Limited Submission Funding Opportunities

National Institute of Environmental Health Sciences (NIEHS)

Three opportunities: Children's Health Exposure Analysis Resource (CHEAR)

Opportunity #1: National Exposure Assessment Laboratory Network (U2C)
Opportunity #2: Data Repository, Analysis and Science Center (U2C)
Opportunity #3: Coordinating Center (U24)

Summary of funding opportunities:
CHEAR is a multi-unit infrastructure to provide access to comprehensive exposure analysis of biological samples to existing epidemiological and clinical studies involving research in children’s health. CHEAR will advance our understanding of the impact of environmental exposures on children’s health and development.

CHEAR will enable the children's health research community to enhance and build on their existing studies by expanding the capability or capacity of measuring both chemical and non-chemical stressors that effect children's wellbeing and development. Exposures measured by CHEAR will encompass the breadth of the exposome, the totality of biological, psycho-social, chemical, and physical exposures through the use of both comprehensive targeted and non-targeted methods of analysis. This definition of the environment includes exposures associated with lifestyle and the social environment to the extent that they can be measured within the infrastructure provided by CHEAR.


This FOA solicits a network of laboratories providing a comprehensive suite of laboratory-based analytical services for samples derived from extant or ongoing children's health studies in the extramural research community. Each laboratory center (Hub) within the network will provide analysis of environmental and endogenous exposures through both targeted and untargeted approaches. Each Hub will also provide analyses of biological response indicators such as DNA damage, oxidative stress, immune/inflammation indicators and other molecular markers. Hubs will incorporate a developmental core to develop novel measures for exposures and responses, expanding the number of current, commonly measured analytes, and developing new methods for detecting analytes in other biological matrices, in addition to serum, plasma or urine.

LIMIT ON NUMBER OF PROPOSALS PER ORGANIZATION
Only one application per institution is allowed.
**KEY DATES**
If you are interested in this funding opportunity, please send a one-page summary of the proposed research and your biosketch to Eric Boberg (e-boberg@northwestern.edu) by March 16, 2015.

The sponsor application due date is April 30, 2015.

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**Opportunity #2: Data Repository, Analysis and Science Center (U2C)(RFA-ES-15-010)**


The CHEAR Data Center will provide access to tools to incorporate and extend exposure analysis on an exposome scale by providing the following data and analytic infrastructure: a Data Repository and Management Core; a Statistical Services and Methods Development Resource; and a Data Science Resource described in detail below.

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**KEY DATES**
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**Opportunity #3: Coordinating Center (U24)(RFA-ES-011)**


The CHEAR Coordinating Center will serve as the administrative hub and external access point for CHEAR, managing the flow of materials, data, and analyses between CHEAR units and participating investigators. In addition, the coordinating center will support administrative functions such as convening steering committee and CHEAR meetings, and organize communication and outreach activities.

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**KEY DATES**
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COLLABORATION OPPORTUNITIES
The Office of Research Development offers assistance in identifying and facilitating collaborations, putting together interdisciplinary teams, programmatic and administrative development of large, cross-school proposals, and leveraging institutional resources for outreach and education. Contact Fruma Yehiely (yehiely@northwestern.edu), Director of ORD, for more information.

CONTACT AND ADDITIONAL INFORMATION
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Limited Submissions web site: http://www.research.northwestern.edu/ord/funding/limited-submissions/