

United States Department of Energy Washington, D.C. 20585 DOE Interagency Agreement Amendment Part I-General Information	1. DOE IA Identification (ID) No.: <b>DE-AI01-01EH01038</b>	4. TA No.:
	2. Servicing Agency IA ID No. (If known):	5. Modification No.: <b>A000</b>
	3. DOE Procurement Request No.: <b>01-EH-01038.000</b>	

6. Name and Address of DOE Technical Office: <b>Office of Health Programs EH-6/270CC 19901 Germantown Rd. Germantown, MD 20874- 1290</b>	7. Name and Address of Servicing Agency: <b>National Cancer Institute Radiation Epidemiology Branch EPS, Room 7 102 Bethesda, MD 20892-7238</b>
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8. Project Title: **U.S./Belarus/Ukraine Joint Research on the Biomedical Effects of the Chernobyl Reactor Accident (HS-13)**

9. DOE Project Officer (Name, Address, Phone No.): <b>Barrett Fountos U.S. Department of Energy Office of Health Programs EH-6/270CC 19901 Germantown Rd. Germantown, MD 20874- 1290 Tel: 301-903-6740</b>	10. Servicing Agency Project Officer (Name, Address, Phone No.): <b>Ihor J. Masnyk, Ph.D. Radiation Epidemiology Branch National Cancer Institute EPS, Room 7102 Bethesda, MD 20892-7238 Tel: 301-594-7659</b>
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11. Project Period: <b>09/01/01 - 08/31/06</b>	12. Budget Period: <b>09/01/01 - 08/31/02</b>
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13. Scope of Work: See attached Scope of Work (Exhibit 1)

14. Deliverables/Reporting Requirements: See attached Reporting Requirements Checklist (Exhibit 2)

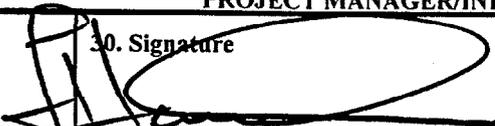
15. (a) This IA is issued pursuant to the Economy Act of 1932, as amended (31 U.S.C. 1535)  Yes  No  
 (b) This IA is issued to provide Financial Assistance support for Project Activities  Yes  No  
 If yes, provide Statutory Authority

Funds/Obligations	Previous Amount	Amount This	Amended Total
16. DOE Amount	\$0	\$32,427	\$32,427
17. DOE In-Kind Amount	\$0	\$0	
18. Servicing Agency Amount	\$0	\$0	
19. Servicing Agency <b>In-Kind</b> Amount	\$0	\$0	
20. Total Project Cost	<b>\$4,000,000</b>		

21. DOE FUNDS COMMITTED

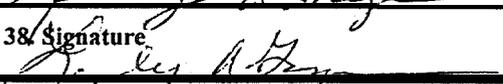
22. App. Symbol	23. B&R No.	24. Dollar Amt.	25. Allot.	26. Object	27. AFP	28. CFA
89X0243.91	HD2006300	\$32,427	CR1391	0250	ENTF	11933028

PROJECT MANAGER/INITIATOR

29. Name <b>Frank Hawkins</b>	30. Signature 	31. Date <b>8/7/01</b>	32. Office Code: <b>EH-6</b>
			33. Telephone No.: <b>903-2476</b>

PROGRAMS OFFICIALS, We hereby certify that the funds cited in items 22-28 are being appropriately used.

34. Reviewing Official's Name <b>Geoffrey J. Judge</b>	35. Signature 	36. Date <b>8/8/01</b>
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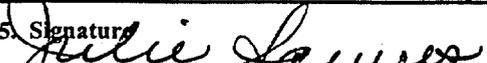
37. Budget Official's Name <b>Lesley Gasperow</b>	38. Signature 	39. Date <b>8/8/01</b>
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40. Type of Procurement Action (TPA) Code	41. Negotiator Code
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42. Security. Will employees require security clearances for performance of this procurement?  Yes  No

43. Energy Policy Act. Is this procurement subject to the Energy Policy Act of 1992 (EPACT); i.e., will it directly satisfy an EPACT requirement or objective?  Yes  No If yes, does it involve either a research and development program or a demonstration of a commercial application?  Yes  No If yes, see the Notice related to this item. Amount of EPACT funding:

CERTIFYING OFFICIAL, I hereby certify that the funds cited in item 24 are available.

44. Name	45. Signature 	46. Date <b>8/9/01</b>
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47. Initiating Official/Local Office Use

Part II - Approved Budget - DOE Contribution Plus Servicing Agency Contribution		Doe IA ID No.: <b>DE-AI01-01-EH01038.000</b>	
48. Budget Categories	Itemization of This Action	Itemization of Previous Actions	Itemization of All Actions to Date
(a) Personnel			
(b) Fringe Benefits			
(c) Travel			
(d) Equipment			
(e) Supplies			
<b>(f)</b> Procurement/Assistance	\$32,427	\$0	\$32,427
(g) Construction			
(h) Other			
(I) Total Direct Charges			
<b>(j)</b> Indirect Costs: Rate % Base \$			
(k) <b>Total</b>	\$32,427	\$0	<b>\$32,427</b>
(DOE Share 100%) (Servicing Agency Share %)			
49. Is equipment authorized to be furnished by DOE or leased, purchased, or rented with DOE funds? <input type="checkbox"/> Yes <input type="checkbox"/> No (Identify all equipment costing \$1,000 or more) N/A			
50. Are any of these funds being used on contracts and/or financial assistance <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (See item 48f)			
Type of Contract <b>and/or</b> Financial Assistance <input type="checkbox"/> Grant <input checked="" type="checkbox"/> Cooperative Agreement <input type="checkbox"/> Procurement (includes small purchase order)			
Contractor/Recipient Name Columbia University	Total Extramural Amount Under This Project	Percent Funded by DOE (if known)	
Part III - Funding Methods and Billing Instructions			
51. Funds-Out Agreement/Disbursement Agreement			
<input checked="" type="checkbox"/> Reimbursement, or Request for repayment of actual costs must be itemized on OPAC or other Form previously approved by DOE's Contracting Officer and submitted to the U.S. Department of Energy, Accounts Payable Division, P.O. Box 500, Germantown, MD 208750500. Quarterly cost reports will be forwarded to the U.S. Department of Energy, Accounts Payable Division, P.O. Box 500, Germantown, MD 20875-0500. <input type="checkbox"/> Progress			
<input type="checkbox"/> Monthly <input checked="" type="checkbox"/> Quarterly <input type="checkbox"/> Upon Completion of Work			
<input type="checkbox"/> Advance Only available for use by Federal agencies on working capital funds or with appropriate justification of need for this type of payment method. Unexpended funds at completion of work will be returned to DOE. Quarterly cost reports will be forwarded to the U.S. Department of Energy, Accounts Payable Division, P.O. Box 500, Germantown, MD 208750500.			

Part IV - Acceptance Conditions	DOE IA ID No. DE-AI01-01-01EH01038.000
<p>52. General Conditions</p> <p>The Servicing Agency covenants and agrees that it will expeditiously initiate and complete the project for which funds have been awarded under this agreement.</p>	
<p>Special Conditions:</p> <p>A. <u>Patents and Technical Data.</u> Disposition of rights to inventions made in any contract, grant, or cooperative agreement under this Agreement with any small business <b>firm</b> or domestic nonprofit organization will be in accordance with 35 U.S.C. 200-212. In all other contracts, grants, or cooperative agreements under this agreement, the Servicing Agency shall coordinate the disposition of rights to inventions with the DOE Patent Counsel.</p> <p>B. <u>Issue Resolution.</u> Unless otherwise indicated below, it is expected that programmatic guidance will be handled through discussions between the staff of the Servicing Agency's Project Officer listed on the Face Page, item 10 and the DOE Project Officer, Face Page, item 9. Any administrative issues including billing questions, unresolved items or issues requiring a formal change to this Agreement shall be addressed to the DOE Contracting Officer, page 3 of 3, item 54.</p> <p>C. <u>Termination.</u> DOE may terminate this Agreement upon 30 calendar days written notice of such termination addressed to the Servicing Agency. In the event of such termination the Servicing Agency shall be reimbursed, to the extent permitted, for obligations actually incurred to the effective date of the termination and for commitments extending beyond the effective date of termination to a date not later than the date upon which the Agreement would have expired if not terminated under this paragraph, which the Servicing Agency, in the exercise of due diligence, is unable <b>to</b> cancel. Payments under this Agreement, including payments under this article shall not exceed the amount(s) committed under this Agreement.</p> <p>D. <u>Other.</u> Government estimate for the Project Period shown in Block 11 is <b>\$4,000,000</b></p>	
<p><b>PART V - OFFER AND ACCEPTANCE</b></p>	
<p>Note: The agreement/modification must be accepted by the Servicing Agency official in duplicate and one original returned to the party named in item 54. The agreement/modification must be forwarded to the address cited in Item 54 after acceptance signature.</p> <p>Receipt of a written refusal or failure to return the properly executed document will result in rejection of all payment requests to the DOE's Controller's Office.</p>	
DOE IA Awarding and Administrative <b>Office</b> (for Administrative Assistance)	DOE Program <b>Office</b> (for Technical Assistance)
<p>54. Organization/Address Steven C. Jones, MA-542 Headquarters Procurement Services J.S. Department of Energy 1000 Independence Ave., S.W. Washington, D.C. 20585</p>	<p><b>55. Organization/Address</b> Barry Fountos Office of Health Programs EH-6/270CC 1990 I Germantown Rd. Germantown, MD 20874-1290</p>
<p><b>CERTIFICATION</b></p> <p>411 signers certify that the statements made on this form and all attachments thereto are true, accurate, and complete.</p>	
<p>Department of Energy Contracting Officer</p>	
 56. Signature	<p>Beth A. Tomasoni, Contracting Officer Typed Name and Title</p>
<p>8/21/01 Date</p>	
<p>Acceptance by the Authorizing Official on Behalf of the Servicing Agency</p>	
57. Signature	I Typed Name and Title
I Date	

**Chernobyl Health Effects Studies  
Funds Out Interagency Agreement (FOIA)  
between  
The Department of Energy (DOE)  
and the National Cancer Institute (NCI)**

**SCOPE OF WORK - Exhibit 1**

**General**

The FOIA is the contractual mechanism by which DOE transfers funds to NCI for the continued joint sponsorship of the Chernobyl Health Effects Studies. This Statement of Work sets forth the requirements by which DOE and NCI will conduct business pursuant to the FOIA.

In progress are three epidemiologic studies of the adverse health effects of exposure to radiation as a result of the Chernobyl accident on April 26, 1986: the Belarus American Thyroid Study; the Ukraine American Thyroid Study; and the Ukraine American Leukemia Study. DOE will provide NCI funds up to \$800,000 per year for 5 years for performing the activities necessary to successfully support the three studies. NCI will contribute at least matching funds each year to conduct these studies.

In consultation with working groups of experts with appropriate expertise, such as the Binational Advisory Groups for the thyroid studies and the working group for the leukemia study, NCI will continue to:

- Assume **full** responsibility for the design, implementation, analysis, and scientific interpretation of thyroid and leukemia epidemiologic studies in Belarus and Ukraine;
- Manage, coordinate, and oversee all ongoing activities;
- Assume responsibility for all **official** policy, management issues, and all financial matters; and
- Serve as the sole source of all **official** contacts for project-related communications between all participating entities; i.e., U.S. agencies, contractors, advisors, consultants, and Belarussian and Ukrainian organizations and personnel.

NCI will invite DOE staff as observers to the Chernobyl Oversight Panel meetings, to quarterly oversight meetings in Belarus and Ukraine, as well as other relevant meetings, such as the Trilateral Annual Meeting on Collaborative Chernobyl Thyroid Research Projects, the thyroid Binational Advisory Group meetings, and the leukemia working group meetings.

**SCOPE OF WORK - Exhibit 1**

**Deliverables and Due Dates**

NCI will provide DOE copies of all reports, minutes of meetings, and other documentation related to these studies as indicated below:

<b>Title</b>	<b>Frequency</b>	<b>Due Date(s)</b>	<b>Recipient(s)</b>
NCI 5-Year Management Plan (5-Year Goals and Strategies to Accomplish the Goals)	Once	November 1, 2001	Fountos
NCI 5-Year Projected Budget (each fiscal year plus 5-year total)	Once	November 1, 2001	Fountos, Fox
Scientific and Management Progress Report	Semiannually	April 30, October 30	Fountos
Progress Reports from Belarus (thyroid study), Ukraine (thyroid study and leukemia study), and Columbia University	Quarterly	As received by NCI	Fountos
NIH Financial Report of Individual Contract (NIH Form 2706) for Columbia University	Quarterly	March 15, June 15, September 15, December 15	Fountos, Fos
Chernobyl Research Unit (CRU) Budgeted, Obligated and Projected Funds	Annually	April 30	Fountos, Fos
CRU End of Fiscal Year Obligations	Annually	October 30	Fountos, Fox
Chernobyl Oversight Panel Agenda and Meeting Minutes	As Needed	60 days after meeting -	Fountos
NCI 5-Year Summary Scientific and Management Progress Report	Once	November 1, 2006	Fountos
NCI Final Cost Report	Once	November 1, 2006	Fountos, Fox

Reports and deliverables specified above should be sent to the following individuals:

Barrett N. Fountos  
 Program Manager  
 Department of Energy  
**Office of Health Programs**  
 EH-6/270CC  
 1990 I Germantown Road  
 Germantown, MD 20874- 1290

Timothy S. Fox  
 Department of Energy  
**Office of Budget and Administration**  
 EH-71/270CC  
 19901 Germantown Road  
 Germantown, MD 20874- 1290

1. Program/Project Title <b>U.S./Belarus/Ukraine</b> Joint Research on the Biomedical Effects of the Chernobyl Reactor Accident		2. Identification number <b>DE-AI01-01-EH01038</b>	
3. Participant Name and Address National Cancer Institute Radiation Effects Branch EPN, Suite 530 Bethesda, MD 20892-7391			
4. Planning and Reporting Requirements			
A. General Managements		E. Financial Incentives	
<input checked="" type="checkbox"/> Management Plan <input type="checkbox"/> Status Report <input checked="" type="checkbox"/> Summary Report		<input checked="" type="checkbox"/> Statement of Income and Expense <input type="checkbox"/> Balance Sheet <input type="checkbox"/> Cash Flow Statement <input type="checkbox"/> Statement of Changes in Financial Position <input type="checkbox"/> Loan <b>Drawdown</b> Report <input type="checkbox"/> Operating Budget <input type="checkbox"/> Supplementary Information	
B. Schedule/Labor/Cost		F. Technical	
<input checked="" type="checkbox"/> Milestone Schedule/Plan <input type="checkbox"/> Labor Plan <input type="checkbox"/> Facilities Capital Cost of Money Factors Computation <input type="checkbox"/> Contract Facilities Capital and Cost of Money <input type="checkbox"/> Cost Plan <input checked="" type="checkbox"/> Milestone Schedule/Status <input type="checkbox"/> Labor Management Report <input type="checkbox"/> Cost Management Report		<input type="checkbox"/> Notice of Energy <b>RD&amp;D</b> Project (Required with any of the following) <input checked="" type="checkbox"/> Technical Progress Report <input type="checkbox"/> Draft for Review <input type="checkbox"/> Final for Approval <input type="checkbox"/> Topical Report <input checked="" type="checkbox"/> Final Technical Report <input type="checkbox"/> Draft for Review <input type="checkbox"/> Final for Approval <input type="checkbox"/> Software <input checked="" type="checkbox"/> Other (Specify) <b>Budget Request Form</b>	
C. Exception Reports			
<input type="checkbox"/> Conference Record <input type="checkbox"/> Hot Line Report			
D. Performance Measurement			
<input type="checkbox"/> Management Control System Description <input type="checkbox"/> WBS Dictionary <input type="checkbox"/> Index <input type="checkbox"/> Element Definition <input type="checkbox"/> Cost Performance Reports <input type="checkbox"/> Format 1 - WBS <input type="checkbox"/> Format 2 - Function <input type="checkbox"/> Format 3 - Baseline			
5. Frequency Codes A - As Required C - Change to Contractual Agreement F - Final (end of effort) M - Monthly O - Once After Award Q - Quarterly S - Semi-annually X - With Proposal/Bid/Application or Y - Yearly or Upon Renewal of Agreement			
6. Special Instructions (Attachments)			
<input type="checkbox"/> Report Distribution <b>List/Addressees</b> <input type="checkbox"/> Reporting Elements <input type="checkbox"/> Due Dates		<input type="checkbox"/> Analysis Thresholds <input type="checkbox"/> Work Breakdown Structure <input type="checkbox"/> Other	
7. Prepared by (Signature and Date) <b>Due Anderson</b>		8. Reviewed By (Signature and Date) Barrett Fountos	

Reports specified on the Reporting Requirements Checklist should be sent to the following:

**Barrett Fountos**  
Department of Energy  
Office of International Health Programs  
EH-63/270 CC  
1990 1 Germantown Rd.  
Germantown, MD 20874-1 290

Rick Updegrove  
Department of Energy  
Office Budget and Administration  
EH-71/270CC  
1990 1 Germantown Rd.  
Germantown, MD 20874- 1290