHackathon on October 21st – 23rd, 2011 and a WaterHackathon will take place in Tel Aviv on October 23rd – 25th, 2011.

To search, type and hit enter

Join the International Space Apps Challenge!

open data + open source + open technology

In the 1960's the Apollo guidance computer that took humanity to the moon had a clock-speed of 2.048 megahertz, 4 kilobytes of memory, and weighed 32 kilograms (70 lbs). Since then, advances in technology have made images clearer, the information coming back from space richer, and the world smaller.

Today, many of us carry smartphones that have 512 megabytes of active memory, 32 gigabytes of storage, weigh less than 200 grams, and can form a real-time connection instantly to anywhere in the world. Our investments in space exploration have generated incredible amounts of data and resulted in the development of new technology that continues to improve life on Earth.

The challenge before us is to leverage data and new technology to create practical applications that benefit humanity.

Come make the future with us.

What is the International Space Apps Challenge?

Demonstrating its commitment to the Open Government Partnership, NASA will work with space agencies around the world to coordinate an International Space Apps Challenge to be held in 2012 that will encourage scientists and concerned citizens from all seven continents – and in space – to create, build, and invent new solutions in order to address challenges of global importance.

The International Space Apps Challenge is an innovative international collaboration that accelerates the development of solutions focused on making government better and addressing critical issues on our planet, including (but not limited to) weather impacts on the global economy and depletion of ocean resources. The unique challenges posed by

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OpenGov Partnership

Open Government Partnership

The **Open Government Partnership** is a global effort to make governments better. We all want more transparent, effective and accountable governments – with institutions that empower citizens and are responsive to their aspirations.

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Apps for Development

A competition brought to you by THE WORLD BANK

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The Challenge | Application Gallery | Discussions

We're challenging people to create innovative tools, applications, and mash-ups using the data available through the World Bank's Open Data Initiative.

VIEW THE WINNERS

Apps for Development winners have been announced.
Congratulations to all the developers and participants who took part in the competition!

Winners Gallery

First Prize

StatPlanet World Bank
by

SECOND PRIZE

Development Timelines
by

THIRD PRIZE

Yourtopia - Development beyond GDP
by

HONORABLE MENTIONS (10)

FACTCHA: Stop Spam, Advocate for the MDGs!
by

Economic Data Finder
by

MDG Chart Generator
by

Treepet
by

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Latest Discussion

roma gypsies in poverty world wide

Latest reply by Robbin David L., 5 months ago

Apps for the Environment

EPA is challenging you to get creative and find new ways to use and deliver EPA data in an app!

Detailed description
How to enter
Important dates
Judges
Judging criteria
Prizes

From: U.S. Environmental Protection Agency (US EPA)
Category: Energy & Environment, Health

Detailed description

EPA is challenging app developers to look at EPA data and come up with the best, most useful, innovative way to use, show, or combine publically available EPA data in an app. In short, we'd like you to take EPA data and show us what you can do.

Submissions
Ending in 3 months

9
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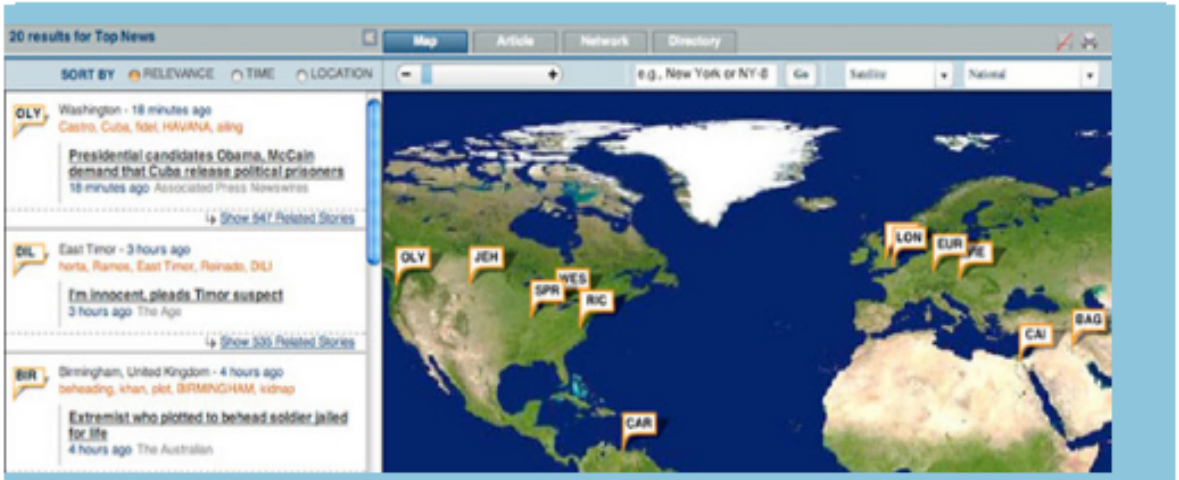
Improve students life

Nurturing students creativity

thecollaborationproject

an independent community powered by the **national academy of public administration**



Ask not what your country can do for you;

Ask what we can do together.

The Collaboration Project is an independent forum of leaders committed to leveraging the interactive web and the benefits of collaborative technology to solve government's complex problems. Powered by the National Academy of Public Administration, this "wikified" space is designed to share ideas, examples and insights on the adoption of Web 2.0 technologies in the field of public governance. [LEARN MORE]

Images courtesy of PIIM

National Academy of Public Administration

News

GSA's "Government By Collaboration" Newsletter now Available – This edition presents 22 trendsetting technology projects of nations, states, federal agencies, and municipalities and thought leaders who are working to ensure openness in Government. (PDF File)

Federal Agencies Create 23 Open Gov Sites – 23 Federal agencies have just created new open government websites to engage the public and discuss open government initiatives. Learn more and check them out today\!

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New Cases in Collaboration

Connect and Collaborate with NASA — Utilizing Web 2.0 media tools NASA created a website site to connect

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Homeland Security Secretary Janet Napolitano on the **National Dialogue**

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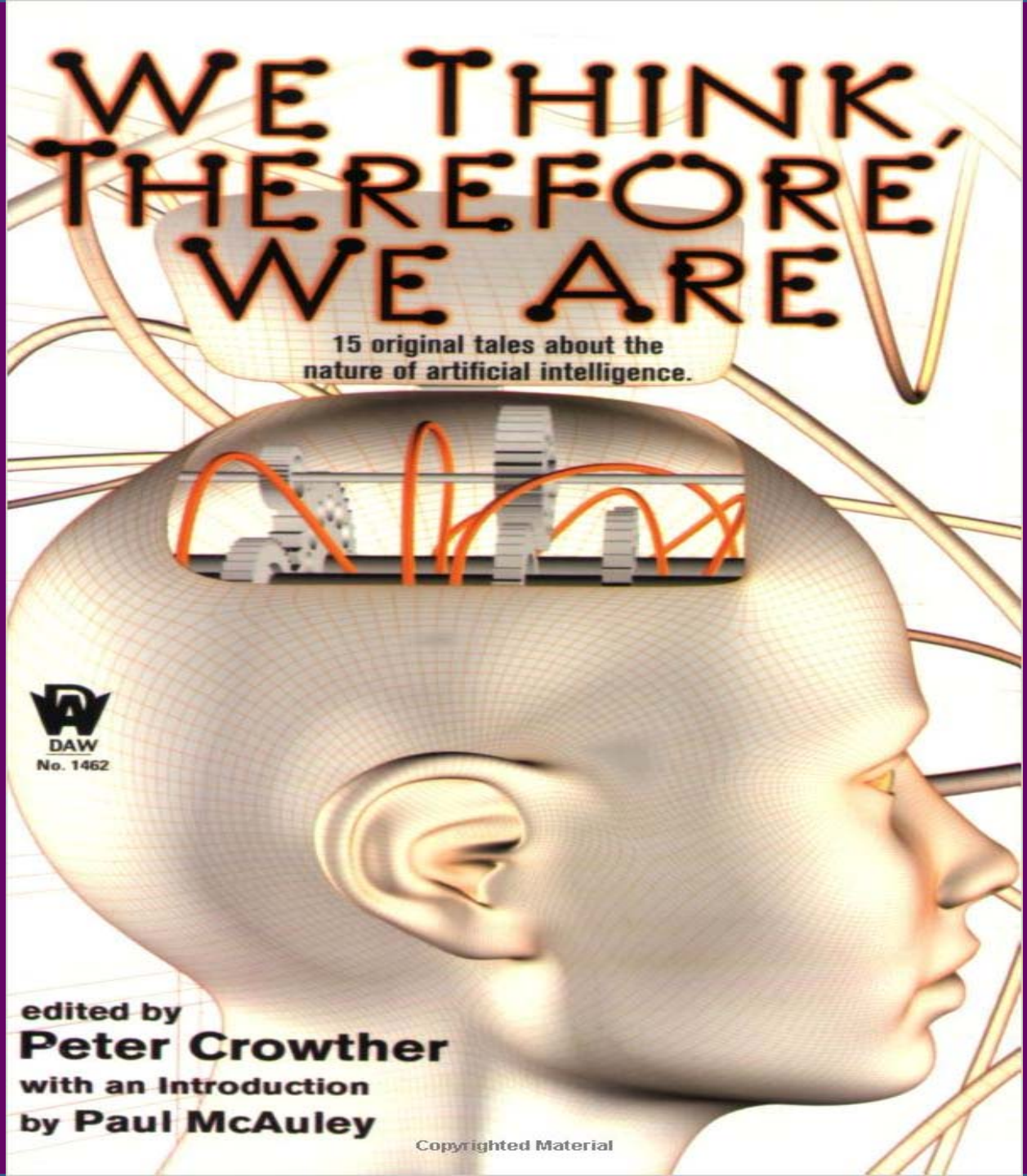
Je pense donc je suis

WE THINK, THEREFORE WE ARE

15 original tales about the nature of artificial intelligence.



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No. 1462

edited by
Peter Crowther
with an Introduction
by **Paul McAuley**

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Kickstarter: The Science of Crowdfunding

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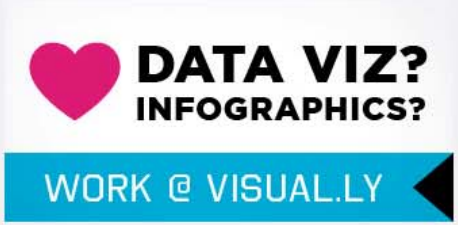
All you need to know about what Kickstarter is, how crowdfunding works and whether it works.

Tags

funding, crowdsourcing, money



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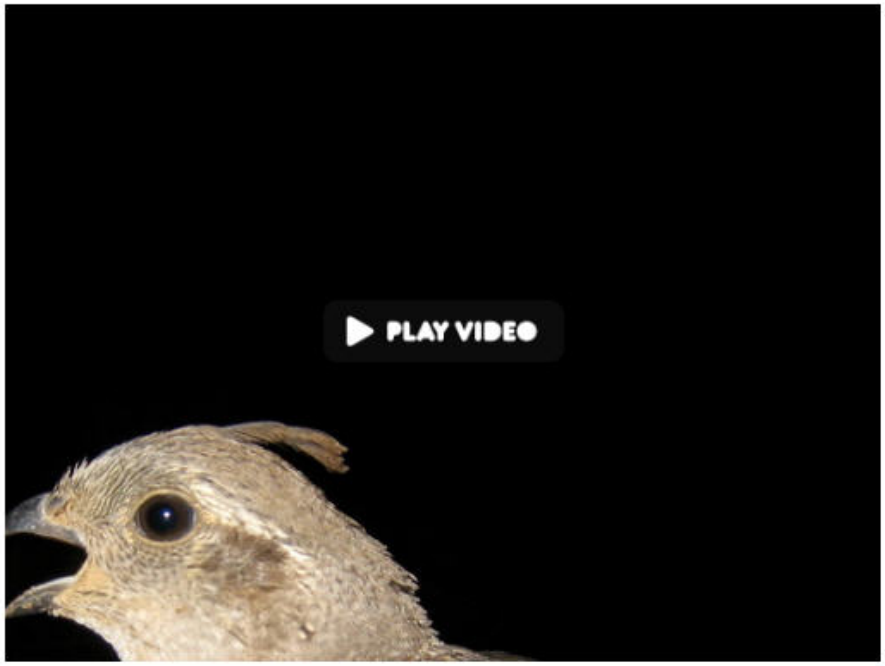
The Quail Diaries: In Search of the Elegant Quail

A Nonfiction project in El Fuerte, Mexico by jennifer calkins • send message



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PLEDGED OF $4,853 GOAL
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SECONDS TO GO

FUNDING SUCCESSFUL

This project successfully raised its funding goal on December 24, 2010.

ABOUT THIS PROJECT

Involve yourself in the discovery of the wonder of the living world! Help marry the world of science to the world of art!

Your support will allow us to share with you, through blog, photographic, video and audio posts, our adventures as we seek to discover the world of the Elegant Quail, *Callipepla douglasii*. Unlike its close relatives (congeners), the Elegant Quail's entry in the Encyclopedia of Life is almost blank (http://www.eol.org/pages/1047230). By contributing to this project you will support a study of this little

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PLEDGE $5 OR MORE

1 BACKER

Good wishes and a Quail Diairies postcard delivered to your door.

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2 BACKERS

Both of us had some hesitation, we were sort of afraid we'd lose some legitimacy in the eyes of other scientists. It's not a peer-reviewed process. I was just ready to do anything it took to do my research.

Dr. Gee speaking to the New York Times

The #SciFund Challenge

Welcome!

108 scientists have already signed up for the #SciFund Challenge. Will you?

What? The #SciFund Challenge is a grand experiment in science funding. Can scientists raise money for their research by convincing the general public to open their wallets for small-amount donations? In more and more fields – from music to dance to journalism – people are raising lots of money for projects in precisely this way. The process is called crowdfunding. You can think of it as the model charities have always used (bundling lots of donations to do good works), with an internet/social media twist. Can this model work for funding scientific research? Let's find out!

Who? Are you a scientist at any level (from beginning graduate student to emeritus professor) in any discipline? Are you interested in raising money for your research in a new way? Well, we want you to join the #SciFund Challenge!

When? From November 1-December 15, 2011, scientists participating in the #SciFund Challenge will each conduct their own crowdfunding campaigns for their own research. But even though each scientist will be fundraising for their own research, participants won't be on their own. Through the Challenge, participants will be connected together to increase the chances that everyone succeeds.

Where? The #SciFund Challenge will be run through RocketHub, a major crowdfunding platform on the Internet. RocketHub will help to promote #SciFund projects. The Challenge – this blog – is the facilitator to jumpstart scientists to get on board.

What's the cost? It doesn't cost anything to join the #SciFund Challenge. Any money you raise for your research will be entirely yours (minus RocketHub's percentage, which is about 8%).

I don't know anything about crowdfunding. Can I still participate? Yes! Through the #SciFund Challenge blog, we'll be providing direction on how to successfully run a crowdfunding campaign.

How do I learn more? Read the blog!

How long do I have to decide? The sign-up period for the #SciFund Challenge will close on **October 1**.

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Inspiring Innovation

NSF awards UMBC $1.8M for Global Collaboration Engine for Land Change Science

posted Monday, October 3rd, 2011

Like 3 Tweet 4

A group of UMBC faculty members was recently awarded a 4-year, National Science Foundation (NSF) grant totaling $1.8 million to pursue work with **"Global Collaboration Engine"** (GLOBE), a "globally relevant search engine.""Our objective is to change the way land change scientists do business," explains **Dr. Erle Ellis**, associate professor of

Recent Posts

- NSF awards UMBC $1.8M for Global Collaboration Engine for Land Change Science
- Undergraduate Researcher Profile: Alexander Morrow
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- HILITE: UMBC #1 up and coming
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Laboratory for Anthropogenic Landscape Ecology

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GLOBE Project

ABOUT | PEOPLE | PROJECTS | PRODUCTS | ANTHROMES | AEM SYSTEM

Project

Global Collaboration Engine (GLOBE)

Evolving New Global Workflows for Land Change Science

GLOBE aims to transform land change science by creating new global scientific workflows that integrate local-, regional- and global-scale researchers, expertise and data based their global relevance using an online collaboration environment leveraging social-computational algorithms and real-time quantitative global and statistical visualization.

Why do we need GLOBE?

People working on GLOBE.

GLOBE couples local and global data and expertise to enable new scientific workflows that accelerate global collaboration, data integration and synthesis for global change research.

It's sort of like facebook.

Dr Tim Oates

I was really impressed with the depth and breadth of the computing expertise at UMBC.

Dr Erle Ellis

The polymath blog

July 19, 2011

Minipolymath3 project: 2011 IMO

Filed under: research — Terence Tao @ 8:00 pm

This post marks the official opening of the mini-polymath3 project to solve a problem from the 2011 IMO. I have decided to use Q2, in part to see how the polymath format would cope with a more geometrically themed problem.

> **Problem 2.** Let S be a finite set of at least two points in the plane. Assume that no three points of S are collinear. A *windmill* is a process that starts with a line ℓ going through a single point $P \in S$. The line rotates clockwise about the pivot P until the first time that the line meets some other point Q belonging to S. This point Q takes over as the new pivot, and the line now rotates clockwise about Q, until it next meets a point of S. This process continues indefinitely.
> Show that we can choose a point P in S and a line ℓ going through P such that the resulting windmill uses each point of S as a pivot infinitely many times.

The comments to this post shall serve as the research thread for the project, in which participants are encouraged to post their thoughts and comments on the problem, even if (or especially if) they are only partially conclusive. Participants are also encouraged to visit the discussion thread for this project, and also to visit and work on the wiki page to organise the progress made so far.
This project will follow the general polymath rules. In particular:

1. **All are welcome.** Everyone (regardless of mathematical level) is welcome to participate. Even very simple or "obvious" comments, or comments that help clarify a previous observation, can be valuable.
2. **No spoilers!** It is inevitable that solutions to this problem will become available on the internet very shortly. If you are intending to participate in this project, I ask that you refrain from looking up these solutions, and that those of you have already seen a solution to the problem refrain from giving out spoilers, until at least one solution has already been obtained organically from the project.
3. **Not a race.** This is **not** intended to be a race between individuals; the purpose of the polymath experiment is to solve problems *collaboratively* rather than individually, by proceeding via a multitude of small observations and steps shared between all participants. If you find yourself tempted to work out the entire problem by yourself in isolation, I would request that you refrain from revealing any solutions you obtain in this manner until *after* the main project has reached at least one solution on its own.
4. **Update the wiki.** Once the number of comments here becomes too large to easily digest at once, participants are encouraged to work on the wiki page to summarise the progress made so far, to help others get up to speed on the status of the project.
5. **Metacomments go in the discussion thread.** Any non-research discussions regarding the project (e.g. organisational suggestions, or commentary on the current progress) should be made at the discussion thread.
6. **Be polite and constructive, and make your comments as easy to understand as possible.** Bear in mind that the mathematical

Recent Comments

Anonymous on How to use LaTeX in comme...

Anonymous on How to use LaTeX in comme...

Richard McCart on Minipolymath3 project: 2011... using LaTeX in Wordp... on How to use LaTeX in comme...

The Janitor on Minipolymath3 project: 2011...

Anonymous on How to use LaTeX in comme...

Anonymous on How to use LaTeX in comme...

aravi on

Follow

Welcome to Galaxy Zoo, where you can help astronomers explore the Universe

Galaxy Zoo: Hubble uses gorgeous imagery of hundreds of thousands of galaxies drawn from NASA's Hubble Space Telescope archive. To understand how these galaxies, and our own, formed we need your help to classify them according to their shapes — a task at which your brain is better than even the most advanced computer. If you're quick, you may even be the first person in history to see each of the galaxies you're asked to classify.

More than 250,000 people have taken part in Galaxy Zoo so far, producing a wealth of valuable data and sending telescopes on Earth and in space chasing after their discoveries. The images used in Galaxy Zoo: Hubble are more detailed and beautiful than ever, and will allow us to look deeper into the Universe than ever before. To begin exploring, click the 'How To Take Part' link above, or read The Story So Far to find out what Galaxy Zoo has achieved to date.

Thanks for your help, and happy classifying.

Classifier Log In

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Explore galaxies

Enter a search term Search

Latest News

Voorwerpje paper submitted

by Chris - Jul 25, 2011

Bill has written an excellent post about the Voorwerpje, or small Voorwerp, hunt over on the main Zooniverse blog. You should ...

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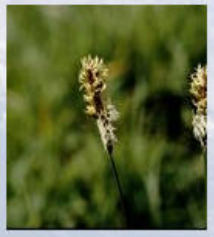

Currently in the Encyclopedia of Life

753,289 Pages — How can I use EOL?

50,394 Members like you — How can I join?

802 Collections — How can I create one?

Community Activity

Cyndy Parr commented on EOL Discussion Group: Wolfgang, thanks for sharing your ideas -- I agree with Katja that if I understand them correctly they only work if the sources of our information follow the protocols you outline. Certainly we are open other suggestions for how we can better manage the information we are given by our partners. This will help us as we consult with our programmers about how to improve or to empower curators to help us improve.

8 MINUTES AGO

Paddy Patterson commented on Homonyms on

Home

TCGA Data Portal Overview

We provide 3 ways to download data: The Cancer Genome Atlas (TCGA) Data Portal provides a platform for researchers to search, download, and analyze data sets generated by TCGA. It contains clinical information, genomic characterization data, and high-throughput sequencing analysis of the tumor genomes.

Query the Data ▸

Search summarized data for genes, patients and pathways

Download Data ▸

Choose from three ways to download data

Available Cancer Types	# Patients with Samples	# Downloadable Tumor Samples	Date Last Updated (mm/dd/yy)
Acute Myeloid Leukemia [LAML]	202	200	09/07/11
Bladder Urothelial Carcinoma [BLCA]	47	38	09/30/11
Brain Lower Grade Glioma [LGG]	80	58	09/20/11
Breast invasive carcinoma [BRCA]	827	537	09/30/11
Cervical Squamous Cell Carcinoma [CESC]	50	37	09/30/11
Colon adenocarcinoma [COAD]	423	391	09/30/11
Glioblastoma multiforme [GBM]	598	545	09/28/11
Head and Neck squamous cell carcinoma [HNSC]	170	130	09/19/11

Announcements

09/26/2011 - Update: NCBI Sequencing Archive

TCGA has arranged with NCBI to temporarily extend maintenance of the TCGA data in the Sequence Read Archive. Users may continue to download TCGA data from NCBI until November 27, 2011. All requests for data retrieval must be submitted by November 27, 2011, and all data downloads must be completed by November 30, 2011. After November 30, NCBI will no longer host sequencing data from TCGA in the Sequence Read Archive. Users can sign up for updates for future TCGA data releases and other TCGA-related information here. For immediate issues, email TCGA@mai.nih.gov.

08/15/2011 - TCGA Scientific Symposium

Join TCGA as it holds it first annual TCGA Scientific Symposium November 17-18, 2011 in Washington D.C. For more information, visit TCGASymposium.

See all announcements

More TCGA Information

More information about The Cancer Genome Atlas program can be found on the main TCGA Web site:

TCGA website

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Science News

Ecologists Use Power of Network Science to Challenge Long-Held Theory

ScienceDaily (Sep. 23, 2011) — For decades, ecologists have toiled to nail down principles explaining why some habitats have many more plant and animal species than others.

See Also:

Plants & Animals
- Nature
- Ecology Research
- Biology

Earth & Climate
- Ecology
- Environmental Policy
- Exotic Species

Reference
- Ecological niche
- Ecological succession
- Vegetation
- Ecology

Much of this debate is focused on the idea that the number of species is determined by the productivity of the habitat.

Shouldn't a patch of prairie contain a different number of species than an arid steppe or an alpine tundra?

Maybe not, says an international team of scientists that pooled its resources to re-evaluate the relationship between species numbers and habitat productivity.

The innovative, standardized global sampling of 48 sites on five continents yielded an unprecedented data set.

"Our study shows no clear relationship between productivity and the number of plant species in small study plots," says Utah State University plant ecologist Peter Adler.

Scientists say Adler's and his colleagues' findings represent a significant advance in ecological thought. The findings appear in the journal *Science*.

"We challenged a prevailing model developed in the early

Billy Buttons in bloom at Falls Creek, Bogong Joslin Moore High Plains, Australia. (Credit: Joslin Moore)

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Nutrient Network: A Global Research Cooperative

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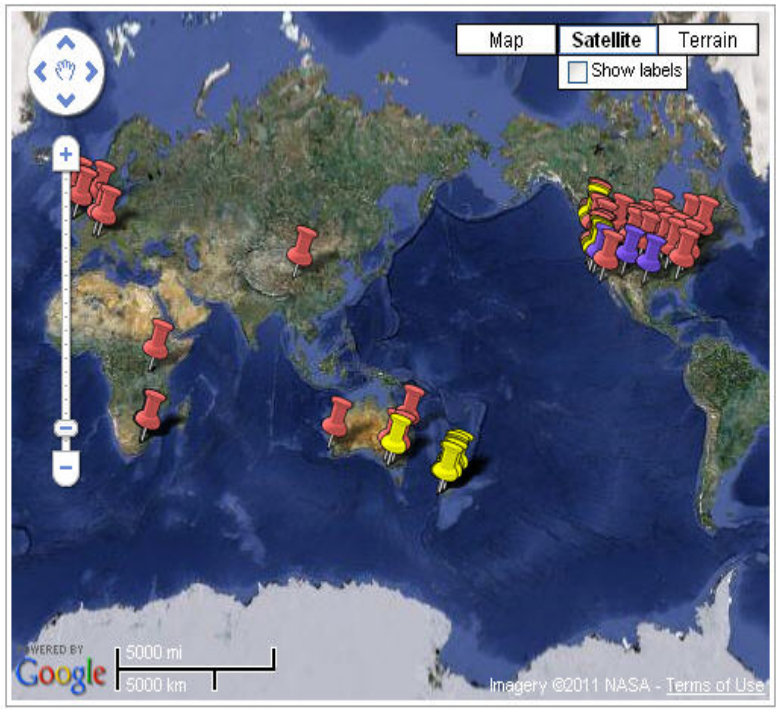
NutNet Home

Welcome to the Nutrient Network!

NutNet sites



Gadgets powered by Google

Two of the most pervasive human impacts on ecosystems are alteration of global nutrient budgets and changes in the abundance and identity of consumers. Fossil fuel combustion and agricultural fertilization have doubled and quintupled, respectively, global pools of nitrogen and phosphorus relative to pre-industrial levels. Concurrently, habitat loss and degradation and selective hunting and fishing disproportionately remove consumers from food webs. At the same time, humans are adding consumers to food webs for endpoints such as conservation, recreation, and agriculture, as well as accidental introductions of invasive consumer species. In spite of the global impacts of these human

Latest Publications

Adlet et al. 2011 **Science** vol. 333 no. 6050 pp. 1750-1753

Productivity Is a Poor Predictor of Plant Species Richness

See all of the NutNet Publications to date.

NutNet News

NutNet research published in *Science*! See Adler et al. 2011

The NutNet 2011 Workshop was a great success! Click for the recap.

Welcome the newest NutNet site: Koffler Scientific Reserve in Toronto, ON

Join Today!

Want to become involved? Your research site can become involved in the Observational and/or Experimenal aspects of the NutNet. Contact us!

Yellow-winged Darter
Courtesy of Andr Karwath, via Wikipedia Commons

More Science

The Dragonfly Swarm Project

Dragonfly researchers know that dragonflies swarm. They also know that there are two different kinds of swarms: static feeding swarms (the dragonflies fly repeatedly over a well-defined area and fairly close to the ground, usually feeding on clouds of small insects) and migratory swarms (hundreds to millions of dragonflies flying in a single direction in massive groups, often 15-30 meters above the ground). However, these swarms are very difficult to study because they are incredibly ephemeral events. You have to be in the right place at the right time to see one and many people will go their entire lives without ever witnessing a swarm.

The Dragonfly Swarm Project uses the power of the internet to allow everyone to participate in a large-scale study of dragonfly swarming behavior. Participants observe dragonfly swarms wherever they occur, make observations of the composition and behavior of the swarm, then submit a report online. Data is

What is Citizen Science?

Research often involves teams of scientists collaborating across continents. Now, using the power of the Internet, non-specialists are participating, too. Citizen Science falls into many categories. A pioneering project was SETI@Home, which has harnessed the idle computing time of millions of participants in the search for extraterrestrial life. Citizen scientists also act as volunteer classifiers of heavenly objects, such as in Galaxy Zoo. They make observations of the natural world, as in The Great Sunflower Project. And they even solve puzzles to design proteins, such as FoldIt. We'll add projects regularly—and please tell us about others you like as well.

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SPECIAL ISSUE

Better greener smarter

THE DRAGONFLY SWARM PROJECT

What is normally an ephemeral event that any one person might be lucky to see once in their lifetime becomes downright common when you have several hundred people sharing information together.

Christine Goforth, PhD Student,
Smith Lab, Ph.D. in Entomology Program, Arizona

jellywatch

- Home
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- More Info
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- List Sightings
- Science of Blooms

Username: *

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- Create new account
- Request new password

Ocean Beach

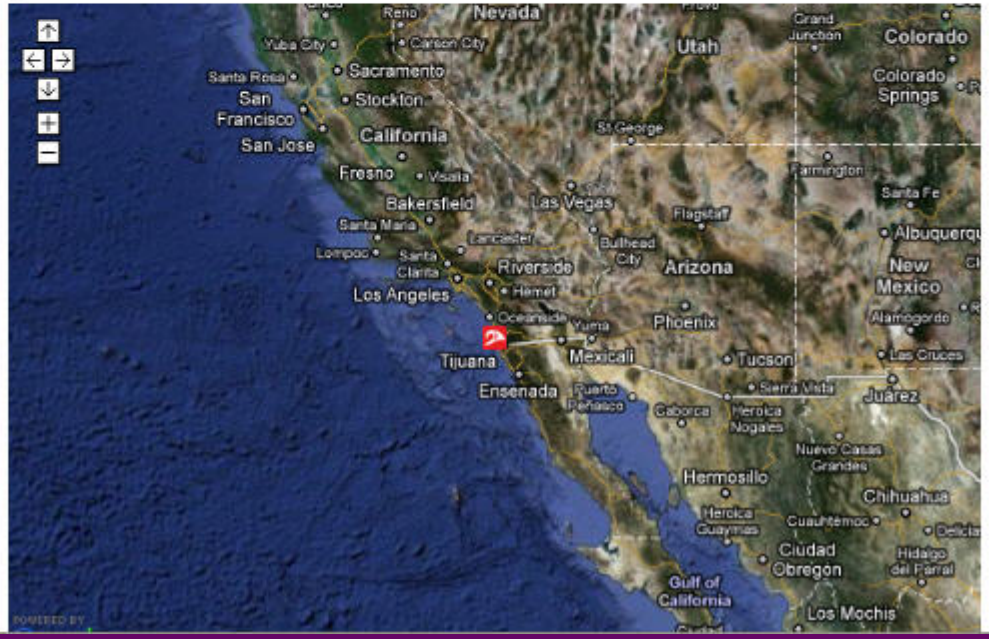
Submitted by Jellywatcher on Mon, 10/03/2011 - 00:01

Date of Sighting: 10/02/2011

Description: The color of the tide was neon green and blue. Very cool.

Organism: Red Tide

Quantity: 1



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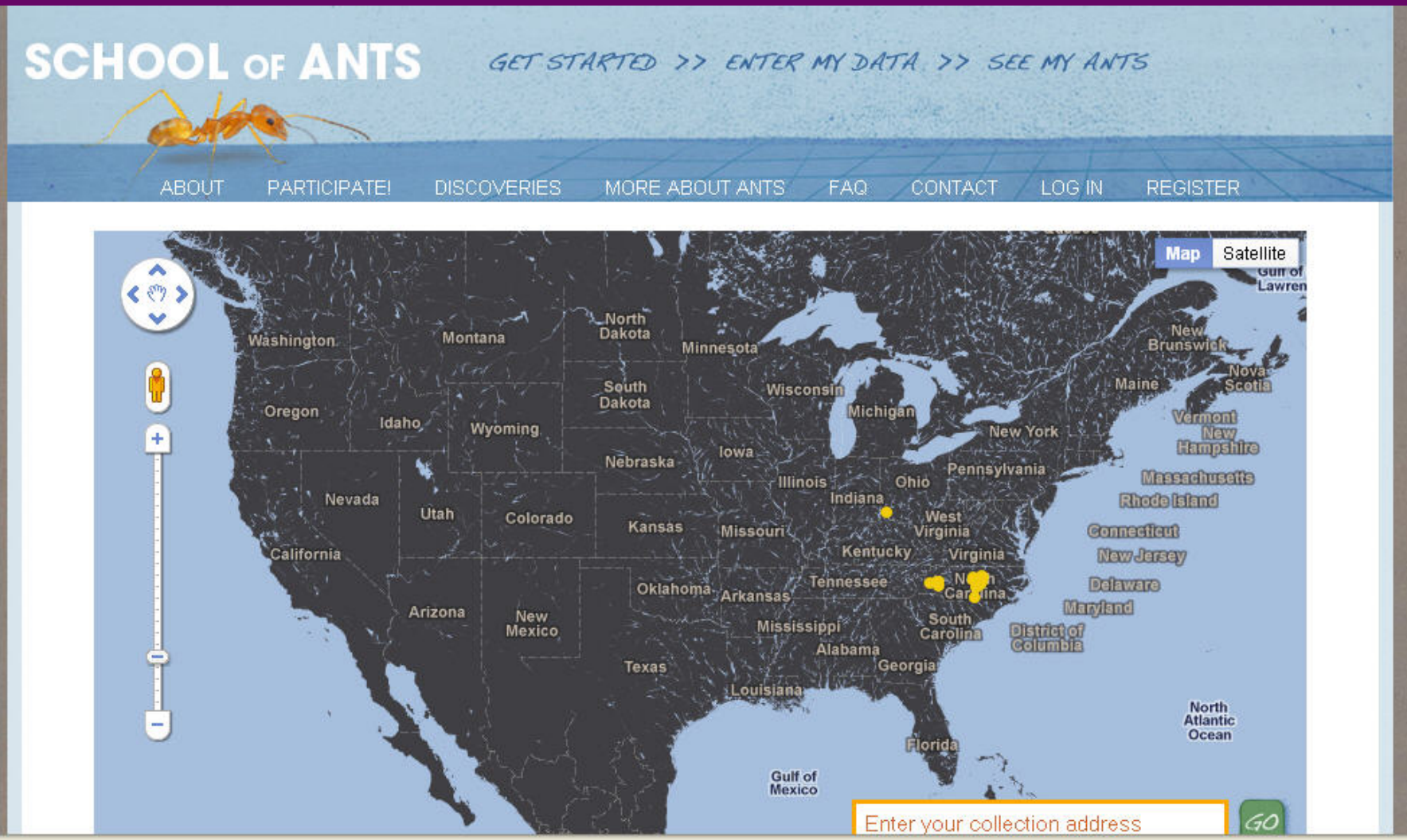
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Minnesota
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Oregon
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Indiana
Ohio
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New York
Maine
New Brunswick
Nova Scotia
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Shown below are search results using a Boolean search method, allowing you to combine search terms using operators like AND and OR when searching. This search runs across the full text of the application in order to enable connection with the DIRECT network search methods. For more information on the DIRECT network, please visit: http://direct2experts.org.

666 Experts found

	Publications	Grants
Thomas Edward Rohan	278	3
Russell Portenoy	269	0
Robert David Burk	300	8
Louis B. Harrison	159	0
Steven K. Libutti	209	1
Joseph A. Sparano	145	2
Leonard H. Augenlicht	153	35
Gary Lawrence Goldberg	138	0
Warren E. Enker	113	1
Sridhar Mani	119	2
Roman Perez-Soler	158	10
Howard D. Strickler	105	6
Mia M. Gaudet	55	0
Winfried Edelmann	114	3
Jan Vijg	208	11

Your search

cancer

Thomas Edward Rohan

Epidemiology & Population Health

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Thomas Edward Rohan

Office phone
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- Case Control Studies
- Proportional Hazards Models
- Postmenopause
- Prospective Studies
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- Diet
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Trends

Publications

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1. 2011 Genkinger, JM; Spiegelman, D; Anderson, KE; Bernstein, L; van den Brandt, PA; Calle, EE; English, DR; Folsom, AR; Freudenheim, JL; Fuchs, CS; Giles, GG; Giovannucci, E; Horn-Ross, PL; Larsson, SC; Leitzmann, M; Männistö, S; Marshall, JR; Miller, AB; Patel, AV; Rohan, TE; Stolzenberg-Solomon, RZ; Verhage, BA; Virtamo, J; Willcox, BJ; Wolk, A; Ziegler, RG; Smith-Warner, SA
A pooled analysis of 14 cohort studies of anthropometric factors and pancreatic cancer risk.
International journal of cancer. Journal international du cancer 2011;129(7):1708-17.

2. 2011 Kabat, GC; Kim, MY; Woods, NF; Habel, LA; Messina, CR; Wactawski-Wende, J; Stefanick, ML; Chlebowski, RT; Wassertheil-Smoller, S; Rohan, TE

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Robert David Burk	300	
Howard D. Strickle...	105	
Sylvia Wassertheil...	143	
Gloria Yuen Fun Ho	59	
Kathryn Anastos	167	

Journals

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	Publications
International journa...	34
Cancer epidemiology,...	26
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Journal of the Natio...	21
American journal of ...	17

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Profile

All of the publications and grants associated with this researcher have been analyzed to create one fingerprint that represents the collective expertise and experience of the researcher. Blue lines signify expertise demonstrated within publications and red lines indicate expertise demonstrated within grants - with the length indicating the prevalence or significance of each term for the researcher.

Based on: Publication profile Grant profile

Combined Profile | Publications | Grants

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- Breast Neoplasms
- Breast Diseases
- Papillomavirus Infections
- Tumor Virus Infections
- Body Mass Index
- Uterine Cervical Neoplasms
- Colorectal Neoplasms
- Neoplasms

- Cyclin D1
- Fatty Acids, Omega-3
- Ethanol
- Viral Vaccines
- Methionine
- Glucose

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- Time Factors
- Registries
- Confounding Factors (Epidemi...
- Reproducibility of Results
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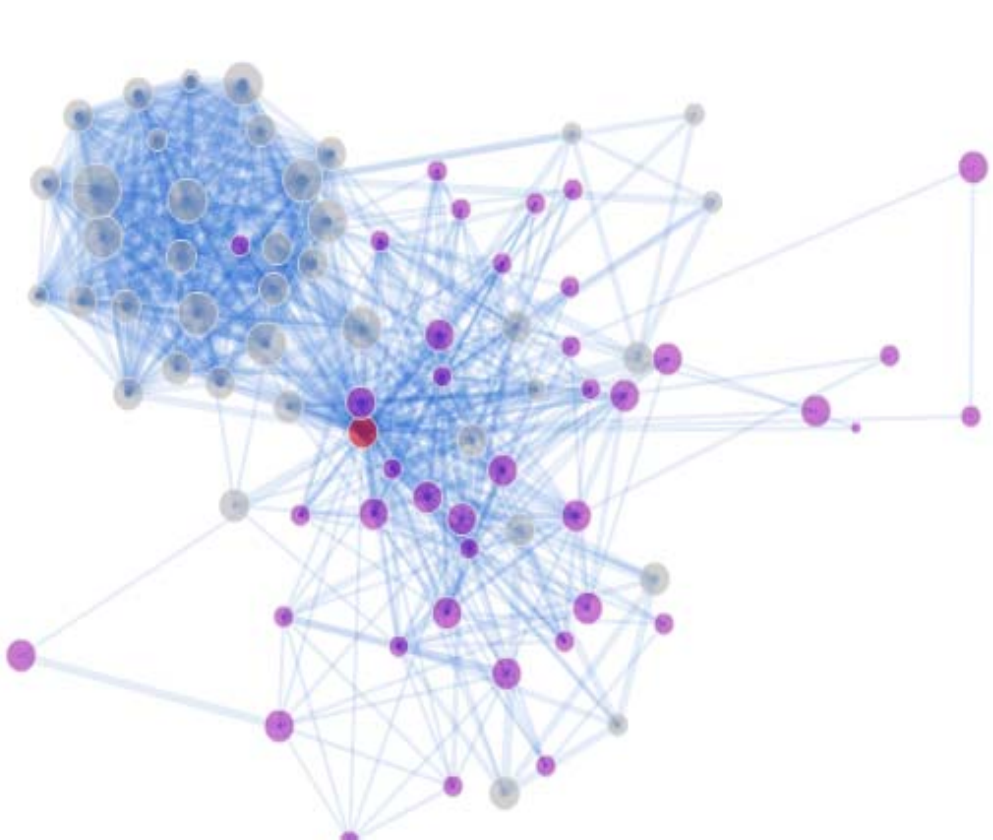
BiomedExperts Profile

Research Network

Profiled researcher | Internal collaborator | External collaborator

The visualization below creates a map of the connections between this researcher and their collaborators. The circles represent individual researchers and the lines connecting them represent papers that they have published together. The size of each indicates the number of publications; a larger line = more collaborations; a larger circle = more publications. The visualization continues to move because it is a force-directed algorithm, constantly reshaping the visualization to find the best view. You may pause the movement by clicking anywhere in the box.



Pascal J Goldschmidt-Clermont

SCHOOL OF MEDICINE, OFFICE OF THE DEAN, MEDICAL

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- Profilins
- Platelet Glycoprotein GPIIb-...
- Coronary Artery Disease
- Vitamin D-Binding Protein
- Aorta
- Reactive Oxygen Species
- Endothelium, Vascular
- Microfilament Proteins

Trends

Research Network

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1. 2011 Minear, MA; Crosslin, DR; Sutton, BS; Connelly, JJ; Nelson, SC; Gadson-Watson, S; Wang, T; Seo, D; Vance, JM; Sketch, MH; Haynes, C; Goldschmidt-Clermont, PJ; Shah, SH; Kraus, WE; Hauser, ER; Gregory, SG
Polymorphic variants in tenascin-C (TNC) are associated with atherosclerosis and coronary artery disease.
Human genetics 2011;129(6):641-54.

2. 2011 Skartsis, N; Manning, E; Wei, Y; Velazquez, OC; Liu, ZJ; Goldschmidt-Clermont, PJ; Salman, LH; Asif, A; Vazquez-Padron, RI
Origin of neointimal cells in arteriovenous fistulae: bone marrow, artery, or the vein itself?
Seminars in dialysis 2011;24(2):242-8.

3. 2011 Cesar, L; Suarez, SV; Adi, J; Adi, N; Vazquez-Padron, R; Yu, H; Ma, Q; Goldschmidt-Clermont, PJ; Agatston, A; Kurlansky, P;

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Chunming Dong	36	
William Walter O'N...	407	
Margaret A. Perica...	450	
Jeffery M Vance	193	
Ivonne H. Schulman	212	

Journals

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Circulation	14
Circulation research	11
American heart journ...	10
Journal of the Ameri...	9
Biochemical and biop...	6

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162 Experts found

Internal | National Network

	Publications	Grants
Pascal J Goldschmidt-Clermont OFFICE OF THE DEAN, MEDICAL	202	3
James D. Potter MOLECULAR AND CELLULAR PHARMACOLOGY	149	11
Danuta Szczesna-Cordary MOLECULAR AND CELLULAR PHARMACOLOGY	51	1
Jochen Reiser MEDICINE	57	2
W Glenn L. Kerrick PHYSIOLOGY & BIOPHYSICS	71	3
Christian Herbert Faul MEDICINE	15	0
Sandra Lemmon MOLECULAR AND CELLULAR PHARMACOLOGY	45	2
Keith A Webster MOLECULAR AND CELLULAR PHARMACOLOGY	87	6
Nanette Hahr Bishopric MEDICINE	75	4
Pedro J. Salas CELL BIOLOGY & ANATOMY	48	6
Fulvia Verde	25	0

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Familial Hypertrophic Cardiomyopathy add

Chemicals & Drugs

Microfilament Proteins add
Tropomyosin add
Profilins add
Myosins add
Vitamin D-Binding Protein add
Troponin add
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Contractile Proteins add
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The drug praziquantel (PZQ) is used in the treatment of a serious parasitic infection, schistosomiasis (also known as bilharziasis) that affects the lives of hundreds of millions of people worldwide; the disease has been referred to as a 'silent pandemic'2. Praziquantel is highly effective, and is manufactured and distributed

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Arthur Pitchenik MEDICINE	60	1
Michele I Morris MEDICINE	22	0
Jochen Reiser MEDICINE	57	2
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Praziquantel	○	○	◉	○	remove
Schistosomiasis	○	○	◉	○	remove
Pandemics	○	◉	○	○	remove
Pharmaceutical Preparations	○	◉	○	○	remove
Schools	◉	○	○	○	remove
Residence Characteristics	○	◉	○	○	remove
Drug Therapy	○	◉	○	○	remove
Infection	◉	○	○	○	remove

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The drug praziquantel (PZQ) is used in the treatment of a serious parasitic infection, schistosomiasis (also known as bilharziasis) that affects the lives of hundreds of millions of people worldwide; the disease has been referred to as a 'silent pandemic'2. Praziquantel is highly effective, and is manufactured and distributed

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Rafael E Campo MEDICINE	27	1
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Yossef Itzhak PSYCHIATRY & BEHAVIORAL SCIENCES	107	7
Gregory Victor Plano MICROBIOLOGY & IMMUNOLOGY	46	5
Daniel A Santisteban SCHOOL OF NURSING AND HEALTH STUDIES	14	5
Weiyong Gu	31	3

Experts based on...

Grants

Fingerprint

	Rating weight: Low	Mid	High	Required	
Praziquantel	○	○	◉	○	remove
Schistosomiasis	○	○	◉	○	remove
Pandemics	○	◉	○	○	remove
Pharmaceutical Preparations	○	◉	○	○	remove
Schools	◉	○	○	○	remove
Residence Characteristics	○	◉	○	○	remove
Drug Therapy	○	◉	○	○	remove
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Miller, Anthony B	83/376
Smith-Warner, Stephanie A	28/49
Wolk, Alicja	27/313
Freudenheim, Jo L	27/193
Kabat, Geoffrey	26/95
Hunter, David J	25/365
Spiegelman, Donna	25/260
Howe, Geoffrey R	24/91
Goldbohm, R Alexandra	22/188
Willett, Walter C	22/1043

Publications

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1. Kabat, GC; Kim, MY; Woods, NF; Habel, LA; Messina, CR; Wactawski-Wende, J;
2011 Stefanick, ML; Chlebowski, RT; Wassertheil-Smoller, S; Rohan, TE
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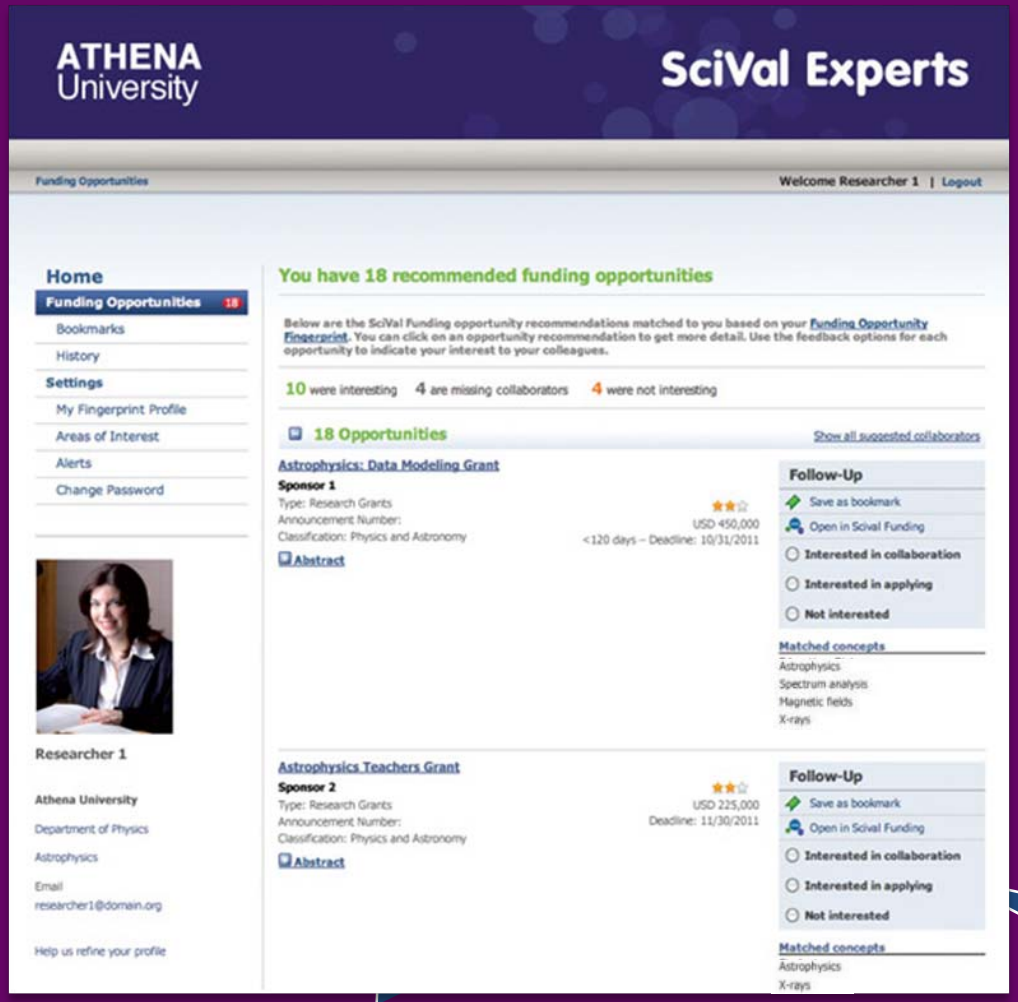
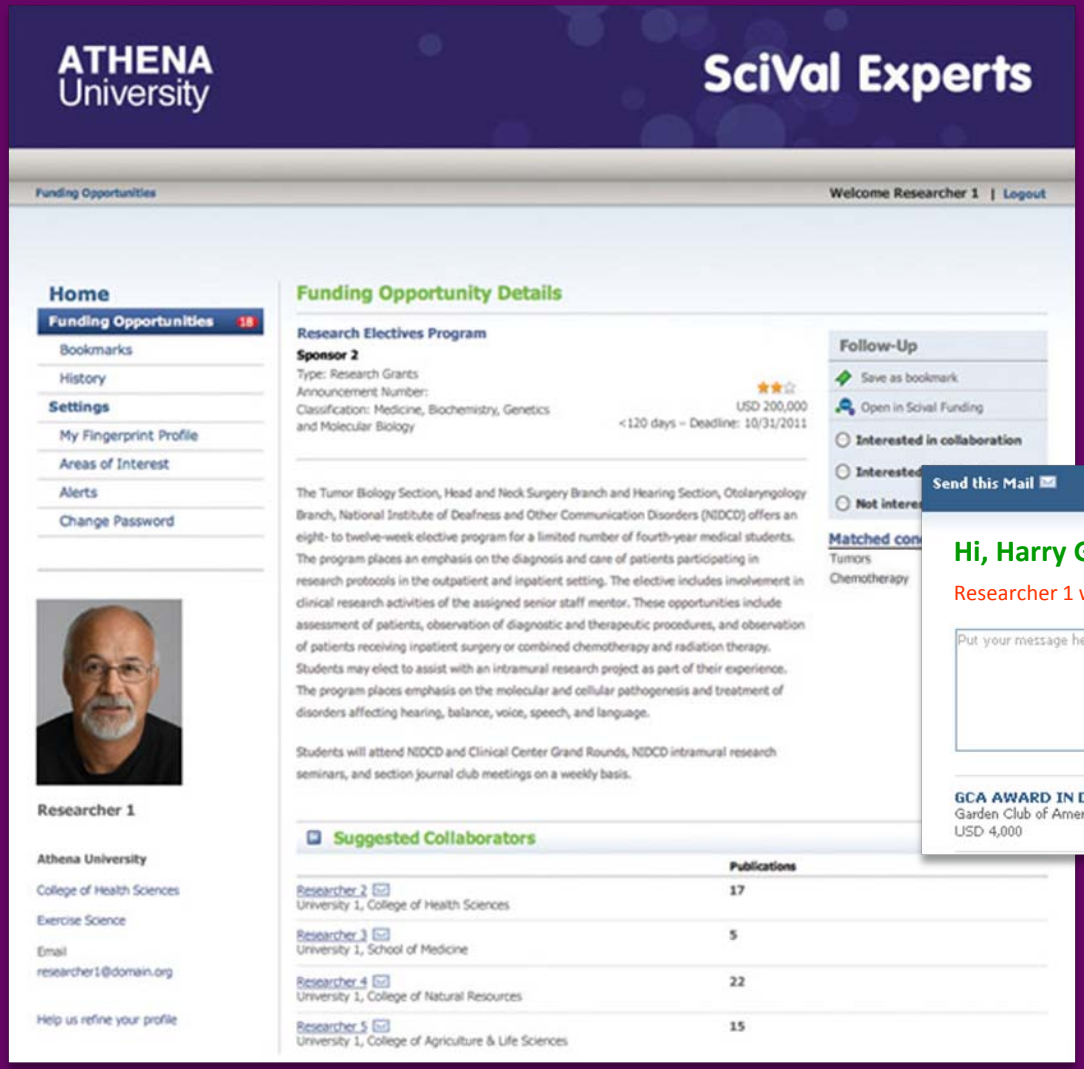
Connecting to Funding opportunities



Get the right funding recommendations and receive email alerts to prevent any missed chances for award success.

Connecting to Collaborators



Receive suggestions for collaborators with whom to pursue the grants and form new partnerships by emailing other researchers from within the tool.

NONE OF US
IS AS SMART
AS ALL OF US

SCIENCE
ART
PC
FASTER
DNA
20TH
NOW!
FASTER
01
20
NOW!

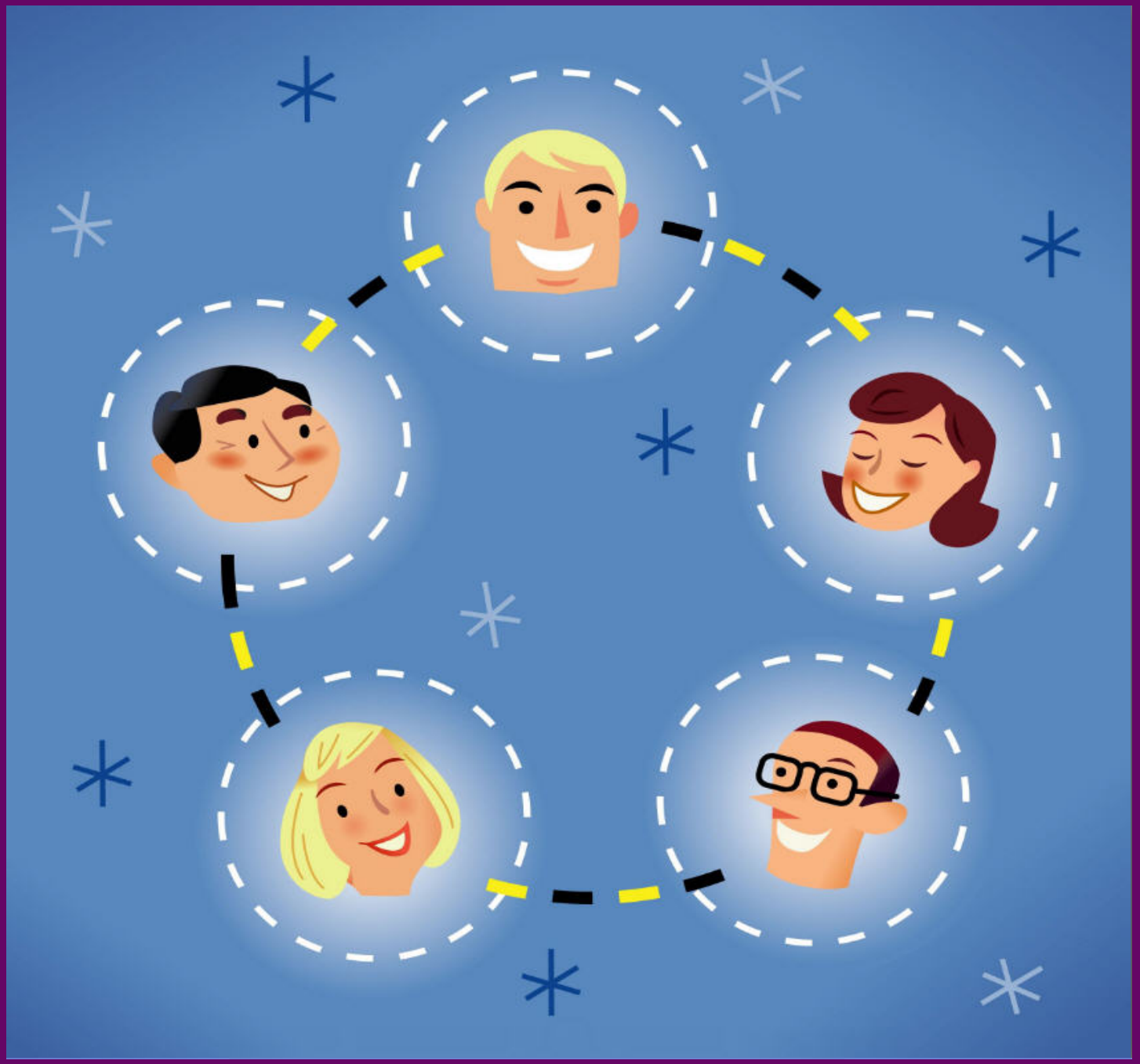
THE WORLD IS CHANGING
WE MUST CHANGE TOO

Values

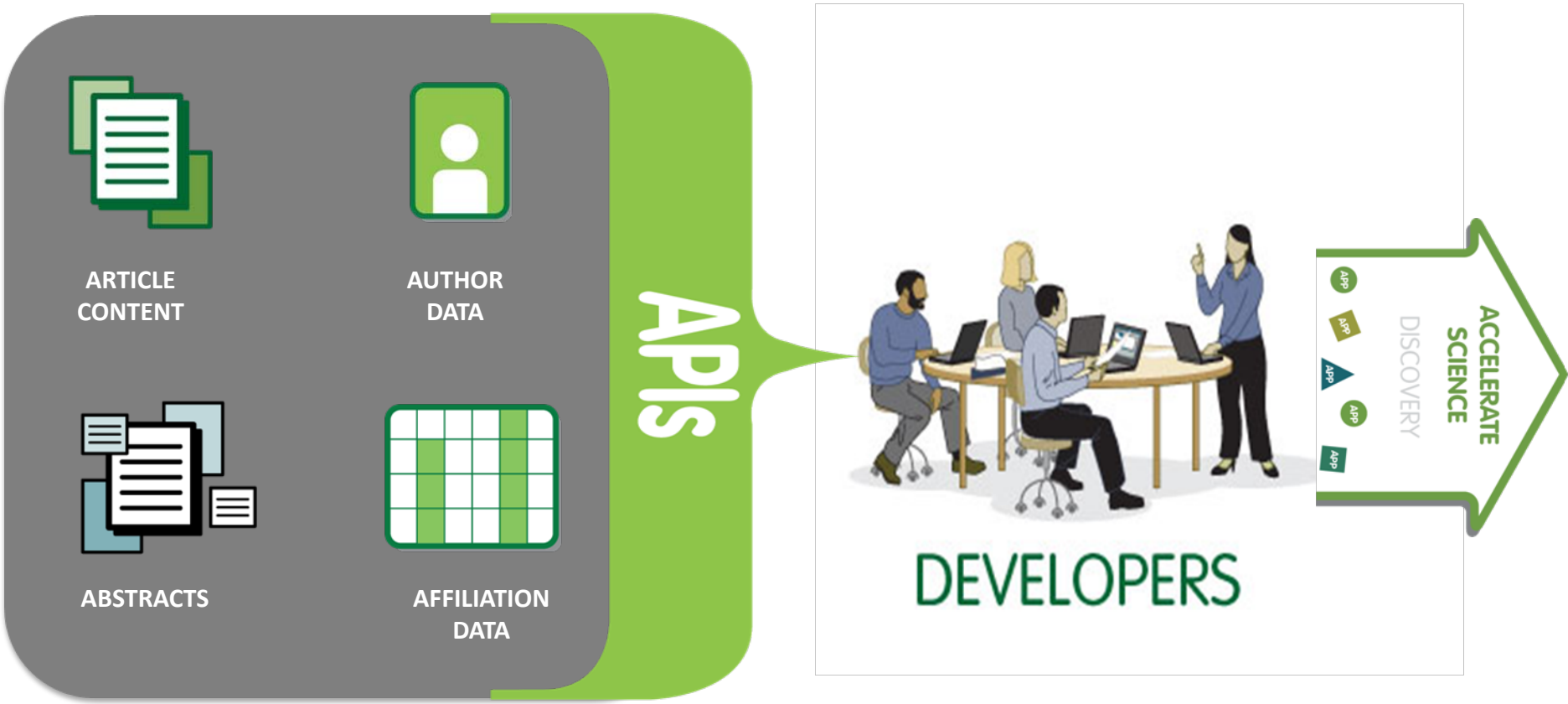
In a free enterprise, the community is not just a stakeholder in business, but is in fact the very purpose of its existence.

Jamsetji Tata, Founder of Tata Group

ACCELERATE SCIENCE



Collaborating with Scientific Community



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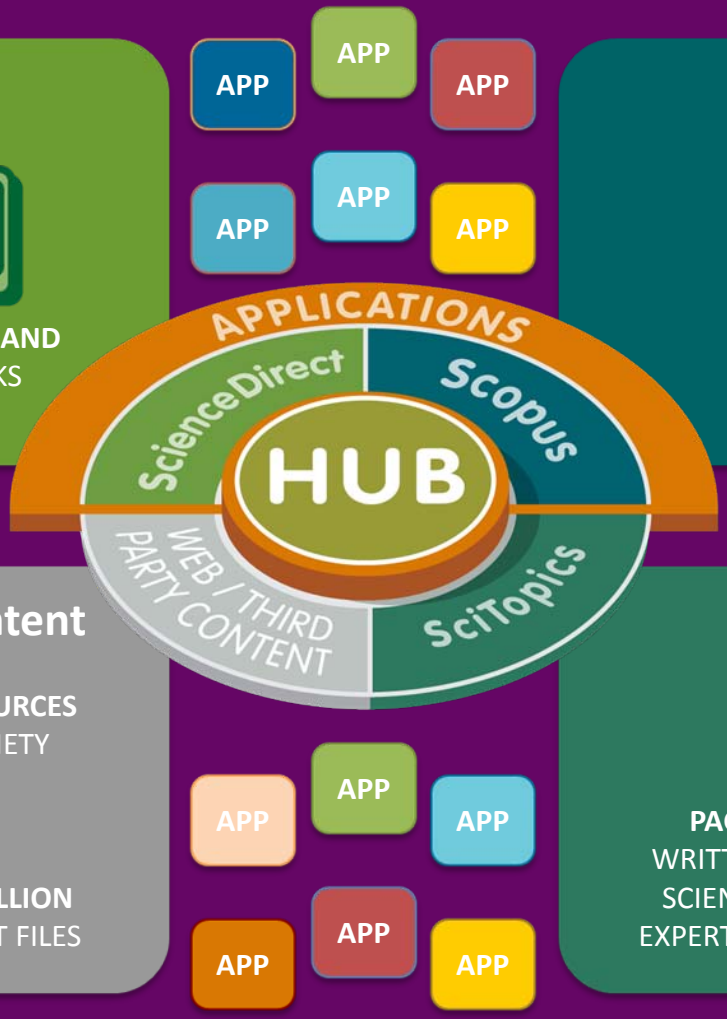

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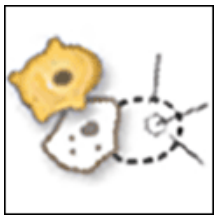

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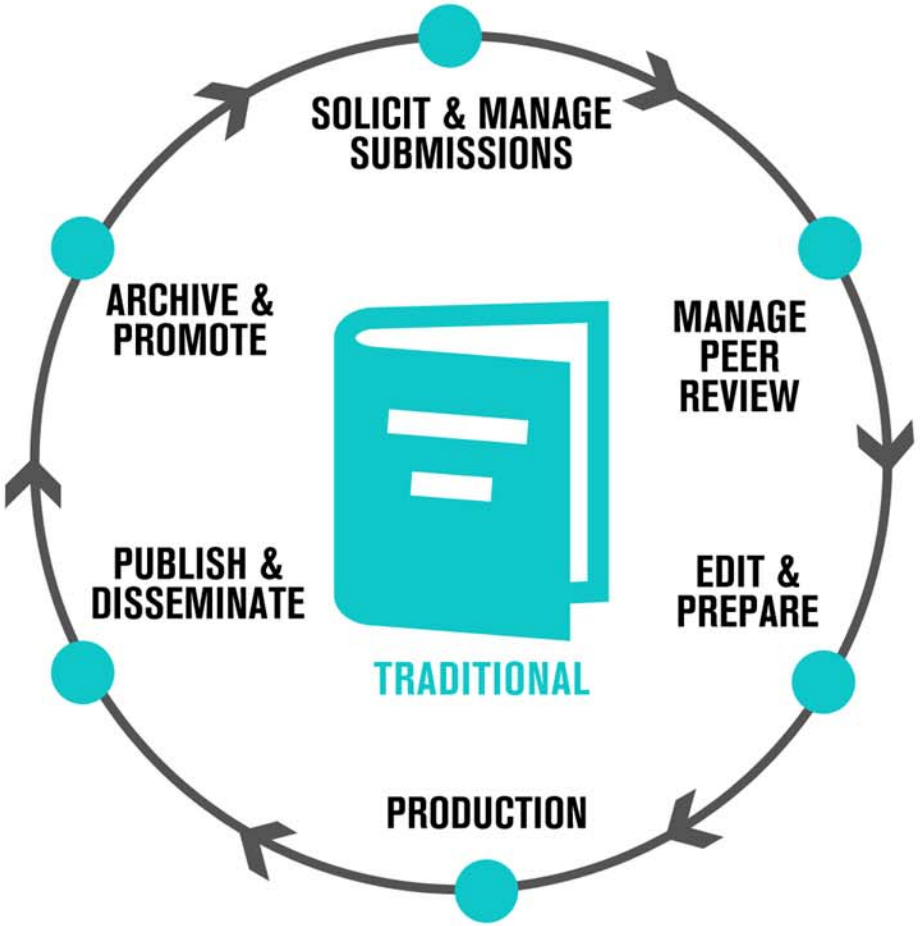

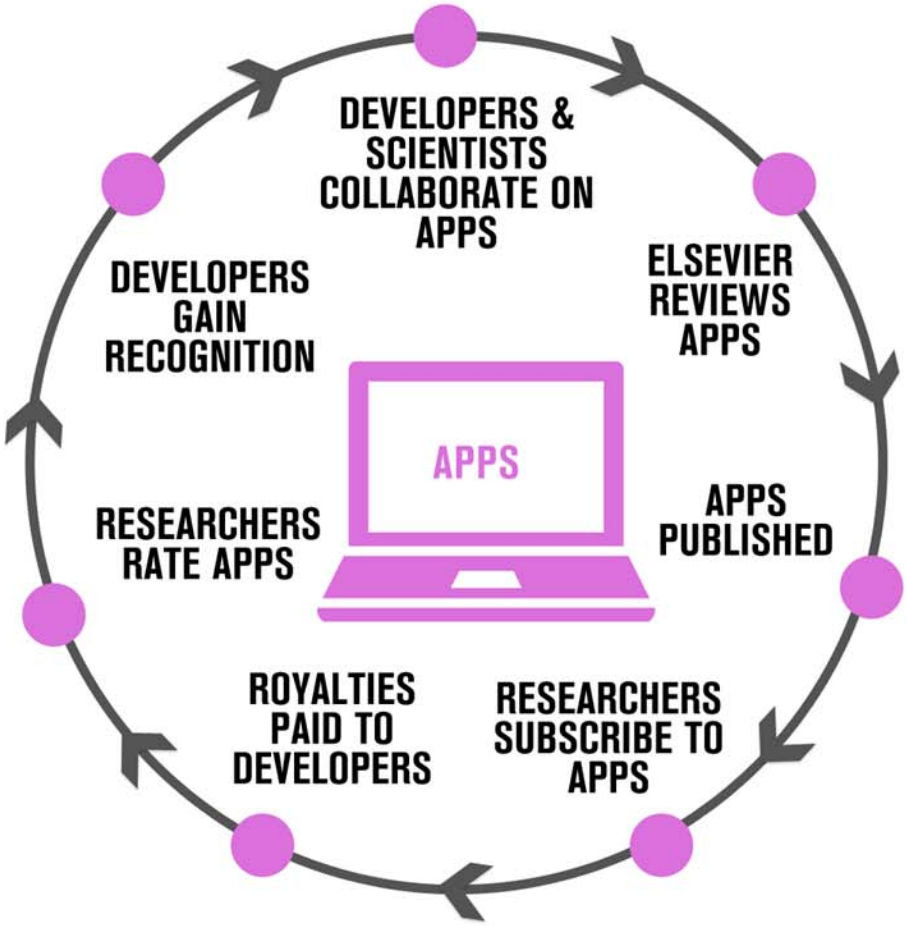

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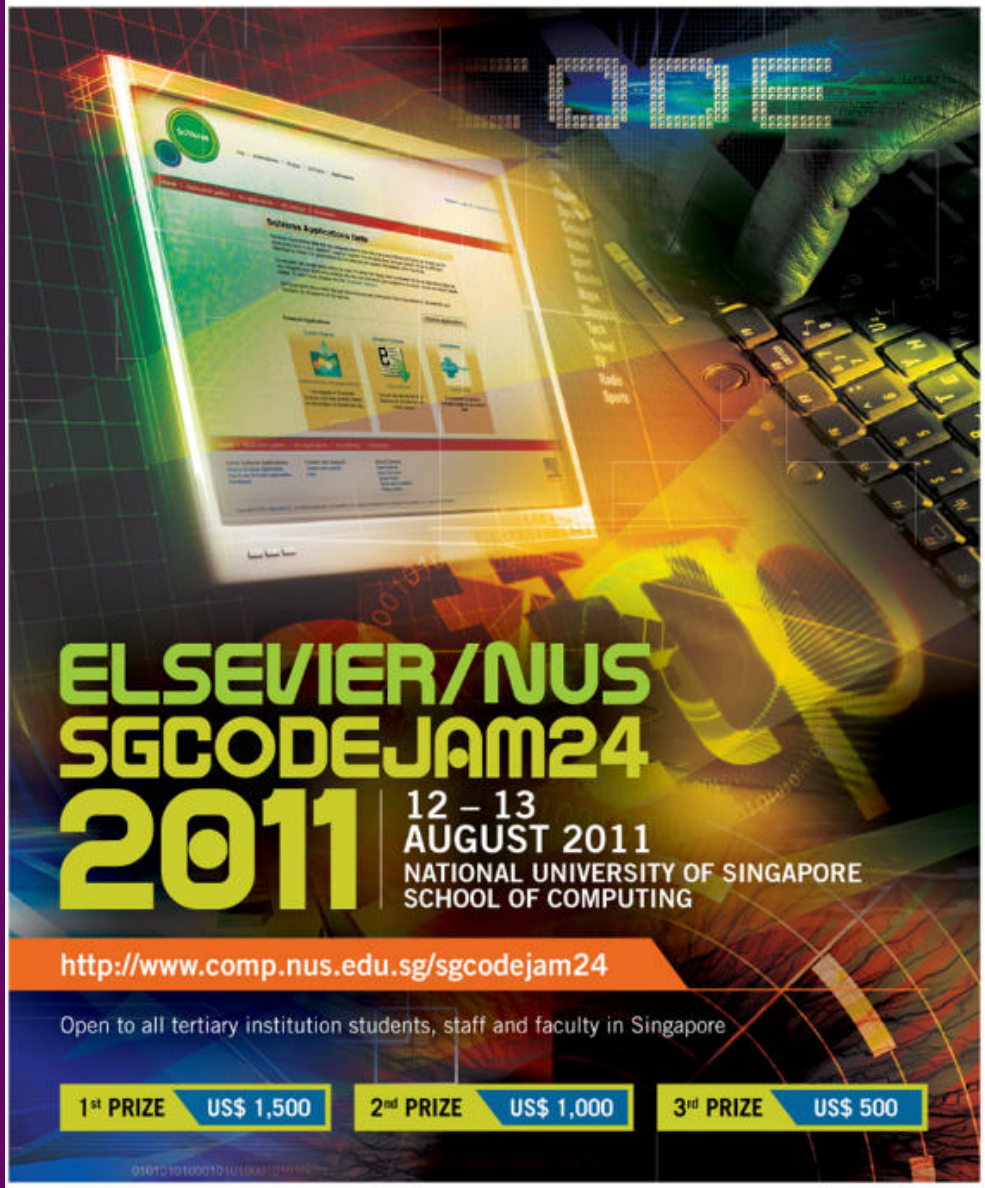
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Its a wrap!

The Sydney Hackathon 2011 was a roaring success. With 11 applications from 32 contestants. Follow us on the blog, twitter and facebook.

Congratulations to all the winners and competitors, it was an amazing weekend! A full report of the event will go up on the blog very soon! Sydney Hackathon was jointly organised by Sydney University IT Society, University of Sydney School of IT and Elsevier.

Check out photos on Facebook

24 hours, your apps, your creativity!

Welcome to the first year of the Sydney Hackathon, a 24 hour application development competition which will be held at the University of Sydney, School of Information Technologies, on the 24th to the 25th of September, 2011.

Developers and designers, students from any University in Australia or full time developers, are invited to enter the competition.

Teams of participants compete against each other to develop apps for

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The Sydney Hackathon is co-organised by the University of Sydney, Sydney University IT Society and Elsevier. Thanks to our event sponsors the University of Sydney Union and OrionVM.

Apps for Library
Idea Challenge

SciVerse Applications

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Welcome to the Apps for Library Idea Challenge

- **Know what your users need but not how to build it?**
- **Got an idea for how to solve a problem but lack the resources?**

Consider your and your users' day to day workflows in SciVerse (what's this?). What is difficult or time consuming or not intuitive?

MEET OUR TEN FINALISTS!

The judges have selected ten app ideas to move into the Commenting Round. Check them out and add your opinion (good or bad!):

- *Determining the number of authors per article*
- *Journal Abbreviation Translator*
- *Journals/Conferences @ Your Fingertips*
- *JTOCs 2 Go*
- *SciVerse Live Chat*
- *SciVerse Search with Support**
- *(Uses instant messaging but similar to Live Chat)*
- *Search Aid*
- *Visualization of Facets*
- *Vocabulary Mapping*
- *Yumetrics or SciMetrics*

Review the finalists

Register! Comment on the app ideas, blog articles and vote.

Sign-up! Stay informed by leaving your email.

Apps for Science

A COMPETITION BY ELSEVIER

Elsevier is offering $35,000 to software developers to create apps and help more than 15 million researchers, medical professionals, librarians and students accelerate science

Follow this challenge

Follow the challenge to stay informed and learn more about submitting.

Thanks for participating. Public voting is now closed, and votes are being verified for eligibility. Check back in October to find out who wins!

About The Challenge

Elsevier is offering $35,000 in prizes and challenging software developers to help more than 15 million researchers, medical professionals, librarians and students navigate scientific content, improve scientific search and discovery, visualize sophisticated data in more insightful and attractive ways and stimulate collaboration.

Elsevier, the world-leading publisher of scientific, technical and medical information, has opened their vast catalog of scientific content and provided APIs that enable developers to create apps that improve researcher productivity and workflow. Elsevier's trusted content and meta-data integrates more than 10 million full text articles from over 2,500 journals and 11,000 books as well as over 42 million abstracts, citations and web content covering 18,000 titles from over 5,000 publishers.

Developers are encouraged to collaborate with researchers to develop the best apps to enhance the customer experience. Developers will retain full IP rights to their submissions and can host their apps on Elsevier's SciVerse Application Marketplace where they can market their apps and gain revenue from 15 million users in over 10,000 institutions. Apps For Science is open to individual residents and organizations domiciled in seven countries: Australia, India, Japan, Germany, Netherlands, United Kingdom and the United States.

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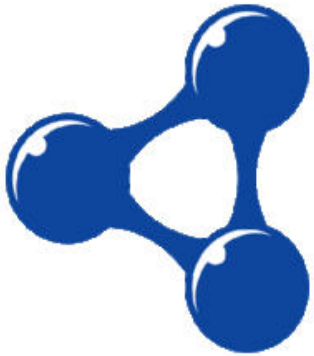

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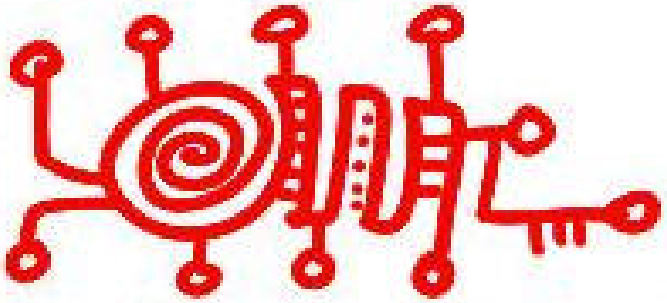
EMPOWERING THE COMMUNITY

We are incredible beings.
We live in incredible times.
that is not the issue.
the issue is whether or not
we actually believe it.

-hugh macleod



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