

future DMICC meetings should register for the listserv available on the DMICC Web site, [www.diabetescommittee.gov](http://www.diabetescommittee.gov).

Dated: November 9, 2016.

**B. Tibor Roberts,**

*Executive Secretary, Office of Scientific Program and Policy Analysis, National Institute of Diabetes and Digestive and Kidney Diseases, National Institutes of Health.*

[FR Doc. 2016-27825 Filed 11-17-16; 8:45 am]

**BILLING CODE 4140-01-P**

## DEPARTMENT OF HEALTH AND HUMAN SERVICES

### National Institutes of Health

#### Government-Owned Inventions; Availability for Licensing and/or Co-Development

**AGENCY:** National Institutes of Health, Department of Health and Human Services.

**ACTION:** Notice.

**SUMMARY:** The invention listed below is owned by an agency of the U.S. Government and is available for licensing and/or co-development in the U.S. 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 and/or co-development.

**ADDRESSES:** Invention Development and Marketing Unit, Technology Transfer Center, National Cancer Institute, 9609 Medical Center Drive, Mail Stop 9702, Rockville, MD 20850-9702.

**FOR FURTHER INFORMATION CONTACT:** Information on licensing and co-development research collaborations, and copies of the U.S. patent applications listed below may be obtained by contacting: Attn. Invention Development and Marketing Unit, Technology Transfer Center, National Cancer Institute, 9609 Medical Center Drive, Mail Stop 9702, Rockville, MD 20850-9702, Tel. 240-276-5515 or email [ncitechtransfer@mail.nih.gov](mailto:ncitechtransfer@mail.nih.gov). A signed Confidential Disclosure Agreement may be required to receive copies of the patent applications.

**SUPPLEMENTARY INFORMATION:**

Technology description follows.

*Title of invention:* Methods of Making and Using Dopamine D3 Receptor Selective Antagonists/Partial Agonists

*Summary of Technology:* A library of novel compounds that selectively bind the dopamine D<sub>3</sub> receptor have been designed and characterized extensively. *In vivo* rodent studies indicate selected

lead molecules may be useful to treat drug addiction/dependence.

*Description of Technology:* Dopamine is a major neurotransmitter in the central nervous system and among other functions is directly related to the rewarding effects of drugs of abuse. Dopamine signaling is mediated by D<sub>1</sub>, D<sub>2</sub>, D<sub>3</sub>, D<sub>4</sub> and D<sub>5</sub> receptors. The dopamine D<sub>3</sub> receptor is a known target to treat a variety of neuropsychiatric disorders, including substance use disorders (e.g. cocaine and opioid), schizophrenia and depression. Despite extensive efforts, it has proven difficult to identify a lead molecule that selectively binds to D<sub>3</sub> receptors (versus D<sub>2</sub> receptors, for example), with the desired pharmacological and pharmacokinetic profile. For example, metabolic instability or predicted toxicity has precluded successful translation of previously reported D<sub>3</sub>R-selective antagonists to clinical use for cocaine abuse.

The library of compounds is designed to have high affinity and specificity for the dopamine D<sub>3</sub> receptor. Preliminary studies at National Institute of Drug Abuse (NIDA) indicate that selected lead compounds have promising *in vivo* activity in rodents, including reduced acquisition to self-administration of oxycodone, inhibition of reinstatement to oxycodone seeking, and ameliorating naloxone-precipitated withdrawal from oxycodone dependence.

This invention is owned by an agency of the U.S. Government and is available for licensing and/or co-development in the U.S., in accordance with 35 U.S.C. 209 and 37 CFR part 404, 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 and/or co-development.

*Potential Commercial Applications:*

- Treatment of Opioid Use Disorders
- Treatment of Schizophrenia
- Treatment of Bipolar Disorder
- Treatment of cannabis (Tetrahydrocannabinol, THC) dependence

*Value Proposition:* Despite extensive efforts to develop D<sub>3</sub> receptor-selective compounds, it has proven difficult to identify a ligand with the desired pharmacological and pharmacokinetic profile for translation to the clinic. The D<sub>3</sub> receptor ligands described herein may be useful to treat a variety of diseases, including opioid use disorders and schizophrenia.

*Development Stage:* Pre-clinical (in vivo validation).

*Inventor(s):* Amy Newman and Vivek Kumar (NIDA).

*Intellectual Property:* E-053-2016 United States Provisional Patent Application No. 62/307,600, filed March 14, 2016, titled "Dopamine D3 Receptor Selective Antagonists/Partial Agonists; Methods of Making and Use Thereof".

*Publications:* *J Med Chem.* 2016 Aug 25;59(16):7634-50. doi: 10.1021/acs.jmedchem.6b00860. Epub 2016 Aug 10.

*Collaboration Opportunity:* Researchers at the NIDA seek licensing and/or co-development research collaborations for development of Dopamine D3 ligands to treat opioid use disorders.

*Contact Information:* Requests for copies of the patent application or inquiries about licensing, research collaborations, and co-development opportunities should be sent to John D. Hewes, Ph.D., email: [john.hewes@nih.gov](mailto:john.hewes@nih.gov).

Dated: November 10, 2016.

**John D. Hewes,**

*Technology Transfer Specialist, Technology Transfer Center, National Cancer Institute.*

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## DEPARTMENT OF HEALTH AND HUMAN SERVICES

### National Institutes of Health

#### Submission for OMB Review; 30-Day Comment Request: A National Survey of Nurse Coaches (NIH Clinical Center)

**AGENCY:** National Institutes of Health.

**ACTION:** Notice.

**SUMMARY:** In compliance with the Paperwork Reduction Act of 1995, the National Institutes of Health (NIH) has submitted to the Office of Management and Budget (OMB) a request for review and approval of the information collection listed below. This proposed information collection was previously published in the **Federal Register** on August 22, 2016, pages 56668-9 (81 FR 56668) and allowed 60-days for public comment. No public comments were received. The purpose of this notice is to allow an additional 30 days for public comment.

**DATES:** Comments regarding this information collection are best assured of having their full effect if received by December 19, 2016.

**ADDRESSES:** Written comments and/or suggestions regarding the item(s) contained in this notice, especially regarding the estimated public burden and associated response time, should be