

Nitrite and Nitrite-Methemoglobin Therapy To Detoxify Stroma-Free Hemoglobin Based Blood Substitutes

Description of Technology: Cell-free hemoglobin based oxygen carriers (HBOCs) are blood substitutes and resuscitative agents that can be used to replace whole blood donations, alleviate blood shortages and reduce the risks of infections such as HIV and hepatitis. Stroma-free HBOCs offer the advantages of increased stability, consistency of supply, and reduced immunogenicity over the use of the alternative cell based sources. However, the side effects associated with their use, including vascular toxicity, pulmonary and systemic hypertension, myocardial infarction, inflammation, and platelet aggregation severely limit their scope of clinical applications. These adverse effects are due in part to the ability of free deoxygenated hemoglobin (deoxyHb) to scavenge for nitric oxide (NO) thus rendering it unavailable for vasodilating blood vessels.

This technology is a method of using nitrites to reduce the deleterious effects associated with HBOC use as blood substitutes. Free nitrites or nitrite-methemoglobin when added to stroma-free HBOCs are converted to NO and N₂O₃ which escapes the scavenging activity of deoxyHb and thus is free to vasodilate blood vessels. This maintains oxygen release and NO delivery enabling improved clinical outcomes. Recent studies, using this technology as a blood substitute, have led to a reversal of vasoconstriction, hypertension and hemorrhagic shock in animal models. This new approach also reduces the toxicity associated with the use of HBOCs as a blood substitute and may allow the widespread use of HBOCs as an alternative to cell based sources. In combination with this technology, HBOC blood substitutes may now be used to efficiently deliver therapeutic agents and maintain organ perfusion during trauma and surgery.

Advantages: Reduced toxicity of cell free hemoglobin blood substitutes; Increased blood perfusion in patients; Decreased dependence on blood donations.

Development Status: Pre-clinical.

Inventors: Mark T. Gladwin (NHLBI) et al.

Publication: S Basu, R Grubina, J Huang, J Conradie, Z Huang, A Jeffers, A Jiang, X He, I Azarov, R Seibert, A Mehta, R Patel, SB King, N Hogg, A Ghosh, MT Gladwin, DB Kim-Shapiro. Catalytic generation of N₂O₃ by the concerted nitrite reductase and anhydrase activity of hemoglobin. *Nat Chem Biol.* 2007 Dec;3(12):785-794.

Patent Status: U.S. Provisional Application No. 60/996,530 filed 31 Aug 2007 (HHS Reference No. E-259-2007/0-US-01).

Licensing Status: Available for licensing.

Licensing Contact: Fatima Sayyid, M.H.P.M.; 301-435-4521; Fatima.Sayyid@nih.hhs.gov.

Dated: April 8, 2008.

Steven M. Ferguson,

Director, Division of Technology Development and Transfer, Office of Technology Transfer, National Institutes of Health.

[FR Doc. E8-8218 Filed 4-16-08; 8:45 am]

BILLING CODE 4140-01-P

DEPARTMENT OF HEALTH AND HUMAN SERVICES

National Institutes of Health

National Institute of Mental Health; Notice of Meeting

Notice is hereby given of a meeting of the Services Subcommittee of the Interagency Autism Coordinating Committee (IACC).

The purpose of the Services Subcommittee is to review the current state of services and supports for individuals with Autism Spectrum Disorder (ASD) and their families in order to improve these services. The Subcommittee meeting will be closed to the public with attendance limited to IACC members. The Subcommittee will report on its meeting at the next meeting of the IACC on May 12, 2008.

Name of Committee: Interagency Autism Coordinating Committee (IACC).

Type of meeting: Services Subcommittee.

Date: April 30, 2008.

Time: 1 p.m. to 3 p.m.

Agenda: Review the current state of services and supports for individuals with ASD and their families.

Place: National Institutes of Health, Neuroscience Center, 6001 Executive Boulevard, Bethesda, MD 20892-9669. (Telephone Conference Call)

Contact Person: Tanya Pryor, National Institute of Mental Health, NIH, Neuroscience Center, 6001 Executive Boulevard, Room 6198, Bethesda, MD 20892-9669, 301-443-7153, pryor@mail.nih.gov.

Information about the IACC is available on the Web site: <http://www.nimh.nih.gov/research-funding/scientific-meetings/recurring-meetings/iacc/index.shtml>.

Dated: April 8, 2008.

Jennifer Spaeth,

Director, Office of Federal Advisory Committee Policy.

[FR Doc. E8-8226 Filed 4-16-08; 8:45 am]

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DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

[Docket No. FR-5187-N-20]

Renewal Communities Annual Progress Reporting

AGENCY: Office of the Chief Information Officer, HUD.

ACTION: Notice.

SUMMARY: The proposed information collection requirement described below has been submitted to the Office of Management and Budget (OMB) for review, as required by the Paperwork Reduction Act. The Department is soliciting public comments on the subject proposal.

Renewal Communities are required to submit annual reports to HUD on the progress of their Tax Incentive Utilization Plan in assisting State and local governments and community-based organizations in their outreach to the business community and residents.

DATES: *Comments Due Date:* May 19, 2008.

ADDRESSES: Interested persons are invited to submit comments regarding this proposal. Comments should refer to the proposal by name and/or OMB approval number (2506-0173) and should be sent to: HUD Desk Officer, Office of Management and Budget, New Executive Office Building, Washington, DC 20503; fax: 202-395-6974.

FOR FURTHER INFORMATION CONTACT: Lillian Deitzer, Reports Management Officer, QDAM, Department of Housing and Urban Development, 451 Seventh Street, SW., Washington, DC 20410; e-mail Lillian Deitzer at Lillian_L_Deitzer@HUD.gov or telephone (202) 402-8048. This is not a toll-free number. Copies of available documents submitted to OMB may be obtained from Ms. Deitzer.

SUPPLEMENTARY INFORMATION: This notice informs the public that the Department of Housing and Urban Development has submitted to OMB a request for approval of the information collection described below. This notice is soliciting comments from members of the public and affecting agencies concerning the proposed collection of information to: (1) Evaluate whether the proposed collection of information is necessary for the proper performance of the functions of the agency, including whether the information will have practical utility; (2) Evaluate the accuracy of the agency's estimate of the burden of the proposed collection of information; (3) Enhance the quality, utility, and clarity of the information to be collected; and (4) Minimize the

burden of the collection of information on those who are to respond; including through the use of appropriate automated collection techniques or other forms of information technology, e.g., permitting electronic submission of responses.

This notice also lists the following information:

Title of Proposal: Renewal Communities Annual Progress Reporting.

OMB Approval Number: 2506-0173.

Form Numbers: None.

Description of the Need for the Information and Its Proposed Use: Renewal Communities are required to submit annual reports to HUD on the

progress of their Tax Incentive Utilization Plan in assisting State and local governments and community-based organizations in their outreach to the business community and residents.

Frequency of Submission: On occasion, annually.

	Number of respondents	Annual responses	×	Hours per response	=	Burden hours
Reporting Burden	40	2		20		1,600

Total Estimated Burden Hours: 1,600.

Status: Extension of a currently approved collection.

Authority: Section 3507 of the Paperwork Reduction Act of 1995, 44 U.S.C. 35, as amended.

Dated: April 10, 2008.

Lillian L. Deitzer,

*Departmental Paperwork Reduction Act
Officer, Office of the Chief Information
Officer.*

[FR Doc. E8-8318 Filed 4-16-08; 8:45 am]

BILLING CODE 4210-67-P

DEPARTMENT OF THE INTERIOR

Fish and Wildlife Service

[FWS-R7-R-2008-N0083; 70135-8422-YKFX-U4]

Yukon Flats National Wildlife Refuge, Alaska

AGENCY: Fish and Wildlife Service, Interior.

ACTION: Notice of reopening of the public comment period for the draft Environmental Impact Statement for a Proposed Land Exchange in Yukon Flats National Wildlife Refuge, Alaska.

SUMMARY: On January 25, 2008, the Fish and Wildlife Service published a **Federal Register** Notice (73 FR 4617) announcing the availability of the *Draft Environmental Impact Statement (DEIS) for a Proposed Land Exchange in the Yukon Flats National Wildlife Refuge, Alaska*, and the beginning of a 60-day comment period. In response to numerous requests from Tribal Governments, non-governmental organizations, and the general public we are reopening the comment period for an additional 30 days. We will consider these public comments when revising the document.

DATES: We must receive your comments on or before May 19, 2008.

ADDRESSES: Written comments should be mailed to: Yukon Flats EIS Project

Office, c/o ENSR, 1835 S. Bragaw Street, Suite 490, Anchorage, AK 99508-3438 or submitted on-line at <http://yukonflatseis.ensr.com>. To request a paper copy or compact disk of the DEIS, contact: Cyndie Wolfe, Project Coordinator, U.S. Fish and Wildlife Service, 1011 East Tudor Road, MS-231, Anchorage, AK 99503, or yukonflats_noi@fws.gov or at 907-786-3463. You may view or download a copy of the DEIS at: <http://yukonflatseis.ensr.com>. Copies of the DEIS may be viewed at the Yukon Flats National Wildlife Refuge Office in Fairbanks, Alaska and at the U.S. Fish and Wildlife Service Regional Office in Anchorage, Alaska.

FOR FURTHER INFORMATION CONTACT: Cyndie Wolfe at the above address.

Dated: April 10, 2008.

Gary Edwards,

Acting Regional Director, U.S. Fish and Wildlife Service, Anchorage, Alaska.

[FR Doc. E8-8263 Filed 4-16-08; 8:45 am]

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DEPARTMENT OF THE INTERIOR

Fish and Wildlife Service

[FWS-R9-FHC-2008-N0084; 13410-1124-0000-K2]

Marine Mammal Protection Act; Stock Assessment Report

AGENCY: Fish and Wildlife Service, Interior.

ACTION: Notice of availability of draft revised marine mammal stock assessment report for the northern sea otter stock in Washington State; request for comments.

SUMMARY: In accordance with the Marine Mammal Protection Act (MMPA), the Fish and Wildlife Service (Service) has developed a draft revised marine mammal stock assessment report for the northern sea otter (*Enhydra lutris kenyoni*) stock in Washington State,

which is available for public review and comment.

DATES: Comments must be received by July 16, 2008.

ADDRESSES: Copies of the draft revised stock assessment report for the northern sea otter in Washington State are available from the Manager, U.S. Fish and Wildlife Service, Western Washington Fish and Wildlife Office, 510 Desmond Drive, SE., Suite 102, Lacey, WA 98503, (360) 753-9440. It can also be viewed in Adobe Acrobat at <http://www.fws.gov/westwafwo>.

If you wish to submit comments on the draft revised stock assessment report for the northern sea otter in Washington State, you may do so by any of the following methods:

1. You may mail or hand-deliver (during normal business hours) written comments to the Manager, U.S. Fish and Wildlife Service, Western Washington Fish and Wildlife Office, 510 Desmond Drive, SE., Suite 102, Lacey, WA 98503.
2. You may fax your comments to (360) 753-9405.
3. You may send comments by electronic mail (e-mail) to waseaottersar@fws.gov.

SUPPLEMENTARY INFORMATION: One of the goals of the MMPA is to ensure that stocks of marine mammals occurring in waters under the jurisdiction of the United States do not experience a level of human-caused mortality and serious injury that is likely to cause the stock to be reduced below its optimum sustainable population level (OSP). OSP is defined as “* * * the number of animals which will result in the maximum productivity of the population or the species, keeping in mind the carrying capacity of the habitat and the health of the ecosystem of which they form a constituent element.”

To help accomplish the goal of maintaining marine mammal stocks at their OSPs, section 117 of the MMPA (16 U.S.C. 1361-1407) requires the Service and the National Marine Fisheries Service (NMFS) to prepare