

Report Information

Award Type Award Number Prime DUNS Calendar Year / Quarter Final Report

Grant 90TR0002 006471700 2011 / 2 No

Award Recipient Information

Recipient DUNS Number 006471700 Recipient Address 1 200 1ST ST SW

Recipient Account Number 92014104 Recipient Address 2

Recipient Congressional 01 Recipient City ROCHESTER
District Recipient State MN

District Recipient State MN

Parent DUNS Number 167141923 Recipient ZIP Code + 4 559050002

Recipient Type 77.80.95.A8.M8.VW Recipient Country USA
Recipient Legal Name MAYO CLINIC

Recipient DBA Name

Project / Award Information

Funding Agency Code 7500 Awarding Agency Code 7500 Program Source (TAS) Code 75-0131

Sub Account Number for Program Source

CFDA Number 93.728

Amount of Award 15000000.00

Award Date 03/19/2010

Award Description We propose research that will

generate a framework of open source services that can be dynamically configured to transform HER data into standards-conforming. comparable information suitable for large-scale analyses, inferencing, and integration of disparate health data. We will apply these services to phenotype recognition (disease, risk factor, eligibility, or adverse event) in medical centers and population-based settings. Finally, we will examine data quality and repair strategies with real-work evaluations of their behavior in Clinical and Translational Science Awards (CTSAs), health information exchanges (HIEs), and National Health Information Network (NHIN) connections. We have assembles a federated informatics research

community committed to open-

Total Number of Sub Awards less 0 than \$25,000/award

Total Amount Sub Awards less than 0.00 \$25.000/award

Total Number of Sub Awards to 0 Individuals

Total Amount of Sub Awards to 0.00 Individuals

Total Number of Payments to 81 Vendors less than \$25,000/award

Total Amount of Payments to 145055.49 **Vendors less than \$25,000/award**

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sources resources that can industrially scale to address barriers to the broad-based, facile, and ethical use of EHR data for secondeary purposes. We will collaborate to create, evaluate, and refine informatics artifacts that advance the capacity to efficiently leverage EHR data to improve care, generate new knowledge, and address population needs. Our goal is to make these artifacts available to the community of secondary EHR data users, manifest as open-source tools, services, and scalable software. In addition, we have partnered with industry developers who can make these resources available with commercial deployment. We propose to assemble modular services and agents from existing open-source software to improve the utilization of EHR data for a spectrum of use-cases and focus on three themes: Normalization, Phenotypes, and Data Quality/Evaluation. Our six projects span one ore more of these themes, though together constitute a coherent ensemble of related research and development. Finally, these services will have open-source deployments as well as commercially supported implementations. There are six strongly intertwined, mutually dependent projects, including: 1) Semantic and Syntactic Normalization 2) Natural Language Processing (NLP) 3)Phenotype Applications 4) Performance Optimization 5) Data Quality Metrics 6) Evaluation Frameworks. The first two projects align with our Data Normalization theme, with Phenotype Applications and Performance Optimization span themes 1 and 2 (Normalization and Phenotyping); while the

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last two projects correspond to our third theme.

Project Information

Project Name or Project/ Sharp Area 4: Secondary Use Program Title of HER Data

Quarterly Activities/ Project The SHARP Area 4 (SHARPn)

Description cloud computing environment, also known as "the cloud" is proudly constructed by the SHARPn infrastructure team and is basically a set of virtual machine images that can be instantiated, used, and shut down for Secondary Use of EHR Data research. The software developed by SHARPn will allow researchers and clinicians to pull together very different types of healthcare data and ask questions about disease, prevention, outcomes, and care delivery. Answering these questions requires a robust, high-quality dataset which can be generated by software in the SHARPn cloud computing environment. SHARPn hosted a roundtable for cloud-deployed clinical Natural Language Processing May 22-24 in Seattle. The roundtable brought together nationally-recognized experts in information security, key stakeholders from health care and research institutions, and representatives of leading

Activity Codes (NAICS or NTEE-NPC) (up to 10)

Activity Code 1 E06.04

Activity Code 2

Activity Code 3

Activity Code 4

Activity Code 5

Activity Code 6

Activity Code 7

Activity Code 8

Activity Code 9

Activity Code 10

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cloud service providers to identify legal, regulatory, technical and governance prerequisites for secure, regulatory-compliant processing of patient clinical information in externally-hosted computing environments ("the cloud"). SHARPn also ran a tracer-shot pilot of its UIMA Pipeline; sending de-id patients through its UIMA pipeline from Intermountain Healthcare and Mayo Clinic processing all of the stages of data normalization, clinical natural language processing, persisted in MySQL database and utilized a Drools based phenotyping process. The SHARP Area 4 held its face-toface on June 30-July1. Eightynine experts from dozens of research institutions and the federal government attended the conference at the University of Minnesota Rochester. Areas of specialization ranged from informatics and computer science to medicine and administration.

SHARP Area 4
Announcements can be found at the following url:
http://informatics.mayo.edu/sharp/index.php/Main_Page#Announcements
<http://informatics.mayo.edu/sharp/index.php/Main_Page%23Announcements>

Project Status Less than 50% completed

Total Federal Amount ARRA 2238376.94 Funds Received/ Invoiced

Number of Jobs 13.50

Description of Jobs Created Finance Professional, Medical

Imaging Analyst, Resident,

Investigator,

Analyst/Programmer, Project Mgr,Terminology Solution Architect, Project Directors, Chief Executive Officer, Chief Operating Officer, Principal

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Investigator, Research Software Developer, Data Managers, Lead Application Specialist, , Investigator, Project Manager, Programmer Analyst, Research Specialists, Research Staff Member, Medical Vocab Engineer, Software Engineer Senior, Medical Informaticist, Chief Medical Info Officer, Data Architech, Project Management Staff, Postdoctoral, Fellow, Senior Researcher, , Research Aide, Investigator, Graduate Students, Post Doctorate Researcher, Research Assistants, Assistant Professor

Total Federal Amount of ARRA 2346573.17 Expenditure

Total Federal ARRA 0.00 **Infrastructure Expenditure**

Infrastructure Purpose and Rationale

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Infrastructure Contact		
Name	Street Address 1	
Email	Street Address 2	
Phone	Street Address 3	
Ext	City	
	State	
	ZIP Code + 4	

Primary Place of Performance

Address 1 200 First Street SW

Address 2

City Rochester

Country Code US

State MN

ZIP Code + 4 55905 - 0002

Congressional District 01

Recipient Highly Compensated Officers

Prime Recipient Indication No
of Reporting Applicability
Officer 3 Compensation
Officer 1 Name
Officer 1 Compensation
Officer 2 Name
Officer 2 Compensation
Officer 2 Compensation
Officer 5 Compensation

Report Audit Trail

Created By Christina Robertson
Date Created 07/08/2011 10:06 AM
Last Updated By Christina Robertson
Last Updated On 07/12/2011 08:54 AM

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Sub Recipient 001425594 | 90TR0002-01M



Report Information

Award Type Award Number Prime DUNS Calendar Year / Quarter

Grant 90TR0002 006471700 2011 / 2

TECHNOLOGY

Sub Recipient Information

Sub Recipient DUNS 001425594 Sub Recipient Address 1 77 MASSACHUSETTS AVE

Number Sub Recipient Address 2

Sub Recipient 08 Sub Recipient City CAMBRIDGE

Congressional District Sub Recipient State MA

Sub Recipient Type 1R.A8.G6.M8.VW Sub Recipient ZIP Code + 4 021394301

Sub Recipient Legal Name MASSACHUSETTS Sub Recipient Country USA INSTITUTE OF

Sub Recipient DBA Name M | T

Sub Award Information

Sub Award Number 90TR0002-01M Amount of Sub Award 329696.00

Total Sub Award Funds 70007.50

Disbursed

Sub Award Date 12/07/2010

Sub Recipient Place of Performance

Address 1 77 Massachusetts Avenue

Address 2

City Cambridge

Country Code US

State MA

ZIP Code + 4 02139 - 4301

Congressional District 08

Sub Recipient Highly Compensated Officers

Officer 1 Name

Prime Recipient Indication No Officer 3 Name of Reporting Applicability Officer 3 Compensation

Officer 1 Compensation Officer 4 Compensation

Officer 2 Name Officer 5 Name

Officer 2 Compensation Officer 5 Compensation

Report Audit Trail

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Officer 4 Name

Sub Recipient 002563455 | 90TR0002-01B



Report Information

Award Type Award Number Prime DUNS Calendar Year / Quarter

Grant 90TR0002 006471700 2011 / 2

Sub Recipient Information

Sub Recipient DUNS 002563455 Sub Recipient Address 1 1633 BROADWAY

Number Sub Recipient Address 2

Sub Recipient 08 Sub Recipient City NEW YORK

Congressional District Sub Recipient State NY

Sub Recipient Type 2X.VN Sub Recipient ZIP Code + 4 100196708

Sub Recipient Legal Name DELOITTE CONSULTING Sub Recipient Country USA

Sub Recipient DBA Name

Sub Award Information

Sub Award Number 90TR0002-01B Amount of Sub Award 435000.00 Total Sub Award Funds 45327.59

LLP

Disbursed

Sub Award Date 09/09/2010

Sub Recipient Place of Performance

Address 1

Address 2

City Minneapolis

Country Code US

State MN

ZIP Code + 4 55402 - 1550

Congressional District 05

Sub Recipient Highly Compensated Officers

Prime Recipient Indication No Officer 3 Name of Reporting Applicability Officer 3 Compensation

Officer 1 Name Officer 4 Name

Officer 1 Compensation
Officer 2 Name
Officer 5 Name

Officer 2 Compensation Officer 5 Compensation

Report Audit Trail

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Sub Recipient 004514360 | 90TR0002-01J



Report Information

Award Type Award Number Prime DUNS Calendar Year / Quarter

Grant 90TR0002 006471700 2011 / 2

PITTSBURGH THE

Sub Recipient Information

Sub Recipient DUNS 004514360 Sub Recipient Address 1 3520 FIFTH AVE

Number Sub Recipient Address 2

Sub Recipient 14 Sub Recipient City PITTSBURGH

Congressional District Sub Recipient State PA

Sub Recipient Type A8.M8.VW Sub Recipient ZIP Code + 4 152133320

Sub Recipient Legal Name UNIVERSITY OF Sub Recipient Country USA

Sub Recipient DBA Name

Sub Award Information

Sub Award Number 90TR0002-01J Amount of Sub Award 202276.00 Total Sub Award Funds 58060.84

Disbursed

Sub Award Date 07/26/2010

Sub Recipient Place of Performance

Address 1

Address 2

City Pittsburgh

Country Code US

State PA

ZIP Code + 4 15213 - 3320

Congressional District 14

Sub Recipient Highly Compensated Officers

Prime Recipient Indication No Officer 3 Name of Reporting Applicability Officer 3 Compensation

Officer 1 Name Officer 4 Name

Officer 1 Compensation
Officer 2 Name
Officer 5 Name

Officer 2 Compensation Officer 5 Compensation

Report Audit Trail

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Sub Recipient 007431505 | 90TR0002-01K



Report Information

Award Type Award Number Prime DUNS Calendar Year / Quarter

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Sub Recipient Information

Sub Recipient DUNS 007431505

Number

Sub Recipient 02

Congressional District

Sub Recipient Type 2F.M8.OH.VW

Sub Recipient Legal Name REGENTS OF THE

UNIVERSITY OF

COLORADO, THE

Sub Recipient DBA Name UNIVERSITY OF COLORADO

Sub Recipient Address 1 3100 MARINE ST 572 UCB

Sub Recipient Address 2

Sub Recipient City BOULDER

Sub Recipient State CO

Sub Recipient ZIP Code + 4 803031058

Sub Recipient Country USA

Sub Award Information

Sub Award Number 90TR0002-01K

Amount of Sub Award 1027520.00

Total Sub Award Funds 162660.19

Disbursed

Sub Award Date 06/03/2010

Sub Recipient Place of Performance

Address 1

Address 2

City Boulder

Country Code US

State CO

ZIP Code + 4 80309 - 0000

Congressional District 02

Sub Recipient Highly Compensated Officers

Prime Recipient Indication No of Reporting Applicability

Officer 1 Name

Officer 1 Compensation

Officer 2 Name

Officer 2 Compensation

Officer 3 Name

Officer 3 Compensation

Officer 4 Name

Officer 4 Compensation

Officer 5 Name

Officer 5 Compensation

Report Audit Trail

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Sub Recipient 072955503 | 90TR0002-01H



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Award Type Award Number Prime DUNS Calendar Year / Quarter

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Sub Recipient Information

Sub Recipient DUNS 072955503

Number

Sub Recipient 01

Congressional District

Sub Recipient Type 80.A8.VW

Sub Recipient Legal Name INTERMOUNTAIN HEALTH

CARE, INC.

Sub Recipient DBA Name IHC HEALTH SERVICES,

INC.

Sub Recipient Address 1 36 S STATE ST STE 2300

Sub Recipient Address 2

Sub Recipient City SALT LAKE CITY

Sub Recipient State UT

Sub Recipient ZIP Code + 4 841111470

Sub Recipient Country USA

Sub Award Information

Sub Award Number 90TR0002-01H

Amount of Sub Award 1446933.00

Total Sub Award Funds 241841.32

Disbursed

Sub Award Date 07/20/2010

Sub Recipient Place of Performance

Address 1

Address 2

City Salt Lake City

Country Code US

State UT

ZIP Code + 4 84111 - 1470

Congressional District 01

Sub Recipient Highly Compensated Officers

Prime Recipient Indication No of Reporting Applicability

Officer 1 Name

Officer 1 Compensation

Officer 2 Name

Officer 2 Compensation

Officer 3 Name

Officer 3 Compensation

Officer 4 Name

Officer 4 Compensation

Officer 5 Name

Officer 5 Compensation

Report Audit Trail

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Sub Recipient 076593722 | 90TR0002-01A



Report Information

Award Type Award Number Prime DUNS Calendar Year / Quarter

Grant 90TR0002 006471700 2011 / 2

Sub Recipient Information

Sub Recipient DUNS 076593722 Sub Recipient Address 1 300 LONGWOOD AVE

Number Sub Recipient Address 2

Sub Recipient 08 Sub Recipient City BOSTON Congressional District Sub Recipient State MA

ngressional District
Sub Recipient State MA
Sub Recipient Type 80.A8.VW
Sub Recipient ZIP Code + 4 021155724

Sub Recipient Legal Name CHILDREN'S HOSPITAL

Sub Recipient Country USA

CORPORATION, THE

Sub Recipient DBA Name CHILDRENS HOSPITAL OF

BOSTON

Sub Award Information

Sub Award Number 90TR0002-01A Amount of Sub Award 1003728.00 Total Sub Award Funds 94851.48

Disbursed

Sub Award Date 06/17/2010

Sub Recipient Place of Performance

Address 1

Address 2

City Boston

Country Code US

State MA

ZIP Code + 4 02115 - 5724

Congressional District 08

Officer 2 Compensation

Sub Recipient Highly Compensated Officers

Prime Recipient Indication No Officer 3 Name of Reporting Applicability Officer 3 Compensation

Officer 1 Name Officer 4 Name

Officer 1 Name Officer 4 Name
Officer 1 Compensation Officer 4 Compensation

Officer 2 Name Officer 5 Name

Report Audit Trail

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Officer 5 Compensation

Sub Recipient 078198520 | 90TR0002-01E



Report Information

Award Type Award Number Prime DUNS Calendar Year / Quarter

Grant 90TR0002 006471700 2011 / 2

Sub Recipient Information

Sub Recipient DUNS 078198520 Sub Recipient Address 1 320 WESTLAKE AVE N STE

Number 10

Sub Recipient 07 Sub Recipient Address 2

Congressional District Sub Recipient City SEATTLE

Sub Recipient Type A8.VW

Sub Recipient State WA

Sub Recipient Legal Name GROUP HEALTH

Sub Recipient ZIP Code + 4 981095218

COOPERATIVE Sub Recipient Country USA

Sub Recipient DBA Name

Sub Award Information

Sub Award Number 90TR0002-01E Amount of Sub Award 689704.00 Total Sub Award Funds 71335.88

Disbursed

Sub Award Date 07/01/2010

Sub Recipient Place of Performance

Address 1

Address 2

City Seattle

Country Code US

State WA

ZIP Code + 4 98101 - 1448

Congressional District 07

Sub Recipient Highly Compensated Officers

Prime Recipient Indication No of Reporting Applicability

Officer 1 Name

Officer 1 Compensation

Officer 2 Name

Officer 2 Compensation

Officer 3 Name

Officer 3 Compensation

Officer 4 Name

Officer 4 Compensation

Officer 5 Name

Officer 5 Compensation

Report Audit Trail

Created By Christina Robertson

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Sub Recipient 084006741 | 90TR0002-01F



Report Information

Award Type Award Number Prime DUNS Calendar Year / Quarter

MACHINES CORPORATION

Grant 90TR0002 006471700 2011 / 2

Sub Recipient Information

Sub Recipient DUNS 084006741 Sub Recipient Address 1 1101 KITCHAWAN RD

Number Sub Recipient Address 2

Sub Recipient 19 Sub Recipient City YORKTOWN HEIGHTS

Congressional District Sub Recipient State NY

Sub Recipient Type 2X.VW Sub Recipient ZIP Code + 4 105980218

Sub Recipient Legal Name INTERNATIONAL BUSINESS Sub Recipient Country USA

Sub Recipient DBA Name IBM

Sub Award Information

Sub Award Number 90TR0002-01F Amount of Sub Award 714898.00 Total Sub Award Funds 66041.43

Disbursed

Sub Award Date 07/14/2010

Sub Recipient Place of Performance

Address 1

Address 2

City Yorltpwm Heights

Country Code US

State NY

ZIP Code + 4 10598 - 0218

Congressional District 19

Sub Recipient Highly Compensated Officers

Officer 1 Name

Prime Recipient Indication No Officer 3 Name of Reporting Applicability Officer 3 Compensation

Officer 1 Compensation Officer 4 Compensation

Officer 2 Name Officer 5 Name

Officer 4 Name

Officer 2 Compensation Officer 5 Compensation

Report Audit Trail

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Sub Recipient 084433759 | 90TR0002-01D



Report Information

Award Type Award Number Prime DUNS Calendar Year / Quarter

Grant 90TR0002 006471700 2011 / 2

Sub Recipient Information

Sub Recipient DUNS 084433759 Sub Recipient Address 1 15907 TWO RIVERS CV

Number Sub Recipient Address 2

Sub Recipient 31

Sub Recipient City AUSTIN

Congressional District

Sub Recipient State TX

ongressional District Sub Recipient State TX

Sub Recipient Type A8.VW Sub Recipient ZIP Code + 4 787175348

Sub Recipient Legal Name CLINICAL DATA Sub Recipient Country USA INTERCHANGE

STANDARDS CONSORTIUM,

NC

Sub Recipient DBA Name CDISC

Sub Award Information

Sub Award Number 90TR0002-01D

Amount of Sub Award 174000.00

Total Sub Award Funds 36238.00

Disbursed

Sub Award Date 05/20/2010

Sub Recipient Place of Performance

Address 1

Address 2

City Austin

Country Code US

State TX

ZIP Code + 4 78717 - 5348

Congressional District 31

Sub Recipient Highly Compensated Officers

Prime Recipient Indication No Officer 3 Name of Reporting Applicability Officer 3 Compensation

19 Applicability Officer 3 Compensation
Officer 1 Name Officer 4 Name

Officer 1 Compensation Officer 4 Compensation

Officer 2 Name Officer 5 Name

Officer 2 Compensation Officer 5 Compensation

Report Audit Trail

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Sub Recipient 152652822 | 90TR0002-01I



Report Information

Award Type Award Number Prime DUNS Calendar Year / Quarter

Grant 90TR0002 006471700 2011 / 2

Sub Recipient Information

Sub Recipient DUNS 152652822

Number

Sub Recipient 21 Congressional District

Sub Recipient Type A8.VW

Sub Recipient Legal Name RESEARCH FOUNDATION

OF STATE UNIVERSITY OF

NEW YORK, THE

Sub Recipient DBA Name RF-SUNY AT THE

UNIVERSITY AT ALBANY

Sub Recipient Address 1 1400 WASHINGTON AVE

Sub Recipient Address 2

Sub Recipient City ALBANY
Sub Recipient State NY

Sub Recipient ZIP Code + 4 122220100

Sub Recipient Country USA

Sub Award Information

Sub Award Number 90TR0002-011

Amount of Sub Award 250468.00

Total Sub Award Funds 114147.82

Disbursed

Sub Award Date 08/10/2010

Sub Recipient Place of Performance

Address 1

Address 2

City Albany

Country Code US

State NY

ZIP Code + 4 12222 - 0100

Congressional District 21

Sub Recipient Highly Compensated Officers

Prime Recipient Indication No of Reporting Applicability

Officer 1 Name

Officer 1 Compensation

Officer 2 Name

Officer 2 Compensation

Officer 3 Name

Officer 3 Compensation

Officer 4 Name

Officer 4 Compensation

Officer 5 Name

Officer 5 Compensation

Report Audit Trail

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Sub Recipient 800334984 | 90TR0002-01C



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Sub Recipient Information

Sub Recipient DUNS 800334984 Sub Recipient Address 1 5155 PARKSTONE DR

Number Sub Recipient Address 2

Sub Recipient 10 Sub Recipient City CHANTILLY

Congressional District Sub Recipient State VA

Sub Recipient Type 2X.VN Sub Recipient ZIP Code + 4 201513812

Sub Recipient Legal Name AGILEX TECHNOLOGIES, Sub Recipient Country USA

INC. Sub Recipient DBA Name AGILEX

Sub Award Information

Sub Award Number 90TR0002-01C

Amount of Sub Award 347970.00

Total Sub Award Funds 82477.96

Disbursed

Sub Award Date 06/02/2010

Sub Recipient Place of Performance

Address 1

Address 2

City Chantilly

Country Code US

State VA

ZIP Code + 4 20151 - 3812

Congressional District 10

Sub Recipient Highly Compensated Officers

Prime Recipient Indication Yes

of Reporting Applicability

Officer 1 Name Robert Otto

Officer 1 Compensation 535227.00

Officer 2 Name Mathew Warren

Officer 2 Compensation 459906.00

Officer 3 Name John Edwards

Officer 3 Compensation 350000.00

Officer 4 Name Timothy Hoescht

Officer 4 Compensation 320000.00

Officer 5 Name Wendell Ocasio

Officer 5 Compensation 309999.00

Report Audit Trail

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Sub Recipient 804355790 | 90TR0002-01N



Report Information

Award Type Award Number Prime DUNS Calendar Year / Quarter

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Sub Recipient Information

Sub Recipient DUNS 804355790

Number

Sub Recipient 53

Congressional District

Sub Recipient Type 2U.G6.M8.VW

Sub Recipient Legal Name UNIVERSITY OF

CALIFORNIA, SAN DIEGO

Sub Recipient DBA Name OFFICE OF CONTRACT &

GRANT ADMINISTRATION

Sub Recipient Address 1 9500 GILMAN DR DEPT 621

Sub Recipient Address 2

Sub Recipient City LA JOLLA

Sub Recipient State CA

Sub Recipient ZIP Code + 4 920930621

Sub Recipient Country USA

Sub Award Information

Sub Award Number 90TR0002-01N

Amount of Sub Award 327576.00

Total Sub Award Funds 0.00

Disbursed

Sub Award Date 06/30/2011

Sub Recipient Place of Performance

Address 1 9500 Gilman Drive

Address 2

City La Jolla

Country Code US

State CA

ZIP Code + 4 92093 - 0934

Congressional District 53

Sub Recipient Highly Compensated Officers

Prime Recipient Indication No of Reporting Applicability

Officer 1 Name

Officer 1 Compensation

Officer 2 Compensation

Officer 2 Name

Officer 4 Name Officer 4 Compensation

Officer 3 Compensation

Officer 5 Name

Officer 3 Name

Officer 5 Compensation

Report Audit Trail

Created By Christina Robertson

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Sub Recipient 833206399 | 90TR0002-01L



Report Information

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Sub Recipient Information

Sub Recipient DUNS 833206399 Sub Recipient Address 1 600 E Crescent Ave Ste 205

Number Sub Recipient Address 2

Sub Recipient 05 Sub Recipient City Upper Saddle River

Congressional District Sub Recipient State NJ

Sub Recipient Type Sub Recipient ZIP Code + 4 07458

Sub Recipient Legal Name Centerphase Solutions Inc.

Sub Recipient Country US

Sub Recipient DBA Name

Sub Award Information

Sub Award Number 90TR0002-01L

Amount of Sub Award 87000.00

Total Sub Award Funds 43500.00

Disbursed

Sub Award Date 05/20/2010

Sub Recipient Place of Performance

Address 1

Address 2

City Upper Saddke River

Country Code US

State NJ

ZIP Code + 4 07458 - 1846

Congressional District 05

Sub Recipient Highly Compensated Officers

Prime Recipient Indication No Officer 3 Name of Reporting Applicability Officer 3 Compensation

Officer 1 Name Officer 4 Name

Officer 1 Compensation Officer 4 Compensation
Officer 2 Name Officer 5 Name

Officer 2 Compensation Officer 5 Compensation

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