

UNIVERSITY OF WASHINGTON SCHOOL OF MEDICINE



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February 25, 2008

CTSA Solicitations

To Booz Allen Hamilton, Inc
National Center for Research Resources (NCRR):

Re: LOI for RFP-08-001 Clinical and Translational Information Exchange Environment Pilot Project

This letter is to inform you of our intent to submit a proposal in response to RFP-08-001, entitled "Clinical and Translational Information Exchange Environment Pilot Project Request for Proposals."

Title: Building a clinical translational information integration system through a collaborative development and knowledge exchange environment

The University of Washington CTSA - the Institute of Translational Health Science (ITHS), the University of California Davis CTSA - the Clinical and Translational Science Center (CTSC) and University of California San Francisco CTSA - the Clinical and Translational Science Institute (CTSI) propose a consortium to extend the Informatics for Integrating Biology and the Bedside (i2b2) architecture to translational research. We seek to directly address the urgent needs surrounding the NIH Roadmap goals of providing data integration for small to medium sized clinical studies through a unique distributed collaborative environment where experiences of real-world clinical study data integration needs inform and vet development of new i2b2 functional units (known as cells) and the results of this collaborative work is regularly distributed to both local consortium partners and the larger CTSA community.

To meet these objectives, we seek to address two complementary approaches that will lower barriers to adoption of the i2b2 platform for investigators seeking data integration solutions for clinical trials.

Approach 1: address barriers associated with regulatory burden and security by A. developing a "stand-alone" research Master Patient Index (rMPI) that can be hosted separately from the main i2b2 installation and B. implementing "row-level" security on i2b2 tables as to provide support for user and group access to any given data sets.

Approach 2: address barriers of customizing the i2b2 system to local researcher domains by A. developing a native i2b2 interface to an ontology mapper tool – allowing local driving biological problem-based ontologies to be mapped through a common environment, and B. developing a CDISC interface to provide a foundation for data access to a broad range of Clinical Trial Management Systems (CTMS).

We have received commitments of support from:

Zak Kohane, MD, PhD, Associate Professor of Medicine and Pediatrics, Harvard Medical School and Principle Investigator of the i2b2 project.

Aaron Abend, MBA, Managing Director, Recombinant Data Systems, a healthcare data warehousing company assisting in deploying i2b2 to academic medical centers.

Prime Respondent: University of Washington (CTSA funds recipient)

Principal Investigator:

Nicholas Anderson, PhD

Deputy Director, Biomedical Informatics Core, Institute of Translational Health Sciences (ITHS)

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Co-Investigator: John Gennari, PhD

Associate Professor, Department of Medical Education and Biomedical Informatics

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Co-Investigator: Peter Tarczy-Hornoch, MD

Head, Division of Biomedical Informatics

Professor, Department of Medical Education and Biomedical Informatics

Director, Biomedical Informatics Core, Institute of Translational Health Sciences (ITHS)

University of Washington

Partnering Organizations:

1. Principal Investigator: Michael Hogarth, MD, Associate Professor, Department of Pathology and Laboratory Medicine, University of California, Davis, CA

Co-Investigator: Kent Anderson, Assistant Director, Biomedical Informatics, Clinical and Translational Science Center (CTSC), University of California, Davis, CA

2. Principal Investigator: Jonathan Showstack, PhD, MPH,
Assistant Vice Chancellor, Co-Chief Information Officer, UCSF,
Co-director, Biomedical Informatics, Clinical Translational Science Institute, UCSF

Co-Principle Investigator: Michael Kamerick Director of Academic research systems, UCSF CTSI

Project Director: Rob Wynden, System Architect and Team Lead, Clinical and Translational Science Institute (CTSI), University of California, San Francisco, CA

Thank you for your consideration.

Sincerely,



Nicholas Anderson, PhD

Acting Assistant Professor; Department of Medical Education and Biomedical Informatics,

Deputy Director Biomedical Informatics Core, Institute of Translational Health Sciences (ITHS)

University of Washington, Seattle WA