



United States Environmental
Protection Agency
Washington, DC 20460

Interagency Agreement

Amendment

Part 1 - General Information

1. EPA IAG Identification Number DW-75-92239501 - 0		4. Funding Location by Region EPA HQ							
2. Other Agency IAG ID Number Y3-HG-7026-01		5. Program Office Abbreviation Office of Research and Development							
3. Type of Action New									
6. Name and Address of EPA Organization US Environmental Protection Agency ORD, NCCT 4930 Page Rd., MD-B-205-01 Research Triangle Park, NC 27711 DUNS: 029128894		7. Name and Address of Other Agency Department of Health & Human Services-NIH 9800 Medical Center Drive, MSC: 3370 Bethesda, MD 20892-3370 DUNS: 927645168							
8. Project Title and Description qHTS of Environmental chemicals To conduct collaborative research with the NIH Chemical Genomics Center and test chemicals being evaluated in NCCT's Toxcast project utilizing the high throughput screening assays being used in NCGC									
9. EPA Project Officer (Name, Address, Phone Number) Keith Houck 4930 Page Rd., MD-D-343-03 Research Triangle Park, NC 27711 919-541-5519		10. Other Agency Project Officer (Name, Address, Phone Number) Christopher Austin, DHHS/NIH 9800 Medical Center Drive, MSC: 3370 Bethesda, MD 20892-3370 301-217-5733							
11. Project Period 11/01/2006 to 10/31/2011		12. Budget Period 1110112006 to 1013112011							
13. Scope of Work . See attached. Commitment verified on 9-29-06 by MM Treasury Symbol 686170107 EPA Grants Specialist for this IAG is Michelle Messick 202-564-5358									
14. Statutory Authority for Both Transfer of Funds and Project Activities Toxic Substances Control Act: Sec. 26			15. Other Agency Type Federal Agency						
Funds	Previous Amount	Amount This Action	Amended Total						
16. EPA Amount		\$100,000	\$100,000						
17. EPA In-Kind Amount		\$9,000	\$9,000						
18. Other Agency Amount			\$0						
19. Other Agency In-Kind Amt.		\$12,500	\$12,500						
20. Total Project Cost		\$121,500	\$121,500						
21. Fiscal									
Site Name	DCN	FY	Approp.	Budget Org.	PRC	Object	Site/Project	Cost Org.	Obligation
	60C122	0607	C	26600NN	405FA6A	2571			100,000
									100,000

Part II - Approved Budget

EPA IAG Identification Number

DW-75-92239501-0

22. Budget Categories

	Itemization of This Action	Itemization of Total Project Estimated Cost to Date
(a) Personnel	\$59,500	\$59,500
(b) Fringe Benefits		\$0
(c) Travel		\$0
(d) Equipment		\$0
(e) Supplies	\$60,000	\$60,000
(f) Procurement Assistance		\$0
(g) Construction		\$0
(h) Other <i>equip. maintenance</i>	\$2,000	\$2,000
(i) Total Direct Charges	\$121,500	\$121,500
(j) Indirect Costs: Rate % Base \$	\$0	\$0
(k) Total (EPA Share 89.71 %) (Other Agency Share 10.29 %)	\$121,500	\$121,500

23. Is equipment authorized to be furnished by EPA or leased, purchased, or rented with EPA funds? Yes No

(Identify all equipment costing \$1,000 or more)

24. Are any of these funds being used on extramural agreements? (See Item 22f.) Yes No

Type of Extramural Agreement Grant Cooperative Agreement Procurement

Contractor/Recipient Name (if known)	Total Extramural Amount Under This Project	Percent Funded by EPA (if known)
	Total \$0.00	

Part III - Funding Methods and Billing Instructions

25. (Note: EPA Agency Location Code (ALC) - 68010727)

Disbursement Agreement Request for repayment of actual costs must be itemized on SF 1080 and submitted to the Financial Management Office, Cincinnati, OH 45268-7002:

Repayment Monthly Quarterly Upon Completion of Work

Advance Only available for use by Federal agencies on working capital fund or with appropriate justification of need for this type of payment method. Unexpended funds at completion of work will be returned to EPA. Quarterly cost reports will be forwarded to the Financial Management Center, EPA, Cincinnati, OH 45268-7002.

Allocation Transfer-Out Used to transfer obligational authority or transfer of function between Federal agencies. Must receive prior approval by the Office of Comptroller, Budget Division, Budget Formulation and Control Branch, EPA Hdqtrs. Forward appropriate reports to the Financial Reports and Analysis Branch, Financial Management Division, PM-226F, EPA, Washington, DC 20460.

- 26.
- Reimbursement Agreement
 - Repayment
 - Advance
 - Allocation Transfer-In

Funding Agency's Treasury Symbol One-Year Two-Year No-Year

Other Agency's IAG Identification Number Y3-HG-7026-01 EPA Program Office Allowance Holder/Resp. Center No.

Other Agency's Billing Address (include ALC or Station Symbol Number)
 Division of Accounting Operations
 National Institutes of Health
 31 Center Drive, MSC 2045

Other Agency's Billing Instructions and Frequency

IAG Terms and Conditions

1. When requesting payments, a breakdown of the cost associated with the billing request must be provided to the EPA Project Officer. This information should allow the Project Officer to determine that costs billed to EPA are necessary and reasonable. If this information is not provided, the EPA Project Officer will notify FMD to suspend or charge back the payment of the invoice.
2. With regard to the National Institutes of Health (NIH) this agreement is made under the authority of the Economy Act, 31 U.S.C. 1535, and other relevant laws and regulations.
HW 12/12/06

Statement of Work

Quantitative High-Throughput Screening (qHTS) of Environmental Chemicals

The objectives of this Interagency Agreement are:

1. To increase the likelihood of success of the **EPA's** Toxcast project for chemical prioritization by expanding the diversity of biological assays available to the program.
2. To expand the diversity of compounds being screened by NCGC and thus potentially lead to additional probes as well as novel insights into mechanisms of toxicity.

Milestones/timeline for Year 1 of the Project:

Oct -December 2006:

1. EPA will provide to the NCGC up to **1408** chemicals properly formatted for inclusion in the NCGC qHTS program, as well as required information to register the chemicals in PubChem.
2. NCGC will provide copies of **SOPs** to be used in testing of the **EPA's** chemicals prior to testing.
3. NCGC and EPA will consult to select 1-5 assays to be acquired by the NCGC for inclusion in the qHTS program.
4. NCGC will acquire the selected assays from **#1** and validate them for qHTS.
5. NCGC will test the chemicals sent from the EPA in the assays validated in **#3**.
6. Results from the qHTS will be deposited in PubChem by NCGC.
7. NCGC will include the EPA chemical set in the general MLI screening library for all qHTS assays conducted at NCGC.
8. There will be periodic teleconferences to discuss selection of chemicals, progress, results and next steps.

Jan- Sept 2007:

1. EPA and NCGC will continue to meet and consult to select 1-5 assays per quarter for inclusion in the NCGC qHTS program.
2. EPA and NCGC will meet and consult to discuss results of screening to adjust screening parameters such as screening concentration, 'specific chemicals included in the testing set, interpretation of results, etc.
3. EPA may provide additional chemicals up to **1408** for inclusion in 'the qHTS testing.
4. EPA and NCGC will work together to define work to be carried out during Year 2 of this project.
5. Periodic teleconference will continue as noted in **#7** above.

Deliverables:

During Year 1, the deliverables will be the screening of 4-20 validated assays and the deposition of results into PubChem. It is not anticipated that additional reports or data will be necessary. However, if there are any difficulties depositing the data into PubChem, EPA will require the data in an agreed upon **format**.

Milestones and Deliverables for Year 2:

1. Continued assay selection, validation and screening of chemicals.
2. Numbers of assays similar to Year 1.
3. Details will be discussed and agreed upon by both parties.

Department of Health and Human Services
National Institutes of Health
Agency Agreement and Clearance

- Intra-agency Agreement (within NIH)
 Inter-agency Agreement (outside NIH)

Title of the Agreement
qHTS of Environmental Chemicals

Summary of Substance of the Agreement (include purpose, resources committed: funds, personnel, equipment, facilities, etc.)

United States Environmental Protection Agency (EPA) will conduct collaborative research with the NIH/NHGRI Chemical Genomics Center and test chemicals being evaluated in NCCT's Toxcast project utilizing the high throughput screening assays being used in NCGC.

Agency Agreement Number
Issuing Agency: DW-75-92239501-0
Receiving Agency: Y3-HG-7026-01

Delegations of Authority Under the Agreement
Section 301 of the Public Health Service Act
(42 USC 241) and Section 601 of the
Economy Act of 1932 as amended (31 USC
1535)

Paying Agency
Agency Location Code:
68010727
Address:
EPA/Finance Office
26 West Martin Luther King Drive
Cincinnati, Ohio 45268
EIN: 152085269502
DUNS: 029128894

Receiving Agency
Agency Location Code:
75080031
Address:
Division of Accounting Operations
NIH
31 Center Dr., MSC 2045
Bethesda, MD 20892
DUNS: 927645168 EIN: 152085811501

Period of the Agreement
1010112006 - 913012007

Accounting Information						
Paying Federal Agency	Agreement Number (for NIH Y1/Y2)	Appropriation	CAN	Amount	Signatories Name, Title	Date
EPA	DW-75-92239501-0			\$100,000	Robert J. Kavlock, Director, NCCT. EPA	
					Betty Utterback, Chief Grants Operations Branch B, EPA	
					(See Attached EPA Forms for signatures)	
Accounting Information						
Receiving Federal Agency	Agreement Number (for NIH Y3)	Appropriation	CAN	Amount	Signatories (Name, Title)	Date
NIH/NHGRI	Y3-HG-7026-01	75-7-0891	7-8371733	\$100,000	Eddie Rivera, Budget Officer, NHGRI	
					(See Attached EPA Forms for signature)	

NIH Project Officer, ICD, Phone
Christopher Austin NHGRI, 301-217-5733

NIH Administrative/Budget Office Contact, ICD, Phone
Mike Lacy, NHGRI, 301-594-5121

DHHS/NIH Clearances	ICD	AO/OD/OCD	HCD/OD/OCD	NIEM BO	OD BO	OFM-GOV'T ACCTS				
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