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1-1-2011

Institute of Clinical and Translational Sciences News, Vol. 4, Issue 1

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"Institute of Clinical and Translational Sciences News, Vol. 4, Issue 1" (2011). *ICTS Newsletters*. Paper 22 Washington University in St. Louis Institute of Clinical and Translational Sciences.
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Grant Citation

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

ICTS scholars and trainees should acknowledge the CTSA linked grant
KL2 RR024994
or
TL1 RR024995

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Washington
University
in St. Louis

The ICTS Impact and Future Direction -- 2007 to 2017

Bradley A. Evanoff, MD, MPH, ICTS Director

The ICTS competitive renewal was submitted June 10th, after a long gestation period and a great deal of work by the ICTS administrative staff, service leaders, and many others. Thanks to all who participated in the renewal efforts (we will learn our score in late October) and thanks to all who have contributed to the success of the ICTS in its first 4 years. Below, I'll share some excerpts from the application that describe what we've accomplished in the last 4 years, and what we plan for the next 5 years.

The Last 4 Years

The ICTS can be seen as a "disruptive innovation" – an innovation that changes social and institutional practices. Over the last 4 years, the ICTS drove changes that required the reorganization of decades-old institutional programs including the General Clinical Research Center (GCRC), the creation of new didactic and interdisciplinary clinical research training programs, and the promotion of clinical and translational research as an exciting and successful career pathway. Our activities have been guided by the original aims of the ICTS – promoting clinical and translational research, providing research education, and forming research partnerships.

The ICTS created new clinical research support services, provided investigators with access to research technologies, and funded faculty and staff time to better provide services to investigators conducting clinical and translational research. By providing access to new services and funding, the ICTS has accelerated the pace and quality of clinical and translational research at WU and our partner institutions. The research infrastructure provided by the ICTS has grown substantially since our initial funding and provides support to a broad array of researchers across different departments, schools, and institutions. We have made a substantial investment in funding internal research – the BJHF/ICTS Pilot Funding Program has made 82 awards over the past 4 years totaling \$6.8M of direct costs. The return on this investment has been substantial – in the first cohort of funded grants alone (2008), 5 of 15 investigators report the BJHF/ICTS funding made it possible for them to get external grant funding totaling \$20M.

Development of new training activities as a result of CTSA funding is another key achievement. The ICTS established or facilitated new degree-granting programs and created mentored research and career development programs for faculty, fellows, and students, as well as a variety of new coursework and seminars focused on clinical and translational research. These programs helped to launch the next generation of well-trained clinical and translational investigators, who have already begun to make independent and team based contributions in clinical and translational investigation. Of the 40 alumni of our mentored training program in clinical investigation, 78% have received individual research funding to date; of the 20 KL2 Career Development Scholars alumni, 90% have received independent funding to date.

Finally, the ICTS increased research collaborations among investigators from different disciplines. The ICTS challenged our faculty and trainees to ask research questions that extend beyond traditional departmental boundaries, to pursue interdisciplinary research, and to encourage translational research. Analysis of bibliometric data from 2007 and 2010 shows an increase in interdisciplinary interactions between ICTS investigators, including more densely connected co-authorship networks. Social network analysis of new grant submissions in 2007 and 2010 shows a striking increase in collaborative research proposals among ICTS members – we are submitting grants in partnership with other faculty who we would not previously have worked with. A recent web survey of over 700 ICTS members shows that a large majority of faculty at WU and our partner institutions report an increase in collaborative research and collaborative opportunities compared to 3 years ago.

Continued: Page 3

Research Core Highlight

Translating Bench Top to Bedside: Biologic Therapy Core Facility

By William Swaney

To increase awareness of additional resources that support clinical and translational research, this feature highlights cores outside the ICTS umbrella.

The manufacture of clinical materials and the conduct of clinical trials with these materials requires strict compliance to various FDA regulations, including the cGMPs, as well as numerous internal and external regulatory bodies. The Biologic Therapy Core Facility (BTCF) is a core laboratory within the Siteman Cancer Center (SCC) that was created to assist investigators in the rapid and early translation of promising novel research into clinically relevant interventions intended to treat, prevent, or improve outcomes for cancer and other diseases. Operational since late 2004, the BTCF maintains a cGMP compliant, FDA registered, 2,615 sq ft modern pharmaceutical cleanroom comprised of 6 independent manufacturing suites. The core is equipped with the necessary validated and calibrated production equipment required to manufacture and use novel viral, cellular, biologic, and radio-labeled products in human clinical trials. The core has an independent QA coordinator to oversee the facilities quality systems as required by the cGMP regulations. A highly trained staff, competent in regulatory compliance, directly partners and assists investigators with creation, submission, and approval of Standard Operating Procedures (SOPs), Master Production Records (MPRs), and Investigational New Drug (IND) applications.

Core Services include:

- Maintain and provide modern pharmaceutical cleanroom space for cGMP manufacture of novel clinical materials
- Assist PIs with preparation and submission of Regulatory filings
- Cell selection & depletions of blood products for transplantation (CD34, CD133 selection, CD3/CD19 depletion)
- Tissue processing and cryopreservation
- Mentor junior faculty and staff performing translational research
- Serve as a regional resource to foster academic-industry collaborations with SCC, BJH, and WUSM

Leveraging the considerable basic research scientific expertise of SCC members, Barnes-Jewish Hospital (BJH) and Washington University School of Medicine (WUSM), in the last year the BTCF was involved in several projects that established its unique role in local translational research. Selected examples include a Phase II Study of Active Immunotherapy for Patients with AML; a Dendritic Cell Vaccination study in advanced melanoma patients; two separate DNA Vaccine studies in patients with Breast Cancer: a pilot study evaluating the use of select agents to enhance mobilization of patients with limited donor engraftment for Myeloid Malignancies; Restoration of the GIP-Mediated Incretin Effect in Persons with Type 2 Diabetes Mellitus; a Phase I Study of Tracking and Toxicity following infusion of genetically modified T Cells; and ⁶⁴Cu-DOTA Radiolabeling of select antibodies for pre-clinical evaluation.

For additional information, contact William Swaney at swaneyw@siteman.wustl.edu or 362-9011.

New WU Core Research Facilities and Resources Website

<http://research.wustl.edu/Cores>

The new Core Research Facilities and Resources (CRFR) website is to provide a centralized source of standardized, searchable information about Washington University core facilities. It is designed to help investigators identify cores with specialized equipment and services to support both their research proposal preparation and the conduct of their research.

Investigators can view a list of all core facilities or search this website using key words. Basic information such as core descriptions, contact information, services, equipment, access restrictions, and links to core websites are provided. Investigators can then visit the individual core websites and/or contact the cores for more detailed information.

Core Directors can use this site to publicize their core's services. Online submission can be used to add a new core or update an existing core.

To access the website visit <http://research.wustl.edu/Cores>. (Note: This new website replaces the old core facilities website, so update your bookmarks accordingly.) The CRFR website is managed by the WU Office of Sponsored Research Services. For questions regarding this website, please contact Laura Langton at langton@wustl.edu or 314-935-4119.

ICTS Future; from Page 1

The Next 5 Years

The new specific aims proposed in the renewal build upon the extensive progress we made in the first cycle of funding, focusing upon improving and enhancing the research infrastructure, training programs, and partnerships we established to meet the overall goal of the first grant period - "to provide outstanding environments and resources for investigators engaged in clinical and translational research." In the next funding period, we will continue to enhance our existing research infrastructure to extend this original goal. We will also pursue a new overall goal: to promote the translation of scientific discoveries into improvements in human health by advancing research and education along the spectrum of translational research.

While our ICTS will support and advance clinical and translational science across the full spectrum of translational research, we have identified 3 cross-cutting translational science themes that will promote interdisciplinary interactions across multiple cores, programs and research groups, and where the resources of our ICTS are most likely to result in high-impact clinical research and its subsequent translation into clinical practice. The next 5 years will see a particular focus on these themes:

- Theme 1- Translate the findings of genetic/genomic research into clinical research and practice
- Theme 2 – Accelerate the development and evaluation of new therapeutics
- Theme 3 – Conduct comparative effectiveness and dissemination and implementation research to improve the transfer of clinical research discoveries into practice

In the first grant period, we focused much of our attention on developing new research and educational resources to advance clinical and later stage translational research. In the next period, we will devote increased attention to translational research, taking better advantage of our institution's strengths in basic science research and education, while continuing to promote the renaissance in public health and population health that has occurred at WU in the past 4 years. Our cross-cutting scientific themes were chosen as the areas where the ICTS could best leverage institutional strengths to advance important translational research. Our approach focuses on the basic functions of the ICTS: provide researchers with access to resources, education, and collaborative opportunities. The application of these fundamentals is highly dynamic, and will respond to the rapidly evolving needs of clinical and translational researchers.

ICTS Announces co-Director

We are pleased to announce that **Kelle H. Moley, MD**, assumed the role of ICTS co-Director in April 2011. Dr. Moley is the James P. Crane Professor of Obstetrics & Gynecology, and the Vice Chair for Basic Science Research and Director of the Division of Basic Science Research in the Department of Obstetrics and Gynecology at WUSM. She has a long track record of collaborative



basic science and translational research which allows her to add strong expertise to the ICTS leadership team. She has been at WUSM for 23 years and has been continuously funded by the NIH since 1991. Her basic/translational science laboratory is housed in the Women's Reproductive Sciences Research Center in the new BJC Institute of Health interdisciplinary sciences building. She is a world expert in reproductive issues from gametogenesis to implantation and embryogenesis in animal models of maternal metabolic disorders, primarily obesity and diabetes. In her recent translational research efforts, Dr. Moley along with Dr. Ann Gronowski, Associate Professor of Pathology and Immunology, started the Women's and Infant's Health Specimen Consortium (WIHSC) in 2008 with an ICTS pilot grant. In addition to her research efforts, Dr. Moley is the Program Director of the Fellowship Program in Reproductive Endocrinology and Infertility and continues to see private patients with endocrine disorders and/or infertility.

What is the Translational Research Spectrum?

The ICTS uses the following definitions for different stages of translational research:

- **T1 Research:** The translation of new understandings of disease mechanisms gained in the laboratory into the development of new methods for diagnosis, therapy, and prevention, and their initial testing in proof-of-concept studies in humans.
- **T2 Research:** Translation of initial research findings to test initial hypotheses and/or approaches in clinical applications. Encompasses early stage clinical trials through larger scale, multi-center trials.
- **T3 Research:** Effectiveness, cost effectiveness, and comparative effectiveness studies conducted in practice sites, ensuring the translation of results from clinical studies into clinical practice settings.
- **T4 Research:** Dissemination and implementation research, which identifies and resolves barriers to implementation of evidence-based guidelines into community practice.

2011 National Predoctoral Clinical Research Training Program Meeting

The ICTS Clinical Research Training Center (CRTC) held the third annual National Predoctoral Clinical Research Training Meeting May 11-13, 2011. This year's event was the first joint meeting of the CTSA TL1 Predoctoral Programs and the Doris Duke Clinical Research Fellowship Programs. Dr. Jay F. Piccirillo, TL1 Predoctoral and Doris Duke Clinical Research Fellowship Director, along with Chancellor Mark S. Wrighton, Dean Larry J. Shapiro, and Dr. Victoria J. Fraser welcomed TL1 Predoctoral Trainees from 31 institutions and Doris Duke Clinical Research Fellows from 12 institutions. In total, Washington University was host to 327 attendees, with 176 posters presented, and 56 oral presentations.



Keynote Speaker Eva Kor, Holocaust Survivor and Founder of the C.A.N.D.L.E.S. Holocaust Museum, recounted her story of survival and forgiveness. At the City Museum event, Dr. Alan L. Schwartz, Harriet B. Spoehrer Professor of Pediatrics, Pediatrician-in-Chief, St. Louis Children's Hospital, and Chairman, WU Department of Pediatrics, engaged Doris Duke Fellows with a keynote on his research career. After a dinner at the Chase Park Plaza, Dr. Samuel Klein, William H. Danforth Professor of Medicine and Nutritional Sciences, Chief of the WU Division of Geriatrics and Nutritional Sciences, and Director of the ICTS Center for Applied Research Sciences (CARS), discussed Clinical Issues in Obesity: Fact and Fantasies to the already well fed audience. The meeting closed with a keynote address by Dr. Barry Collier, CTSA Principal Investigator, Vice President for Medical Affairs, Physician-in-Chief, and David Rockefeller Professor at The Rockefeller University.



Keynote Speaker Eva Kor

The conference was sponsored by Washington University School of Medicine, the ICTS, the Barnes-Jewish Hospital Foundation, and the NIH/NCRR. Three years after inception, the CRTC now passes hosting duties to the Mayo Clinic to manage this important meeting of predoctoral trainees May 6-8, 2012 in Rochester, Minnesota. For more information about conference, visit <http://nationalpredocmtg.org>.

New KL2 Career Development Scholars

The ICTS welcomes 4 new clinical research scholars to the ICTS Center for Clinical Research Training (CRTC) KL2 2011 cohort. The KL2 Career Development Awards are aimed at fellows, post-doctoral scholars, and junior faculty who are committed to multidisciplinary careers in clinical and translational research. Scholars must devote 75% of their time to clinical research training over the course of two to three years. The scholar's department must be committed to protecting the 75% effort for research activities. Each scholar works toward a degree in clinical investigation (MSCI), population health (MPHS), public health (MPH or MSPH), or undertakes individualized coursework that furthers their research training. The scholars each have two mentors, a primary and secondary, from different disciplines to advise them and oversee their progress. The program is funded by the NIH CTSA grant KL2 RR024994, the ICTS, Barnes-Jewish Hospital Foundation, and the St. Louis Children's Hospital. The new scholars join a cohort of 12 continuing scholars. Those selected to the program beginning July 2011 include the following individuals from Washington University:

Steve Liao, MD

Instructor, Department of Pediatrics, Division of Newborn Medicine

Research Project: "Bedside Resting-State Functional Connectivity in Neonates"

Mentors: Terrie Inder, MD, Professor of Pediatrics; Joseph Culver, PhD, Associate Professor of Radiology

Luigi Maccotta, MD, PhD

Assistant Professor, Department of Neurology, Epilepsy Division

Research Project: "Functional Network Disruption in Temporal Lobe Epilepsy"

Mentors: Maurizio Corbetta, MD, Norman J. Stupp Professor of Neurology, Professor of Radiology, Anatomy and Neurobiology; R. Edward Hogan, MD, Associate Professor of Neurology

David Riddle, MD

Instructor, Department of Medicine, Division of Infectious Diseases

Research Project: "Virulence Factors and Host Characteristics in Severe *S. Pyogenes* Infections"

Mentors: Michael Caparon, PhD, Professor of Molecular Microbiology;
David Hunstad, MD, Assistant Professor of Pediatrics

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OHRP National Research Forum and Community-Engaged Research Conference to be Held at Washington University

By Sarah Fowler-Dixon, PhD

On Monday, September 26 and Tuesday, September 27, 2011, Washington University (WU), the DHHS Office of Human Research Protections (OHRP), Meharry Medical College, and the WU Institute of Clinical and Translational Sciences will be hosting a conference whose theme is Community-Engaged Research: Exploring the Unique Community-Academic Relationship. The momentum created by the Clinical and Translational Science Award, the St. Louis Community/University Health Research Partnerships (CUHRP) awards and the WU Human Research Protection Office's Community-Engaged Research Program brought about the idea to host a national conference focusing on challenges in community-engaged research and strategies to overcome them.

The first day of the conference is an OHRP National Research Forum designed to focus on the regulatory aspects of human subjects research. [Dr. Wayne J. Riley](#), MD, MPH, MBA, MACP and President and Chief Executive Officer of Medicine of Meharry Medical College will be the keynote speaker. Among his other accomplishments, Dr. Riley has been appointed by the DHHS Secretary to serve on the Advisory Council for the National Center for Minority Health and Health Disparities. Federal representatives will reveal current information and guidance related to the conduct and oversight of human subjects research.

Day two is designed to build on itself starting with the keynote presentation by [Rick Kittles](#), PhD, Scientific Director and Co-founder of African Ancestry, Inc. and Associate Professor of Medicine and Epidemiology and Biostatistics at the University of Illinois at Chicago. The day will continue with panel and round table discussions and end with a report from the afternoon Think Tank sessions designed to encourage conversations and information sharing between academic investigators and community partners. The ultimate goal is to develop white papers that can then be disseminated. Poster sessions will be held both days (the deadline is August 1, 2011). Posters may be submitted that deal with any aspect of community-engaged research including partnership strategies, health disparities research, human subjects research management, IRB review or administration, regulatory compliance issues, tools for community research, outreach programs, recruitment strategies or other related topics.

Conference faculty include representatives by both academic investigators and community partners. Community representation includes St. Louis based SIDS Resources and Gateway Greening, members of the University of North Carolina's community based participatory research charrettes, and representatives from Vanderbilt's community review board.

Early registration fees are \$95 for one day or \$188 for two days. Fees include all materials, breakfast, lunch, snacks and a reception on the first day. Assistance is available for students and community representatives; contact Sarah Fowler-Dixon, PhD, at 314-633-7456 or fowlerds@wusm.wustl.edu. For complete information, go to the [Conference](#) website. Also see the recent WU [RECORD ARTICLE](#).

Best Practices in Mental Health Conference Held

On June 7, 2011 the ICTS co-sponsored a full day conference, "Research with Vulnerable Populations: Charting the Ethical Terrain." The conference was the 4th in a scientific meeting series funded by the NIH National Institute of Mental Health (DuBois, PI, and Director, ICTS Center for Clinical Research on Ethics) on Best Practices in Mental Health Research.

Keynote speakers included Laura Beskow, Karen Dugosh, David Festinger, and Rose James. The event held at Saint Louis University was attended by 80 participants, most of whom received CEUs or CMEs. Archived materials, including speaker slides, can be found at www.emhr.net.

New KL2 Career Development Scholars; from Page 5

Amy Riek, MD

Instructor, Department of Medicine, Division of Endocrinology, Metabolism & Lipid Research

Research Project: "Vitamin D Deficiency, Insulin Resistance and Cardiovascular Disease"

Mentors: Carlos Bernal-Mizrachi, MD, Assistant Professor of Medicine and of Cell Biology and Physiology, Victor Davila-Roman, MD, FACC, FASE, Professor of Medicine, Anesthesiology, and Radiology

Applications for 2012 scholars are currently being accepted through September 1, 2011. Please review the [application requirements](#), and apply online at <http://crtcapply.wustl.edu>. For additional information or answers to questions, please contact Rachel Driskell, Program Administrator, at rdriskel@dom.wustl.edu or 314-361-8719.

What's New & Old at The REC

By Charles Rathmann

The Recruitment Enhancement Core (REC) is located in the ICTS Regulatory Support Center and the Center for Clinical Studies. It provides a unique and data-driven service that helps ICTS investigators meet and exceed study recruitment targets in a timely and cost-effective manner. The REC takes responsibility for facilitating and enhancing recruitment by passing a steady stream of pre-qualified participants to study personnel using various recruitment avenues. Assistance is available to create comprehensive, strategic recruitment plans and approaches to maximize recruitment efforts, including problem-solving existing and potential recruitment challenges.

As an ICTS investigator or study staff, you may not be aware that the REC has 4 different levels of service to customize the recruitment of your potential participants – and much of the assistance is at no charge to you!

Below is a breakdown of our levels of service (all of which are cumulative):

Level 1 Services:

- Research Participant Registry (RPR) Database registration, query and referrals (15K registered)
- Flyer/poster development
- Web ad development and placement (RPR website, RPR Face Book Fan Page, CenterWatch)
- Research Match.org access and referrals (a national recruitment database)

Level 2 Services:

- Development of print media ads (on/off campus and paid/free)
- Development of radio ads with placement advice and support
- Development of TV/web ads with placement advice and support
- IRB approval support for REC and sponsor generated ads
- E-mail blast distribution of IRB approved ads

Level 3 Services:

- Consultation on protocol feasibility
- Template language for regulatory and budget preparation
- Strategic recruitment plan development and guidance
- Strategic recruitment plan accountability

Level 4 Services:

- Strategic recruitment plan implementation
- Detailed patient chart reviews by engaged REC staff (All Scripts, Clin Desk, Cider)
- Potential participant pre-screening and referrals
- Creation and implementation of IRB approved pre-screening tools and/or scripts
- Enrollment tracking and analysis (monthly)
- Referral network collaboration with targeted medical professionals (community)

The only time the REC would need to be reimbursed for services is when REC staff are responsible for implementing the strategic recruitment plan (Level 4 services). For more information about how the REC can support your participant recruitment efforts, contact Charles Rathmann, Director of the Recruitment Enhancement Core, at 314-362-0897 or rathmannnc@wusm.wustl.edu.

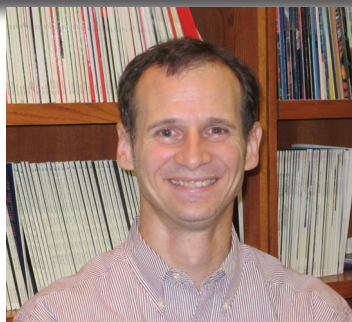
BJHF/ICTS - 2011 Request for Applications

The Barnes-Jewish Hospital Foundation (BJHF) and the Washington University Institute of Clinical and Translational Sciences announce the 4th annual BJHF/ICTS Clinical and Translational Research Funding Program. Deadlines and the full RFA will be available by mid-August on the ICTS website under Funding Opportunities at http://www.icts.wustl.edu/funding/bjhf_icts_funding_program.aspx. The program will award one year pilot grants not to exceed \$50,000 direct costs.

The primary purpose of this program is to fund high quality, innovative proposals that have the potential to promote the translation of scientific discoveries into improvements in human health. Investigators applying for this funding must be members of the ICTS. Member eligibility information and registration is available at <http://www.icts.wustl.edu/membertools/registration.aspx>. Applications from new investigators are particularly encouraged. (Additional eligibility requirements will be detailed in the RFA.) Questions may be addressed to icts@dom.wustl.edu, Jaimee Stagner (ICTS) at 314-362-6325, Becky Evans (ICTS) at 314-362-9386 or Pamela Jayne (BJHF) at 314-286-0349.

Have You Met? Dominic Reeds, MD

Dominic N. Reeds, MD, Assistant Professor of Medicine in the Division of Geriatrics and Nutritional Science at Washington University, is the new Associate Director of the Clinical Trials Unit (CTU) in the ICTS Center for Applied Research Sciences



(CARS). He is a board-certified endocrinologist and Director of the Nutrition Support Service at Barnes-Jewish Hospital. With over 10 years of experience in the design and performance of clinical research funded by the NIH and scientific organizations (e.g., American Society for Nutrition) and experience conducting industry-sponsored clinical trials, Dr. Reeds assumed oversight of the CTU in February 2011 upon the departure of Dr. John Newcomer to the University of Florida, Miami. Dr. Samuel Klein, CARS Director, said, "Dominic is an outstanding clinical investigator and clinician. We are fortunate to have someone with his talent and body composition assume the duties of this important position."

The CTU is an outpatient research unit located on the 11th floor of the Center for Advanced Medicine. The Unit offers dedicated research space, equipment, and nursing support for low-intensity clinical studies. These studies include single-center and multi-center clinical trials funded by the NIH, medical and charitable foundations, and industry. The CTU is also used for outpatient studies that require complex sampling procedures, intravenous infusions and pharmacokinetics for oncology research. Staff include medical technologists and phlebotomists; with RNs providing nursing support. The CTU works as a multi-disciplinary team with other ICTS Cores including the Clinical Research Unit (CRU) and the Recruitment Enhancement Core (REC).

Dr. Reeds received training in diabetes, endocrinology and metabolism at WU. He mentored under Samuel Klein, MD and has expertise in the use of stable isotope tracers, mathematical modeling and tissue biopsy techniques to examine glucose and lipid metabolism. His research is centered on the mechanisms through which obesity contributes to diabetes and heart disease, and has a particular interest in the metabolic problems of people living with HIV. Currently, Dr. Reeds is conducting a 3 year trial to determine if weight loss is clinically beneficial in obese people with HIV. He is committed to training young investigators pursuing research related to nutrition and obesity, serves in the Mentors in Medicine program offered by the Graduate Medical Office

Continued: Next Column

VIVO Implementation Fest

By Kristi Holmes, PhD

The VIVO Implementation Fest was held on Washington University's School of Medicine campus June 23-24, 2011 with sponsorship provided by the ICTS. The Fest was developed as a way for the VIVO project to help facilitate committed and ongoing implementations outside of the NIH-funded project in a small-group environment. Both technical and policy tracks were offered at the Fest to address the different challenges that may be associated with implementation and adoption of VIVO within diverse organizations. Over 32 hours of programming were developed during the event. Over 40 people attended the Fest and organizations represented included: the United States Department of Agriculture, Duke University, University of Nebraska-Lincoln, University of Colorado-Boulder, SUNY Stony Brook, University of North Texas, Hunter College, the American Psychological Association, Symplectic, the Inter-American Institute for Cooperation on Agriculture, Universidad Central del Caribe, and Georgia Tech. VIVO project members from Washington University, University of Florida, Cornell University, Ponce School of Medicine, and Weill Cornell Medical College served as facilitators for the sessions. Presentation slides, event photos and other materials can be found online at the VIVO SourceForge community site at <http://goo.gl/xofv5>.



VIVO is an open source, open ontology research discovery platform for hosting information about scientists and their interests, activities, and accomplishments. VIVO supports open development and facilitates integration of science through simple, standard semantic web technologies. VIVO is funded by the National Institutes of Health, U24 RR029822.

Learn more about VIVO at <http://vivoweb.org>.
See WU's VIVO at <http://vivo.wustl.edu/>.

Have You Met? Continued

at Barnes-Jewish Hospital, and provides lectures and ward teaching to medical students and residents. In addition, Dr. Reeds directs the Barnes-Jewish Hospital Nutrition Support service which provides assistance in the evaluation and management of feeding the critically ill, and he is an attending physician on the Diabetes Management Team.

When he is not in his lab or the CTU, Dr. Reeds enjoys spending time with his wife, four-year old twin boys, and the family dog, "Sam." He enjoys soccer, baseball and outdoor activities. Dr. Reeds is originally from Aberdeen, Scotland and has lived in the United States for over 20 years.

To learn more about CTU services, contact Anne Doyle, RN, at doylea@wustl.edu or 314-286-1551. Access CTU study applications forms at <http://icts.wustl.edu/cores/ctu.aspx>.

Events & Announcements

ICTS Brown Bag Seminars

August 25 (Noon-1:00 p.m.)

Subject Retention and Tracking

Jaime Strickland, MA, Project Manager,
Washington University School of Medicine

September 27 - (Noon-1:00 p.m.)

How to Collaborate with the Recruitment Enhancement

Core (REC): A Practical Update

Charles Rathmann, Director, REC
Washington University School of Medicine

Hold Other Fall Seminar Dates

October 26, November 17, December 20

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

Clinical Research Training Center (CRTC) Career Development Seminars

Tuesday, August 30 (2:30 - 4:00 p.m.)

How to Write a Career Development Plan

Victoria J. Fraser, MD, FACP
Interim Chair, Department of Medicine;
J. William Campbell Professor of Medicine, and
Director, ICTS Clinical Research Training Center

Wohl Auditorium, Lower Level Wohl Hospital, WU Medical School Campus. RSVP not required. For more information, contact Julie Headrick in the CRTC at jheadric@dom.wustl.edu or 314-454-8957.

Tips & Tools from Becker Library

Are you looking for an online source of bioinformatics tutorials? WUSM Becker Medical Library has subscribed to OpenHelix for the entire Washington University campus.

Visit <http://www.openhelix.com/cgi/tutorials.cgi> to register for an account and view available content.

Need to learn more about the [NIH Public Access Policy](#)? Becker Medical Library will provide a presentation on the NIH Public Access Policy on Wednesday September 7, 2011, 10-11 a.m. at Schwarz Auditorium (Maternity Building, WU Medical Center Campus). There is no fee but [registration](#) is recommended.

ICTS Research Navigator Corner

The ICTS announces the formation of

LINC: Linked ICTS Navigation of Cores

The new LINC group is comprised of ICTS Core service providers. This forum provides the opportunity to ask questions and make referrals to ultimately streamline and enhance the services provided to ICTS members and trainees.

This newly formed group will hold monthly lab meetings to network, share information regarding the services they provide, and discuss issues relevant to their roles within the ICTS.

LINC will meet the last Friday of every month from 12 – 1 in the BJC Institute of Health at Washington University, 8th Floor Conference Room, Medical School Campus.

If you would like more information regarding LINC or ICTS Cores and services, please contact the ICTS Research Navigator.

Sally Anderson, RN, BSN, CCRC

ICTSNavigator@wustl.edu

(314) 747-8155

Clinical Research Management Certificates Awarded

The WU Clinical Research Management Certificate Program celebrated its second graduation consisting of 6 CRM students on May 18, 2011. La June Grayson-Bishop, Farley Johnson, Sylvia Johnson, Jill Newgent, Wei Shen and Vanetta Worthy successfully tackled the 21-unit program, completing their Practicum/Capstone in the spring. For this final course, 2 students shadowed coordinators in various clinical research settings and 4 students completed projects related to their research interests. Their final projects included: 1) consent training for clinical research coordinators; 2) a clinical research coordinator handbook; 3) a guide on how to legislate for a health care issue; and 4) a research project to implement and evaluate outcomes of a day camp aimed at teaching children how to manage their asthma.

For more information on the Clinical Research Management Program (BS, MS, Undergraduate/Graduate Certificate), contact Shawn Cummings, Academic Advisor and Pre-Health Coordinator, WU University College, at 314-935-6783 or cummings@wustl.edu.