

Dated: August 23, 2010.

Leslie Kux,

Acting Assistant Commissioner for Policy.

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DEPARTMENT OF HEALTH AND HUMAN SERVICES

Substance Abuse and Mental Health Services Administration

Fiscal Year (FY) 2010 Funding Opportunity

AGENCY: Substance Abuse and Mental Health Services Administration, HHS.

ACTION: Notice of Intent to award a Single Source Supplement Grant to the National Center for Mental Health Promotion and Youth Violence Prevention at Educational Development Corporation (EDC) of Newton, Massachusetts.

SUMMARY: This notice is to inform the public that the Substance Abuse and Mental Health Services Administration (SAMHSA) intends to award approximately \$250,000 for up to fifteen months to expand grant activities funded under the Technical Assistance Center for Mental Health Promotion and Youth Violence Prevention to implement a Back to School media campaign targeted at the Gulf Coast schools impacted by the Deepwater oil spill. This is not a formal request for applications. This award is contingent upon the availability of funding. Assistance will be provided only to the current grantee of the Technical Assistance Center for Mental Health Promotion and Youth Violence Prevention based on the receipt of a satisfactory application that is approved by an independent review group.

Funding Opportunity Title: SM-10-020.

Catalog of Federal Domestic Assistance (CFDA) Number: 93.243.

Authority: Sections 501(d)(5), 501(d)(18), 520A, 231, of the Public Health Service (PHS) Act [42 U.S.C. 290aa; 42 U.S.C. 290bb-32, 42 U.S.C. 238, respectively].

Justification: Only an application from the current grantee, National Center for Mental Health Promotion and Youth Violence Prevention at Educational Development Corporation (EDC), will be considered for funding under this announcement. Fifteen-months funding may become available to implement a Back to School Media Support for Gulf Coast States Impacted by the Deepwater Oil Spill grant. The current grantee will provide technical assistance and is in a unique position to

address the needs of communities rapidly. This Center currently provides technical assistance and training to strengthen the capacity of active Safe Schools/Healthy Students grantees to sustain the use of evidence-based strategies for mental health promotion and school violence prevention. There is no other potential organization with the required access and expertise.

Eligibility for this program supplement is restricted to the current grantee, National Center for Mental Health Promotion and Youth Violence Prevention at Educational Development Corporation (EDC). Eligibility is limited because the magnitude of the Deepwater Horizon oil spill and its impact on the residents of the Gulf Coast region have led to an urgent need for disaster behavioral health communications services targeting school aged children, youth and their families. This supplement will serve to maximize efficiencies created under the current services infrastructure. It would be inefficient and duplicative to fund additional technical assistance services for a Back to School Media Support for Gulf Coast States Impacted by the Deepwater Oil Spill grant through a second organization.

Contact: Shelly Hara, Substance Abuse and Mental Health Services Administration, 1 Choke Cherry Road, Room 8-1095, Rockville, MD 20857; *telephone:* (240) 276-2321; *E-mail:* shelly.hara@samhsa.hhs.gov.

Dated: August 23, 2010.

Toian Vaughn,

SAMHSA Committee Management Officer.

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DEPARTMENT OF HEALTH AND HUMAN SERVICES

National Institutes of Health

Government-Owned Inventions; Availability for Licensing

AGENCY: National Institutes of Health, Public Health Service, HHS.

ACTION: Notice.

SUMMARY: The inventions listed below are owned by an agency of the U.S. Government and are available for licensing in the U.S. in accordance with 35 U.S.C. 207 to achieve expeditious commercialization of results of Federally-funded research and development. Foreign patent applications are filed on selected inventions to extend market coverage for companies and may also be available for licensing.

ADDRESSES: Licensing information and copies of the U.S. patent applications listed below may be obtained by writing to the indicated licensing contact at the Office of Technology Transfer, National Institutes of Health, 6011 Executive Boulevard, Suite 325, Rockville, Maryland 20852-3804; *telephone:* 301/496-7057; *fax:* 301/402-0220. A signed Confidential Disclosure Agreement will be required to receive copies of the patent applications.

System and Method for Producing Nondiffracting Light Sheets that Improves the Performance of Selective Plane Illumination Microscopy (SPIM)

Description of Invention: The technology offered for licensing relates to a system and method of producing nondiffracting beams of light that spatially overlap, but do not interfere with each other when intersecting the detection plane of an optical arrangement. The system includes an illumination source (*i.e.* ultrafast laser) for transmitting a beam of light through the optical arrangement that includes a diffraction grating for diffracting the light beam to produce beams of light having different wavelengths, which are then passed through an annular aperture that transforms the beams of light into nondiffracting beams having different wavelengths. The method can be readily utilized in Selective Plane Illumination Microscopy (SPIM), a system that provides optical sectioning of a sample that is labeled with fluorescent dyes. SPIM can provide quantitative three-dimensional maps of the distribution of a fluorophore within the sample with high spatiotemporal resolution and an excellent signal-to-noise ratio. The standard SPIM technique however produces nonuniform axial resolution, which is caused by the diffraction of the laser beam through the sample, causing degradation in the optical sectioning, and forcing a compromise between field of view and axial resolution.

Techniques for decoupling field of view and axial resolution have previously utilized nondiffracting beams (*e.g.* Bessel beams) for sample illumination. The resulting interference from multiple nondiffracting beams degrades the quality of optical sectioning and the quality of the image. The present technology utilizing nondiffracting noninterfering beams is intended to alleviate the problems associated with the currently used SPIM techniques.

Applications: In Selective Plane Illumination Microscopy (SPIM) used for optical sectioning and imaging of biological samples.

Development Status: Proof of concept has been demonstrated.