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Grant Citation

Investigators using ICTS cores and services to support their research should acknowledge the CTSA Grant **UL1 RR024992**

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VIVO

Enabling National Networking of Scientists

By Kristi Holmes, PhD, Bioinformaticist

Are you drowning in the deluge of data, people, projects, publications, and software?

Do you find it difficult to identify the best people for your interdisciplinary team?

Do you need an easy way to highlight your interests and areas of expertise to potential collaborators?

VIVO offers an elegant approach to addressing these and many other roadblocks to collaboration that often emerge in the translational research setting.

VIVO is an open source semantic web discovery platform that contains detailed profiles of scholars and researchers and enables discovery of research across an institution. VIVO was originally developed and implemented by Cornell University in 2004. In September 2009, a \$12.2M stimulus grant from the National Center for Research Resources (NCRR) of the National Institutes of Health (NIH) was awarded to the University of Florida and six partner institutions (Cornell University; Indiana University; Ponce School of Medicine, Puerto Rico; The Scripps Research Institute; Washington University School of Medicine in St. Louis; and Weill Cornell Medical College) to use VIVO as a framework to enable national-level networking of the science community.

Individual profiles in VIVO can contain information such as contact information, publications, research grants, educational background, honors and awards, research descriptions, teaching efforts, and other items of interest. Researchers do not need to spend time regularly updating their profiles on VIVO. Data may be automatically ingested from a variety of authoritative sources (e.g. bibliographic databases and university human resources systems), thereby minimizing the need for manual revision. VIVO offers powerful search functionality for fast and meaningful results and will enable visualization and understanding of science on the local, institutional, and global levels.

Washington University School of Medicine serves as one of the seven implementation sites for VIVO and ICTS members play a large role in the project on both the local and national level.

- **Rakesh Nagarajan, MD, PhD**, Associate Professor of Pathology and Director of the Center for Biomedical Informatics (CBMI) is the local principal investigator.
- **Kristi Holmes, PhD**, Bioinformaticist at the WU Bernard Becker Medical Library, is the National Outreach Coordinator for the

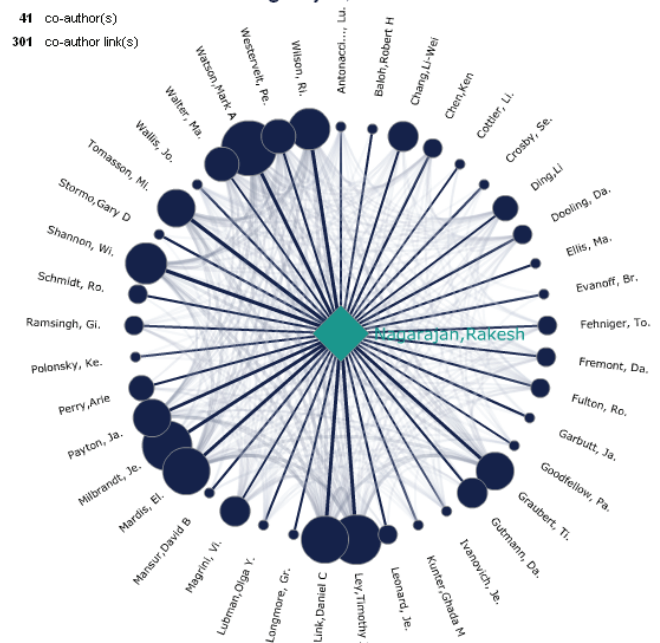
Rakesh Nagarajan - Co-Author Network

[Link to VIVO to view interactive format](#)

Co-author network of Nagarajan, Rakesh

41 co-author(s)

301 co-author link(s)



(See VIVO: page 2)



VIVO, from Page 1

VIVO project and also leads the local outreach effort. Holmes has been selected to serve as the program chair for the 2011 VIVO Conference.

- **Leslie McIntosh**, PhD, (CBMI) is the project evaluator and oversees implementation of the platform locally.
- **Sunita Koul** (CBMI) provides the technical might on the project, applying her knowledge and expertise to the implementation process locally as well as contributing to the national ontology workgroup.

Currently, local efforts include increasing the types and amount of data available in VIVO and expanding the number of profiles in the local system. Among the upcoming software upgrades are new features such as expanded visualizations of complex research networks and relationships, an enhanced user interface, and incorporation of a range of additional data sources for publications, grants, and more.

The local site is <http://vivo.wustl.edu/> and the local project team can be reached by email at vivo@bmi.wustl.edu.

HRPO News: Community Engaged Research Web site Launched and Recognized with Best Practice Award for Excellence

With the development of the [St. Louis Community/University Health Research Partnerships \(CUHRP\)](#) program, the WU Human Research Protection Office (HRPO) was asked to work with and develop better processes and services for community based organization researchers and their partners at Washington University. In response, HRPO formed a task force of representatives from both Danforth and School of Medicine campuses to assist with the development of a web site (http://hrpohome.wustl.edu/community_research/cbr.aspx) to provide resources in support of community-engaged research and to disseminate information to community partners and WU researchers. Response to the HRPO Community Engaged Research Program (CEnR) and web site have been positive and the site recently won the Best Practice Annual Award for Excellence from the Health Improvement Institute (HII). The Award for Excellence, sponsored by the Department of Health and Human Services Office of Human Research Protection (OHRP), is given for demonstrated excellence in promoting the well being of people who participate in research. Information on HII and the Award for Excellence can be found at www.hii.org.

Components of the HRPO CEnR web site include:

Overview Section

- [“Getting Started Step-By-Step” flow chart](#)
- [“Our Community, Our Health” information](#)
- [Ask a question option](#)

Community Partner Specific Section

- [Checklist for community partners](#) - Setting up the collaboration, study design, funding, IRB submission, Assurance needs, necessary guidance forms, human subjects education, confirmations and IRB approvals
- [Human subjects community partner education policy with training alternatives](#)
- [Federal-wide Assurance \(FWA\) information](#) - what it is and how to obtain one

WU Researcher Specific Section

- [Checklist for WU researchers](#) including a sample Memorandum of Understanding
- [“Request WU as the IRB of Record” guidance](#)
- Community Partner Manual

HRPO CEnR Task Force members included: Sarah Fowler-Dixon, PhD, CIP; Samantha Books, MPH; Linda Cottler, PhD, MPH; Rebecca Evans; Jane Garbutt, MB, ChB; Sarah Gehlert, PhD; Chad Henry, MBA; Martha Jones, MA, CIP; Katherine Mathews, MD, MPH, MBA; Jeanne Velders, JD, CIP; and Consuelo Hopkins Wilkins, MD, MSCI. Special thanks: Christine Bear.

For questions relating to CEnR projects and web site resources, contact Sarah Fowler-Dixon, PhD, CIP, HRPO Education Specialist at fowlerdixonsb@wustl.edu or 314-633-7456.

Our Community, Our Health Presents CDC Social Determinants of Health Workshop & Conference

Our Community, Our Health (OCOH) recently hosted two educational opportunities in collaboration with the Center for Disease Control and Prevention (CDC) as part of its mission to disseminate relevant and culturally appropriate health information and to engage the St. Louis community in partnerships to address local health disparities.

Addressing Social Determinants of Health through Community-Engaged Research Conference

The 4th OCOH conference was held on October 6th from 8:00-11:00 a.m. in the Des Lee Auditorium at the Missouri History Museum in Forest Park. One of the highlights of the day was Mellve Shahid, Sr.'s talk on lessons learned and how to maintain momentum. He spoke passionately about [The Empowerment Network](#), a non-profit organization that he founded, whose mission is to provide cancer prevention, outreach, education, intervention, support, research and advocacy services and resources across the St. Louis metropolitan area. Mr. Shahid has partnered with clinical researchers from both Washington and Saint Louis Universities and is a strong advocate for community-based research. One of his key messages was, "When the community and academic institutions come together, they save lives."



Mellve Shahid, Sr. and Melba Moore

Other community speakers were Melba Moore, Commissioner of Health, the City of St. Louis and Rosetta Keeton, Manager, Community & Volunteer Service, St. Louis ConnectCare. Dean Larry J. Shapiro, MD, WU School of Medicine, and Dean Ed Trevathan, MD, MPH, SLU School of Public Health, welcomed the audience of approximately 140 attendees who represented local community non-profit organizations, governmental agencies, and researchers from both academic institutions. Other presenters included:



Mellve Shahid, Sr., (The Empowerment Network), Homer H. Schmitz (SLU), and Larry J. Shapiro (WU)

- Tonya Chavis Keener, Coordinator, CDC's Racial and Health Disparities Action Institute ([REHDAI](#)), who spoke about how to identify approaches and develop actions plans that integrate social determinants of health; and
- Amy Eyler, PhD, CHES, [Prevention Research Center in St. Louis](#), who provided strategies for evaluation and measuring success.

Conference attendees received the CDC published workbook, *Promoting Health Equity: A Resource to Help Community Address Social Determinants of Health*.

The workbook is written by Drs. Laura Brennan ([Transtria, LLC](#)) and Elizabeth Baker ([SLU School of Public Health](#)) in partnership with Marilyn Metzler (CDC). The books were donated by Transtria, LLC.

Social Determinants of Health Training Workshop

The prior afternoon, October 5th, a half-day workshop was facilitated by CDC trainer Tonya Chavis Keener at the Edward P. Newman Education Center at WU Medical Center. She guided 20 participants through an understanding of social determinants of health and presented tools for forming partnerships, assessing communities, developing



Tonya Chavis Keener (CDC) and Consuelo Hopkins Wilkins (WU) provide an overview at the workshop

approaches and action plans, and evaluating initiatives. This interactive workshop included representatives from local non-profit organizations, faith-based institutions, governmental agencies, and also post-doctoral scholars from WU.

The ICTS sponsors OCOH activities as part of its community engagement program. OCOH is directed by Consuelo Hopkins Wilkins, MD, MSCI, Washington University, and co-directed by Darcell P. Scharff, PhD, Saint Louis University. To learn more about OCOH or to view event presentations, go to <http://ourcommunity-ourhealth.org>. You may also email us at ocoh@dom.wustl.edu or call Deb Jaegers at 314-362-9829.

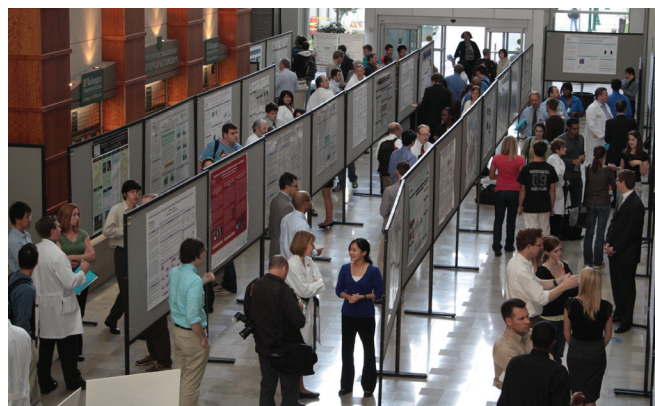


Darcy Scharff (SLU) and workshop participants

Fifth Annual Research Training Symposium and Poster Session

On October 27th, 2010, the WU medical school-wide Research Training Symposium and Poster Session showcased the basic, clinical, and translational research projects by junior faculty, residents, fellows, and training program scholars. They submitted 122 abstracts, which were compiled in a booklet and distributed at the event, held in the Farrell Learning and Teaching Center.

The symposium featured an introduction by Alison Whelan, MD, Senior Associate Dean for Education at Washington University School of Medicine. Evan Kharasch, MD, PhD, Vice Chancellor for Research at Washington University, gave the keynote address, and five select scholars presented their research to a large audience. The poster session featured 110 posters presented by 114 scholars. Thirty-five WUSM faculty members participated by reviewing the projects, discussing the work and providing the young investigators with valuable feedback and encouragement.



HealthStreet Partners with St. Louis Public Schools and Operation Food Search

Art@HealthStreet

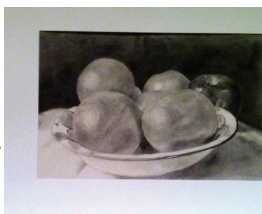
Last May when Barbara M. Alving, MD, Director of the National Center for Research Resources (NCRR), visited Washington University as the keynote speaker for the National Predoctoral Conference, she also spent time with ICTS program directors and toured the Center for Community-Based Research's (CCBR) HealthStreet facility. HealthStreet's mission is to connect residents of St. Louis to health care referrals, medical care, social services and opportunities to participate in research.

During her visit to HealthStreet, Dr. Alving challenged CCBR program director Linda B. Cottler, PhD, MPH and community project manager Dan Martin to hold a community health-related art contest and display the work at the facility. HealthStreet met the challenge and partnered with the City of St. Louis Public Schools launching an art contest for K-12 students. Submissions were received from 112 students from three grade groupings (K-5, 6-8, and 9-12). Students identified a health topic and created artwork addressing that topic. They also participated in classroom discussions about their work and health. During a November 19th ICTS CCBR Community Advisory Board meeting, board members judged the artwork. Winners were announced and received gift cards to Barnes & Noble. The artwork will be displayed on the walls of HealthStreet for the next several months for visitors to see and the works can also be viewed at HealthStreet's web site (www.myHealthStreet.org.)

Cooking@HealthStreet

The CCBR and HealthStreet also partnered with Operation Food Search's "Share our Strengths" to offer a nutritionist-led course to provide hands-on meal preparation, practical nutrition information, and food budgeting skills for community members. The classes were held at HealthStreet for six weeks during October and November with eleven participants. "Share our Strengths" has received special recognition from the U.S. Department of Agriculture for excellence in nutrition education.

HealthStreet is located at 4306 Manchester Avenue, St. Louis, MO 63110. For more information about HealthStreet or to provide services or educational messages to community residents, call 314-531-3034 or email Dan Martin at martind@epi.wustl.edu.



First Place Winners (L to R)
9-12: Tyrell Browner, Gateway High School
6-8: Mujtaba Alsaegh, Fanning Middle School
K-5: Katrina Bridgett, Woodward Elementary



Have You Met? Missy Krauss

[Missy Krauss, MPH](#), Senior Statistical Data Analyst for the [ICTS Research Design and Biostatistics Group \(RDBG\)](#), works with investigators who use the RDBG as a resource for clinical study design, data collection, and data analysis. Missy has two



words of advice for investigators who may be interested in working with the team of statisticians at the RDBG: “Come Early!” Consulting with RDBG early in the study design phase can help avoid a variety of problems. “Especially for junior investigators, our three senior faculty are very experienced and successful advisors. To develop a relationship with them will strengthen your research.” The RDBG senior faculty team consists of director J. Philip Miller and co-directors, Kenneth B. Schechtman, PhD, and Mae E. Gordon, PhD.

Missy enjoys advising investigators as they develop the best analytical approach for their research. The RDBG team reviews investigators’ research questions and proposed data collection and analytic approaches, and helps them analyze their data or interpret their results. When working with investigators, if appropriate for their project needs, Missy directs them to the new data management tool, [REDCap](#), which is a secure web-based system for electronic data capture. To begin the process of working with the RDBG, an investigator can either 1) provide some basic, preliminary information in an [online service request form](#) accessed through the ICTS RDBG web site, or 2) schedule consultation during the [Biostatistics Clinic](#). Missy coordinates the staff for the Clinic, which holds standard office hours on Tuesdays from 9:00 a.m. to 12:00 p.m. and Thursdays from 1:00 p.m. to 4:00 p.m. Often a researcher builds a relationship with specific RDBG members, and continues to work with that team on future projects. Missy noted that, “We like to work more as collaborators than just as service providers.”

Missy especially enjoys collaborating with scholars through the [ICTS Clinical Research Training Center \(CRTC\)](#). Missy has forged an ongoing research relationship with Patricia Cavazo-Rehg, PhD, Research Instructor, Department of Psychiatry, who is a former CRTC post-doctoral and KL2 scholar. [Dr. Cavazos-Rehg’s research](#) involves “understanding the relationships between substance abuse and sexual risk behaviors utilizing existing, large-scale datasets.” Together, they have published several papers.

Continued: Next Column

Tips & Tools from Becker Library

Did you know that the [Scopus](#) or [Web of Science](#) databases allow for creation of search query alerts, document citation alerts and author citation alerts? Register for a free account for either database to be alerted via email each time a new work indexed in these databases matches your alerts. Depending on your campus affiliation, you may not have access to both databases. Check with your campus library as to availability of Scopus and Web of Science, and to arrange for guidance on how to use these databases.

Publishing your work in an open access journal ensures that your work can be read by everyone. Open access articles often garner greater impact than traditional models of publication. See: “[The effect of open access and downloads \(‘hits’\) on citation impact: a bibliography of studies.](#)” Check with your campus library to determine if authors are entitled to a discount on author fees for open access articles based on a library subscription to a particular journal. For WU or WUSM authors, please see “[Subsidized Open Access Fees for WU and WUSM Authors](#)” to view a list of journals and discounted author fees for open access articles.

For more information please email [Kristi Holmes](#) or [Cathy Sarli](#).

CTSA News

The CTSA consortium is making it easier for scientists to collaborate on research projects. A new web page allows researchers at CTSA institutions to post information on projects and studies that offer opportunities for investigators to work together. Visit the “[Collaboration Opportunities](#)” page on the [CTSA web site](#) to post a project or learn about opportunities to collaborate.

Also learn about upcoming events, workshops, and intra-CTSA initiatives at the CTSA web site at <http://www.ctsaweb.org>.

Have you Met? *Continued*

When she came to Washington University, Missy worked with Victoria J. Fraser, MD, on patient safety research. Prior to that she worked with Douglas A. Luke, PhD, at the Center for Tobacco Policy Research, which was then located at Saint Louis University. She has an undergraduate degree in biology and, in 2002, earned a Master’s in Public Health with concentrations in Biostatistics and Epidemiology from Saint Louis University.

After moving from Perryville, Missouri to St. Louis to attend college, Missy never left. She has been married for 10 years and has a daughter (age 4) and a son (age 2). They have two Labrador retrievers who were their “kids before kids.” What little down time the family has, they like to hike or bike along the Grant’s or Katy trails.

To learn more about how you can consult with the RDBG for research design and analysis, please visit their [web site](#) or you may contact Missy at missy@wubios.wustl.edu or 314-362-3663.

Events & Announcements

ICTS Brown Bag Seminars Dates for 2011 Winter/Spring Seminars January 26, February 24, March 31, April 27 and May 25

Holden Auditorium, Farrell Learning & Teaching Center, WU Medical Center Campus. Register via HRMS Self Service, Training & Development. Non-WU staff email ICTS@wustl.edu. For more information, call 314-747-8155.

Clinical Research Training Center (CRTC) Career Development Seminars December 14 (2:30 - 4:00 p.m.)

Collecting and Managing Research Data

Ken Schechtman, PhD, Associate Professor of Biostatistics and ICTS Co-Director, RDBG,

January 11 (2:30 - 4:00 p.m.)

R Grants Panel Discussion

CRTC Alumni and F. Sessions Cole, III, MD,
Park J. White Professor of Pediatrics
Moderated by Jane Garbutt, MBChB, FRCP,
Associate Professor of Medicine and Pediatrics

Lower Level Wohl Hospital, WU Medical School Campus. RSVP not required. For more information, email jheadric@dom.wustl.edu or call 314-454-8957.

Human Research Protection Office Seminars February 4 (12:00 - 4:15 p.m.)

Device Advice from the FDA

Keynote Speaker: Lynn Henley, Center for Devices and Radiological Health

Farrell Learning and Teaching Center, Connor Auditorium, 520 S. Euclid Avenue, WUSM. Registration deadline is **Friday, January 14, 2011**. To register visit the HRPO web site at <http://hrpo.wustl.edu> and click on Education.

ICTS Research Navigator Corner

Did you know?

Did you know that the ICTS Research Navigator is available to speak to your department, division, or research group to provide an overview of the ICTS? To date, the Research Navigator has provided information on ICTS services, resources, educational, collaboration and funding opportunities at several meeting venues. These include the following Washington University departmental/divisional faculty meetings: Sports Medicine, Orthopedics, Emergency Department, Neurology, Surgery Division Chiefs, GI, Cardiology, Critical Care Research, Ophthalmology, CT Anesthesia, Cardiology Clinical Research Group, and Otolaryngology.

For more information or to set up a time convenient for your group, please contact:

Sally Anderson, RN, BSN, CCRC
ICTSNavigator@wustl.edu
(314) 747-8155

Spring 2011 courses

Register by **January 15th** for spring courses, including biostatistics and epidemiology courses.

To see curricular offerings, visit the [CRTC web site](#). For more information or if you have questions, please contact Sarah Zalud-Cerrato, Curriculum Coordinator, at szalud@dom.wustl.edu or 314-362-0916.

Bander Lecture in Business Ethics with Marcia Angell, MD

The ICTS Bander Program in Business Ethics in Medical Research hosted its third annual lecture on November 4, 2010 in the Connor Auditorium of the Farrell Learning and Teaching Center at Washington University School of Medicine. Marcia Angell, MD, Senior Lecturer, Department of Social Medicine, Harvard University, spoke on "Conflicts of Interest in Medicine," and presented her argument that some business practices have superseded best ethical practices for medical research and education.

Over 100 faculty, trainees, scholars, and staff attended the lecture and reception before the event. The lecture is sponsored through a donation from Dr. Steven J. Bander, a nephrologist in St. Louis. The lecture is a collaborative effort with the [Bander Center for Medical Business Ethics](#) in the [Albert Gnaegi Center for Health Care Ethics](#) at Saint Louis University.



Left to Right: Bradley A. Evanoff, ICTS Director, MD, Stephen J. Bander, MD, Marcia Angell, MD, and James M. DuBois, PhD, DSc, Director, Bander Center.