

Scientific Review, OD, Eunice Kennedy Shriver National Institute of Child Health and Human Development, NIH, DHHS, 6710B Rockledge Drive, Bethesda, MD 20892-7501, 301-435-6878, [wedeenc@mail.nih.gov](mailto:wedeenc@mail.nih.gov).

(Catalogue of Federal Domestic Assistance Program Nos. 93.864, Population Research; 93.865, Research for Mothers and Children; 93.929, Center for Medical Rehabilitation Research; 93.209, Contraception and Infertility Loan Repayment Program, National Institutes of Health, HHS)

Dated: November 29, 2016.

**Michelle Trout,**

*Program Analyst, Office of Federal Advisory Committee Policy.*

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**BILLING CODE 4140-01-P**

## DEPARTMENT OF HEALTH AND HUMAN SERVICES

### National Institutes of Health

#### National Institute of Dental & Craniofacial Research; Notice of Closed Meeting

Pursuant to section 10(d) of the Federal Advisory Committee Act, as amended (5 U.S.C. App.), notice is hereby given of the following meeting.

The meeting will be closed to the public in accordance with the provisions set forth in sections 552b(c)(4) and 552b(c)(6), Title 5 U.S.C., as amended. The grant applications and the discussions could disclose confidential trade secrets or commercial property such as patentable material, and personal information concerning individuals associated with the grant applications, the disclosure of which would constitute a clearly unwarranted invasion of personal privacy.

*Name of Committee:* National Institute of Dental and Craniofacial Research Special Emphasis Panel.

*Date:* December 12, 2016.

*Time:* 1:00 p.m. to 2:00 p.m.

*Agenda:* To review and evaluate grant applications.

*Place:* National Institutes of Health, Two Democracy Plaza, 6707 Democracy Boulevard, Bethesda, MD 20892 (Telephone Conference Call).

*Contact Person:* Guo He Zhang, MPH, Ph.D., Scientific Review Officer, Scientific Review Branch, National Institute of Dental and Craniofacial Research, National Institutes of Health, 6701 Democracy Boulevard, Suite 672, Bethesda, MD 20892, [zhanggu@mail.nih.gov](mailto:zhanggu@mail.nih.gov).

This notice is being published less than 15 days prior to the meeting due to the timing limitations imposed by the review and funding cycle.

(Catalogue of Federal Domestic Assistance Program Nos. 93.121, Oral Diseases and

Disorders Research, National Institutes of Health, HHS)

Dated: November 28, 2016.

**Natasha M. Copeland,**

*Program Analyst, Office of Federal Advisory Committee Policy.*

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## DEPARTMENT OF HEALTH AND HUMAN SERVICES

### National Institutes of Health

#### Government-Owned Invention; Availability for Licensing

**AGENCY:** National Institutes of Health, HHS.

**ACTION:** Notice.

**SUMMARY:** The invention listed below is owned by an agency of the U.S. Government and is available for licensing in the U.S. to achieve expeditious commercialization of results of federally-funded research and development.

**FOR FURTHER INFORMATION CONTACT:** Licensing information may be obtained by emailing the indicated licensing contact at the National Heart, Lung, and Blood, Office of Technology Transfer and Development Office of Technology Transfer, 31 Center Drive Room 4A29, MSC 2479, Bethesda, MD 20892-2479; telephone: 301-402-5579. A signed Confidential Disclosure Agreement may be required to receive any unpublished information.

**SUPPLEMENTARY INFORMATION:** Notice of Licensing of Government-Owned Inventions in accordance with 35 U.S.C. 209 and 37 CFR part 404. Technology description follows.

#### ApoA-1 Mimetic Peptides Promoting Lipid Efflux From Cells for Treatment of Vascular Disorders

*Description of Technology:* This invention involves ApoA-1 mimetic peptides with multiple amphipathic alpha-helical domains that promote lipid efflux from cells and are useful in the treatment and prevention of dyslipidemic, inflammatory and vascular disorders. IND-enabling studies for one of the peptides, named Fx-5A, are completed in preparation for an IND filing at the FDA, to be followed by a Phase I clinical trial planned for 2017. Disorders amenable to treatment with the peptides include hyperlipidemia, hyperlipoproteinemia, hypercholesterolemia, HDL deficiency, hypertriglyceridemia, apoA-I deficiency, acute coronary syndrome, angina pectoris, aortic valve stenosis,

atherosclerosis, carotid atherosclerosis, congestive heart failure, cerebral stroke, coronary artery disease, inflammation of the cardiovascular system, intermittent claudication, myocardial infarction, peripheral vascular disease, post-ischemic reperfusion, renal artery stenosis, reperfusion myocardial injury, restenosis, and thrombotic stroke.

#### *Potential Commercial Applications:*

- Treatment and prevention of many hereditary, chronic and acute dyslipidemic and vascular disorders, where other treatments are not effective or too invasive, such as statins, partial ileal bypass surgery, portacaval shunt, liver transplantation, and removal of atherogenic lipoproteins by one of several apheresis procedures.

- Also applicable to the treatment of inflammation, asthma, colitis, inflammatory bowel disease (IBD), chronic kidney disease (CKD).

*Development Stage:* Early-stage; In vitro data available; In vivo data available (animal)

*Inventors:* Alan T. Remaley, Stephen J. Demosky, John A. Stonik, Marcelo J.A. Amar, Edward B. Neufeld, Fairwell Thomas, H. Bryan Brewer (all of NHLBI)

#### *Publications:*

1. Jin X, et al. ABCA1 (ATP-Binding Cassette Transporter A1) Mediates ApoA-I (Apolipoprotein A-I) and ApoA-I Mimetic Peptide Mobilization of Extracellular Cholesterol Microdomains Deposited by Macrophages. *Arterioscler Thromb Vasc Biol.* 2016 Dec;36(12):2283-2291. [PMID 27758769]
2. Nowacki TM, et al. The 5A apolipoprotein A-I (apoA-I) mimetic peptide ameliorates experimental colitis by regulating monocyte infiltration. *Br J Pharmacol.* 2016 Sep;173(18):2780-92. [PMID 27425846]
3. Yao X, et al. The A's Have It: Developing Apolipoprotein A-I Mimetic Peptides Into a Novel Treatment for Asthma. *Chest.* 2016 Aug;150(2):283-8. [PMID 27327118]
4. Souza AC, et al. Antagonism of scavenger receptor CD36 by 5A peptide prevents chronic kidney disease progression in mice independent of blood pressure regulation. *Kidney Int.* 2016 Apr;89(4):809-22. [PMID 26994575]
5. Schwendeman A, et al. The effect of phospholipid composition of reconstituted HDL on its cholesterol efflux and anti-inflammatory properties. *J Lipid Res.* 2015 Sep;56(9):1727-37. [PMID 26117661]
6. Sviridov DO, et al. Hydrophobic amino acids in the hinge region of the 5A apolipoprotein mimetic peptide are essential for promoting cholesterol efflux by the ABCA1 transporter. *J Pharmacol Exp Ther.* 2013 Jan;344(1):50-8. [PMID 23042953]
7. Dai C, et al. Apolipoprotein A-I attenuates ovalbumin-induced neutrophilic airway inflammation via a granulocyte colony-