

CTSA Informatics 2009

An update from the CTSA Informatics Key
Function Committee

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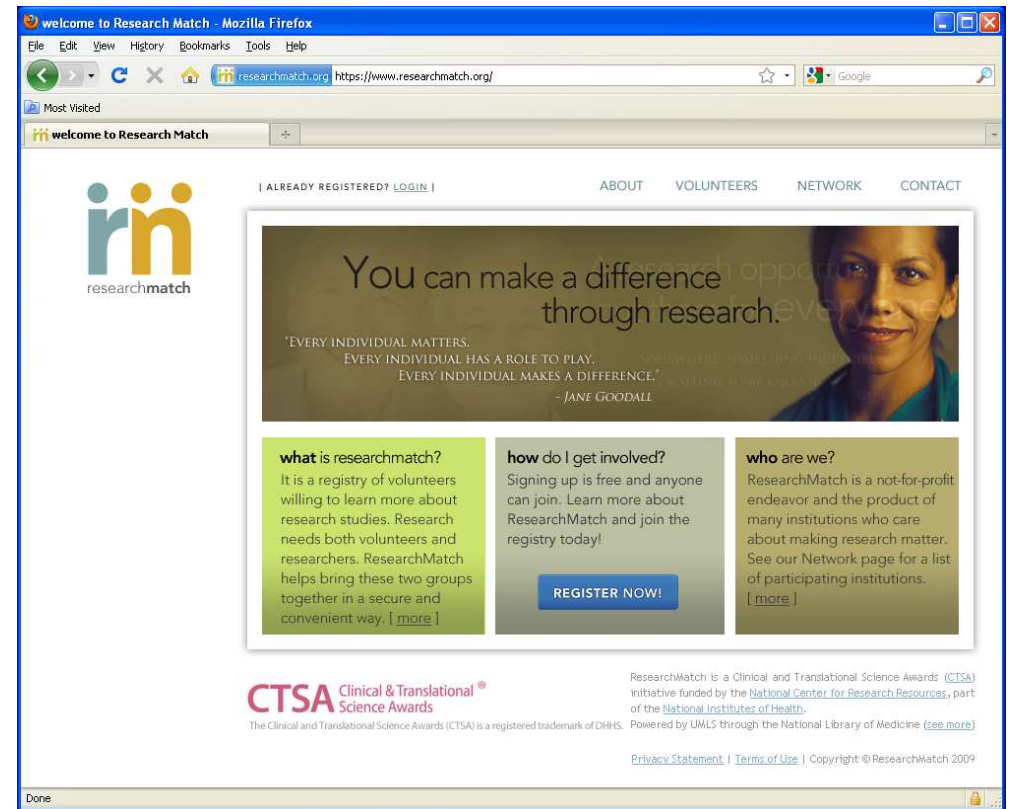
IKFC co-chairs

A brief sampler of multi-institution informatics projects underway

- From among more than 30 multi-institution projects known to IKFC
- Ranked by numbers of participating CTSA sites and indexed by CTSA Strategic Goals

National Recruitment Registry

- ResearchMatch.org
- 30+ institutions
- Matches research volunteers to local and national clinical research opportunities
- Strategic goals 1,3,4
- Go-live





- Secure web-based data entry & retrieval
- In use at 28 CTSA's for 800+ protocols
- Strategic goals 1,2,3
- Lead institution: Vanderbilt (Harris)
- Being enhanced via consortium and CTSA supplement

REDCap Demo Database

Demographics

Editing existing Study ID "154756" (,)

Study ID	154756
Demographic Characteristics	
Date subject signed consent	2009-01-06 YYYY-MM-DD
First Name	Paul
Last Name	Harris
Contact Information	
Street, City, State, ZIP	123 Wilson Road
Phone number	(883) 888-8888 Include Area Code
Second phone number	(883) 888-8888 Include Area Code
E-mail	paul.harris@vanderbilt.edu
Gender	Male
Race	<input checked="" type="radio"/> Caucasian <input type="radio"/> African American <input type="radio"/> Hispanic <input type="radio"/> Asian <input type="radio"/> Other
Date of birth	1921-01-01

General Information

Data Entry

- Demographics
- Baseline Data
- Month 1 Data
- Month 2 Data
- Month 3 Data
- Month 4 Data
- Month 5 Data
- Month 6 Data
- Completion Data

Applications

- Data Export Tool
- Data Import Tool
- Data Comparison Tool
- Data Logging
- File Repository
- Data Cleaner
- Data Dictionary
- Data Access Groups
- Report Builder

Help & Information

Reports

- 1) Report #1
- 2) practice report
- 3) test
- 4) test
- 5) test
- 6) TestReport
- 7) Sample #1
- 8) Hello World

CTSA Intellectual Property Directory

- Directory of technologies available via university and NIH tech transfer offices
- Collaboration of CTSA Informatics, Public-Private Partnership Key Function Committees
- Includes data from 15 CTSA institutions
- Lead institution:
Univ. Rochester (D. Wang)
- Strategic Goals 1,2,3,4,5

Human Studies Database

- Next generation “Clinicaltrials.gov”-like system with structured representation of trial design, analysis plan, results
- Lead by UCSF (Ida Sim)
- 13 CTSA’s participating
- Strategic goals 1,2,3,5

I2b2 EMR data integration

- Tools to automatically extract clinical observations and events from electronic medical records to create research data warehouses
- Lead institution: Harvard (Kohane)
- 13 CTSA's participating
- Strategic goals 1,3,5

CTSA Inventory Resource Web Presence

- Searchable inventory of research resources across CTSA's
- Lead institutions: Duke, Pittsburgh
- 8 CTSA's participating in prototype development; data from 37
- Strategic goal 3

Physio-MIMI

- Demonstration project of ‘federated’ approach to merging clinical research databases residing at multiple institutions
- Will create open source re-usable tools
- Lead institutions: Case Western, Michigan, Univ. Wisconsin/Marshfield Clinic
- Strategic goals 1,3

“Profiles” Collaboration

- Research networking prototype built on Harvard Profiles model, but spanning CTSA institutions
- Lead institutions: Harvard (Weber) and UCSF (Kahlon)
- Open source tools in development
- Strategic Goal 3

Informatics KFC Project Concept Sheets

Edit Add Tools

Added by [Choe, John](#), last edited by [Newman, Tim \(Booz Allen Hamilton\)](#) on Jan 23, 2009 [\(view change\)](#)

Instructions

Below is a summary chart of the IKFC Project Concept Sheets. To view a project's concept sheet in its entirety click the title of the project.

To add a new project, use the link below. The link will lead to a concept sheet template form. Once all the fields have been completed, use the project title as the title of the new child page and click "save." Your project will then appear in the summary view below.

[Click here if your group wishes to create a concept sheet](#)

Summary of IKFC Projects

Page ↑	Project Leader	Brief Project Description	CTSA Strategic Goal(s) Addressed by Project	Other KFCs/Expertise Required
CTSA Inventory Resource Web Presence (CIRWP)	Michael Becich, University of Pittsburgh (PI) Brian Athey, University of Michigan (co-PI)	The objective of this project is to create a web-accessible and queriable inventory of research resources of the CTSA informatics consortium. This inventory resource will serve as a demonstration prototype that enables tool and data sharing within the CTSA, and will promote synergies between various components of the CTSA consortium.	Enhancing consortium-wide collaborations (inventory of resources)	Translational KFC and Strategic Goal Committees
Data Sharing Framework Project	Jonathan Silverstein, University of Chicago Nick Anderson, University of Washington Michael Kamerick, University of California, San Francisco Doug Macfadden, Harvard	This project will collaboratively evaluate and work towards piloting approaches to providing distributed federated data sharing query frameworks of anonymized, summarized data or metadata across the integrated data repositories (IDRs) of CTSA. This is broadly considered to be a necessary step to true "identifiable" data sharing for research purposes.	Aligns with the Summer 2008 CTSA retreat report "Data Sharing Network" project which is now assigned to PIs' Strategic Goal Committee 3 as one of three key sub-areas.	Regulatory, Investigators, Translational Technologies
Human Studies Database Project	Ida Sim (UCSF, ida.sim@ucsf.edu)	We are defining an ontology (a standard data model) of human studies, for sharing and integrating databases of the key design characteristics of CTSA human studies. This database system will provide a critical infrastructure for large-scale data mining, synthesis, re-analysis, and reuse of human studies data for clinical and translational research and discovery.	Informatics KFC 1. Data Sharing Framework	Biostatistics / Epidemiology / Research Design (BERD) KFC
			Registration Tracking Taskforce	

CTSA Informatics Wiki

<https://www.ctsawiki.org/wiki/>

Add Page - Template Variables

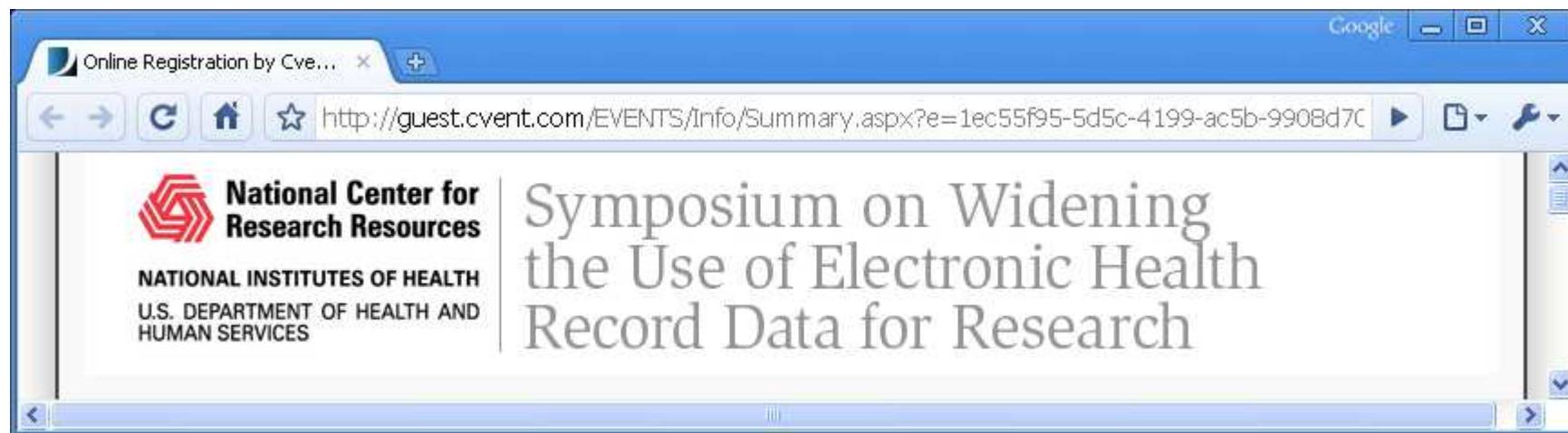
Step 2: Fill in template variables

Choose values for the variables in this template. These values will be automatically inserted into the template for you in the correct locations.

Project Title*	<input type="text"/>	(VAR1)
Project Leader*	<input type="text"/>	(VAR2)
Brief Project Description (50 words or less)*	<input type="text"/>	(VAR3)
CTSA Strategic Goal(s) Addressed by Project	<input type="text"/>	(VAR4)
Other KFCs/Expertise Required*	<input type="text"/>	(VAR5)
Background/Significance	<input type="text"/>	(VAR6)
Project Description	<input type="text"/>	(VAR7)
Project Goals/Expected Deliverables & Outcomes	<input type="text"/>	

CTSA Informatics Key Function Committee

- Face to face meeting in Natcher Center, October 28-29, 2009
- Approximately 50 podium and poster presentations of work in progress
- Companion meeting on October 30, open to all:



<http://palladianpartners.com/e-health/>