New CTSC Pilot Competition
Explorys Collaborative

Title: Explorys Research Informatics Collaborative Project

Available Funds: Two (2) pilots will be awarded at $30,000 ($20,000 from the CTSC and $10,000 in-kind technical support from Explorys)

Funding period: September 15, 2013 - March 14, 2014

Deadline for applications: August 1, 2013; 11:59 pm deadline

Funding Source: Clinical Translational Science Collaborative (CTSC) and Explorys, Inc.

The purpose of this pilot funding opportunity is to innovate the use of clinical, financial, and operational data sources (Big Data) in collaboration with Explorys, Inc. ([https://www.explorys.com/](https://www.explorys.com/)) by:

- Substantial enhancement of current data collection and processing (e.g., natural language processing)
- Novel representation of data elements (e.g., next generation ontologies) for Explorys
- Novel automated analyses (e.g., predictive modeling) using Explorys
- Integration and use of new data sources (e.g., HCUP, NHANES) in Explorys products
- New areas of data visualization (e.g., an interactive D3 website) for Explorys products

The use of one or more of these approaches should have as a goal to enhance the possibility for translational medicine, comparative effectiveness studies, and clinical population studies in disease specific manner.

Successful applications will align with the Explorys Informatics areas of application. Potential targets include population health, performance management, predictive modeling, integration of clinical and administrative data, natural language processing of unstructured or semi-structured data, and novel ontologies to represent biomedical information.

These awards will require development or enhancement of a multi-disciplinary environment and investigative group. These may include (but not limited to) those with backgrounds in medicine, pediatrics, surgery, dentistry, nursing, allied health, pharmacology, clinical trials, consumer health, health care administration and management, clinical research design, urban health, epidemiology, biostatistics, biomedical informatics, economics, quality improvement, modeling systems, ethics, behavioral science, engineering, and law.

Successful applications will involve

- Two or more disciplines
Proposed innovation in clinical informatics
Alignment with a key Explorys focus area. With no more than a third of the budget on
supporting development by Explorys
Outcomes suitable for joint peer-review and subsequent dissemination or lead to
subsequent funding jointly with Explorys. (All Explorys development as part of this grant
will be Explorys intellectual property.)

REQUIREMENTS
Application will be submitted electronically no later than August 1, 2013, 11:59pm via
WebGrants, http://webgrants.case.edu/
Only one investigator can be named as PI. Additional investigators will be named co-
investigator(s)
Institution of record for a proposal is the PI's primary institution
The PI is required to be a faculty member from CTSC partner institutions

Information provided electronically must include:
A short summary of the work directed to the lay public (500 characters including spaces
based on Arial, font 11, ½" margins)
NIH biosketch of the PI and co-investigators
Dollar amounts of other grant support currently available to all investigators
IRB/IACUC approval at the time of submission is preferred. If this is not possible, a
letter for the IRB/IACUC Chair, or designee, is required to confirm that the IRB/IACUC
application is “IRB/IACUC ready” and that the review will be completed within 30 days of
submission to the IRB/IACUC. If the approval is not obtained, the award will be
rescinded.
Detailed budget and budget justification (Explorys development NTE 50 hours.)
Research proposal (pdf uploaded file, maximum 5 pages based on Arial, font 11, ½"
 margins) will include:
   - Detailed description of proposed project
   - Explorys Inc. development requested and/or needed and future impact on the
     CTSC community
   - Expected results
   - Expected timeline to implement
   - Figures may be included in the appendix and not part of the actual proposal
Grant period will be from August 15, 2013 through March 14, 2014
An award request may include
   - Maximum of $5,000 for salary support for the PI and each co-investigator.
     ($5,000 does not include fringe benefits; fringe benefits will be in addition to the
     $5,000 salary cap)
No funds will be provided for secretarial personnel, office equipment and supplies, tuition, travel, purchasing and binding of periodicals and books, dues and membership fees in scientific societies, honoraria and travel expenses for visiting lecturers, recruiting and relocation expenses, office and laboratory furniture, rental of office or laboratory space, per diem charges for hospital beds, non-medical or personnel services to patients, construction or building maintenance, or major alterations.

NOTES:
- The CTSC utilizes WebGrants online application software.
- If this is your first time using WebGrants, you will need to register online at http://webgrants.case.edu. Once you have registered, you will receive an email with your user name and password.
- Researchers should start the web-based application process and become familiar with the system at least one week prior to the submission deadline.
- The application may be saved without submission.
- For reference guides go to, http://casemed.case.edu/ctsc/researchers/tools.cfm
- All pilot award recipients must agree in writing to cite the CTSC award and Explorys on all publications resulting from awards made by the CTSC.

Publication Citation
As a reminder, the CTSC must receive acknowledgement on relevant publications. Please include the following text: "This publication was made possible by the Case Western Reserve University/Cleveland Clinic CTSA Grant Number UL1TR000439 from the National Center for Research Resources/National Center for the Advancement of Translational Science (NCRR/NCATS), a component of the National Institutes of Health and NIH roadmap for Medical Research. Its contents are solely the responsibility of the authors and do not necessarily represent the official view of NCRR or NIH.

APPLICATION INSTRUCTIONS
- Go to WebGrants (http://webgrants.case.edu/)
- Login (If you are a new user, you will need to register first.)
- Click on “Funding Opportunities”
- Click on “CTSC Explorys Themed Pilot”
- Click on “Start a New Application”
- Fill in the title of your proposal and Click on “Save”
- Click on “Go to Application Forms”
- Complete all forms (can do in multiple sessions)
- Once all forms are completed and conform to form instruction, submit your application no later than August 1, 2013; 11:59pm
• WebGrants questions or problems?
  o For technical questions or problems, email webgrants-support@case.edu or call 216.368.4669
  o For non-technical questions, email ctsc-research-concierge@case.edu
• We strongly encourage applicants to begin the application process as soon as possible.

REVIEW PROCESS
• Proposals will be reviewed by the CTSC Scientific Review Committee and Explorys. When appropriate, external reviewers will be asked to participate in the review process.
• Reviewers will rate the proposal according to the NIH Scoring Scale and provide comments as appropriate to the Committee via WebGrants.

REPORTING GUIDELINES
Grantees are required to submit a final report to the CTSC and Explorys at the completion of the award (March 14, 2014) with a plan detailing the project success.

DEADLINE FOR RECEIPT OF THE APPLICATION IS August 1, 2013; 11:59pm