

polyunsaturated fatty acid accumulates in the brain during development, and has been implicated in learning and memory development. DEA, a metabolite derived from DHA, also has been shown to accelerate neuronal growth and development. In vitro studies in which neural progenitor cells were treated with DEA derivatives showed an increase in the number of somatic neurons produced after differentiation.

#### Potential Commercial Applications

- Neurogenesis,
- Neurite growth,
- Synaptogenesis,
- Therapeutics for traumatic brain injury, spinal cord injury, peripheral nerve injury, stroke, multiple sclerosis, autism, Alzheimer's disease, Huntington's disease, Parkinson's disease, and amyotrophic lateral sclerosis.

*Inventors:* Erika Englund (NCATS), Juan Marugan (NCATS), Samarjit Patnaik (NCATS), Hee-Yong Kim (NIAAA).

*Intellectual Property:* HHS Reference No. E-070-2012/0, U.S. Provisional Patent Application 61/624,741 filed April 16, 2012 (expired), International Patent Application PCT/US2013/032333 filed March 15, 2013 (expired), U.S. Patent 9,422,308; German Patent 602013016154.2, French Patent 2847178, and UK Patent 2847178.

*Licensing Contact:* Michael Shmilovich, Esq. CLP; 301-435-5019; [shmilovm@nih.gov](mailto:shmilovm@nih.gov).

Dated: October 5, 2017.

#### Michael Shmilovich,

Senior Licensing and Patenting Manager, National Heart, Lung, and Blood Institute, Office of Technology Transfer and Development.

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## DEPARTMENT OF HEALTH AND HUMAN SERVICES

### National Institutes of Health

#### Center for Scientific Review; Notice of Closed Meetings

Pursuant to section 10(d) of the Federal Advisory Committee Act, as amended, notice is hereby given of the following meetings.

The meetings 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:* Center for Scientific Review Special Emphasis Panel; Immune System Plasticity in Dental, Oral, and Craniofacial Diseases.

*Date:* November 1, 2017.

*Time:* 2:00 p.m. to 6:00 p.m.

*Agenda:* To review and evaluate grant applications.

*Place:* National Institutes of Health, 6701 Rockledge Drive, Bethesda, MD 20892 (Virtual Meeting).

*Contact Person:* Yi-Hsin Liu, Ph.D., Scientific Review Officer, Center for Scientific Review, National Institutes of Health, 6701 Rockledge Drive, Room 4214, MSC 7814, Bethesda, MD 20892, 301-435-1781, [liuyh@csr.nih.gov](mailto:liuyh@csr.nih.gov).

*Name of Committee:* Center for Scientific Review Special Emphasis Panel; PAR-17-263: Innovation for HIV Vaccine Discovery.

*Date:* November 3, 2017.

*Time:* 10:00 a.m. to 5:00 p.m.

*Agenda:* To review and evaluate grant applications.

*Place:* National Institutes of Health, 6701 Rockledge Drive, Bethesda, MD 20892 (Virtual Meeting).

*Contact Person:* Barna Dey, Ph.D., Scientific Review Officer, Center for Scientific Review, National Institutes of Health, 6701 Rockledge Drive, Room 3184, Bethesda, MD 20892, 301-451-2796, [bdey@mail.nih.gov](mailto:bdey@mail.nih.gov).

*Name of Committee:* Center for Scientific Review Special Emphasis Panel; Member Conflict: Epidemiology, Ethical and Population Sciences.

*Date:* November 3, 2017.

*Time:* 2:30 p.m. to 4:30 p.m.

*Agenda:* To review and evaluate grant applications.

*Place:* National Institutes of Health, 6701 Rockledge Drive, Bethesda, MD 20892 (Telephone Conference Call).

*Contact Person:* Gniesha Yvonne Dinwiddie, Ph.D., Scientific Review Officer, Center for Scientific Review, National Institutes of Health, 6701 Rockledge Drive, Room 3137, Bethesda, MD 20892, [dinwiddie@csr.nih.gov](mailto:dinwiddie@csr.nih.gov).

*Name of Committee:* Center for Scientific Review Special Emphasis Panel; PAR Panel: Systems Science and Health in the Behavioral and Social Science.

*Date:* November 7, 2017.

*Time:* 1:00 p.m. to 5:00 p.m.

*Agenda:* To review and evaluate grant applications.

*Place:* National Institutes of Health, 6701 Rockledge Drive, Bethesda, MD 20892 (Telephone Conference Call).

*Contact Person:* Ping Wu, Ph.D., Scientific Review Officer, HDM IRG, Center for Scientific Review, National Institutes of Health, 6701 Rockledge Drive, Room 3166, Bethesda, MD 20892, 301-451-8428, [wup4@csr.nih.gov](mailto:wup4@csr.nih.gov).

*Name of Committee:* Center for Scientific Review Special Emphasis Panel; PAR Panel:

Improving Smoking Cessation in Socioeconomically Disadvantaged Populations via Scalable Interventions.

*Date:* November 7, 2017.

*Time:* 1:00 p.m. to 5:00 p.m.

*Agenda:* To review and evaluate grant applications.

*Place:* National Institutes of Health, 6701 Rockledge Drive, Bethesda, MD 20892 (Telephone Conference Call).

*Contact Person:* Kristen Prentice, Ph.D., Scientific Review Officer, Center for Scientific Review, National Institutes of Health, 6701 Rockledge Drive, Room 3112, MSC 7808, Bethesda, MD 20892, 301-496-0726, [prenticekj@mail.nih.gov](mailto:prenticekj@mail.nih.gov).

*Name of Committee:* Center for Scientific Review Special Emphasis Panel; Small Business: Digestive Sciences.

*Date:* November 8-9, 2017.

*Time:* 8:00 a.m. to 5:00 p.m.

*Agenda:* To review and evaluate grant applications.

*Place:* Residence Inn Bethesda, 7335 Wisconsin Avenue, Bethesda, MD 20814.

*Contact Person:* Martha Garcia, Ph.D., Scientific Review Officer, Center for Scientific Review, National Institutes of Health, 6701 Rockledge Drive, Room 2186, MSC 7818, Bethesda, MD 20892, 301-435-1243, [garciamc@nih.gov](mailto:garciamc@nih.gov).

*Name of Committee:* Center for Scientific Review Special Emphasis Panel; Small Business: Computational, Modeling, and Biodata Management.

*Date:* November 8, 2017.

*Time:* 8:00 a.m. to 6:00 p.m.

*Agenda:* To review and evaluate grant applications.

*Place:* Embassy Suites at the Chevy Chase Pavilion, 4300 Military Road NW., Washington, DC 20015.

*Contact Person:* Allen Richon, Ph.D., Scientific Review Officer, Center for Scientific Review, National Institutes of Health, 6701 Rockledge Drive, Room 6184, MSC 7892, Bethesda, MD 20892, 301-379-9351, [allen.richon@nih.hhs.gov](mailto:allen.richon@nih.hhs.gov).

*Name of Committee:* Center for Scientific Review Special Emphasis Panel; Member Conflict: Pathophysiology of Neurodevelopmental Disorders.

*Date:* November 8, 2017.

*Time:* 11:00 a.m. to 2:00 p.m.

*Agenda:* To review and evaluate grant applications.

*Place:* National Institutes of Health, 6701 Rockledge Drive, Bethesda, MD 20892 (Telephone Conference Call).

*Contact Person:* Boris P Sokolov, Ph.D., Scientific Review Officer, Center for Scientific Review, National Institutes of Health, 6701 Rockledge Drive, Room 5217A, MSC 7846, Bethesda, MD 20892, 301-408-9115, [bsokolov@csr.nih.gov](mailto:bsokolov@csr.nih.gov).

*Name of Committee:* Center for Scientific Review Special Emphasis Panel; PAR-17-171: Cancer Tissue Engineering Collaborative Research.

*Date:* November 8, 2017.

*Time:* 12:00 p.m. to 4:30 p.m.

*Agenda:* To review and evaluate grant applications.

*Place:* National Institutes of Health, 6701 Rockledge Drive, Bethesda, MD 20892 (Virtual Meeting).

*Contact Person:* Angela Y Ng, Ph.D., MBA, Scientific Review Officer, Center for Scientific Review, National Institutes of Health, 6701 Rockledge Drive, Room 6200, MSC 7804, Bethesda, MD 20892, 301-435-1715, [nga@csr.nih.gov](mailto:nga@csr.nih.gov).

*Name of Committee:* Center for Scientific Review Special Emphasis Panel; Pregnancy, Placentation, and Neonatology.

*Date:* November 9, 2017.

*Time:* 1:00 p.m. to 4:00 p.m.

*Agenda:* To review and evaluate grant applications.

*Place:* National Institutes of Health, 6701 Rockledge Drive, Bethesda, MD 20892 (Virtual Meeting).

*Contact Person:* Gary Hunnicutt, Ph.D., Scientific Review Officer, Center for Scientific Review, National Institutes of Health, 6701 Rockledge Drive, Room 6164, MSC 7892, Bethesda, MD 20892, 301-435-0229, [gary.hunnicutt@nih.gov](mailto:gary.hunnicutt@nih.gov).

(Catalogue of Federal Domestic Assistance Program Nos. 93.306, Comparative Medicine; 93.333, Clinical Research, 93.306, 93.333, 93.337, 93.393-93.396, 93.837-93.844, 93.846-93.878, 93.892, 93.893, National Institutes of Health, HHS)

*Dated:* October 6, 2017.

#### **Anna Snouffer,**

*Deputy Director, Office of Federal Advisory Committee Policy.*

[FR Doc. 2017-22139 Filed 10-12-17; 8:45 am]

**BILLING CODE 4140-01-P**

## **DEPARTMENT OF HEALTH AND HUMAN SERVICES**

### **National Institutes of Health**

#### **Government-Owned Inventions; Availability for Licensing**

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

#### **FOR FURTHER INFORMATION CONTACT:**

Licensing information and copies of the patent applications listed below 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, MSC2479, Bethesda, MD 20892-2479; telephone: 301-402-5579. A signed Confidential Disclosure Agreement may be required to receive copies of the patent applications.

**SUPPLEMENTARY INFORMATION:** This notice is in accordance with 35 U.S.C. 209 and 37 CFR part 404 to achieve 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. A description of the technology follows.

#### **Small Interfering RNA Inhibition of Cannabinoid-1 Receptor (CB1R) for Treating Type 2 Diabetes**

*Description of Technology:* The invention pertains to the use of glucan encapsulated non-immunostimulatory small interfering RNAs (siRNAs) to treat type-2 diabetes. Endocannabinoids (EC) are lipid signaling molecules that act on the same cannabinoid receptors that recognize and mediate the effects of endo- and phytocannabinoids. EC receptor CB1R activation is implicated in the development of obesity and its metabolic consequences, including insulin resistance and type 2 diabetes. Beta-cell loss has been demonstrated in a Zucker diabetic fatty (ZDF) rat model of type-2 diabetes through CB1R-mediated activation of a macrophage-mediated inflammatory response. Conversely, rats treated with a peripheral CB1R antagonist restores normoglycemia and preserves beta-cell function. Similar results are seen following selective in vivo knockdown of macrophage CB1R by daily treatment of ZDF rats with the instant D-glucan-encapsulated CB1R Small interfering RNA (siRNA). Knock-down of CB1R with using glucan encapsulated siRNA may represent a new commercializable method of treating type-2 diabetes or preventing the progression of insulin resistance to overt diabetes.

*Potential Commercial Applications:* Treatment of obesity, insulin resistance, and diabetes.

*Development Stage:* In vivo data available.

*Inventors:* George Kunos, Tony Jourdan (NIAAA), Michael Czech, Myriam Aouadi.

*Intellectual Property:* HHS Reference No. E-103-2013/0, U.S. Provisional Patent Application 61/839,239 filed June 25, 2013, International Patent Application PCT/US2014/043924 filed June 24, 2014, European Patent Application 14818342.9 filed June 24, 2014 and U.S. Patent Application 14/900,951 filed June 24, 2014.

*Licensing Contact:* Michael Shmilovich, Esq, CLP; 301-435-5019; [shmilovm@nih.gov](mailto:shmilovm@nih.gov).

*Dated:* October 5, 2017.

#### **Michael Shmilovich,**

*Senior Licensing and Patenting Manager, National Heart, Lung, and Blood Institute, Office of Technology Transfer and Development.*

[FR Doc. 2017-22147 Filed 10-12-17; 8:45 am]

**BILLING CODE 4140-01-P**

## **DEPARTMENT OF HEALTH AND HUMAN SERVICES**

### **National Institutes of Health**

#### **National Institute of Neurological Disorders and Stroke; Notice of Closed Meetings**

Pursuant to section 10(d) of the Federal Advisory Committee Act, as amended, notice is hereby given of the following meetings.

The meetings 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:* Neurological Sciences Training Initial Review Group; NST-2 Subcommittee.

*Date:* October 23, 2017.

*Time:* 8:00 a.m. to 6:00 p.m.

*Agenda:* To review and evaluate grant applications.

*Place:* Hilton Crystal City, 2399 Jefferson Davis Highway, Arlington, VA 22202.

*Contact Person:* Elizabeth Webber, Ph.D., Scientific Review Officer, Scientific Review Branch, NINDS/NIH/DHHS, Neuroscience Center, 6001 Executive Blvd., Suite 3204, MSC 9529, Bethesda, MD 20892-9529, (301) 496-1917, [Webbere@mail.nih.gov](mailto:Webbere@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.

*Name of Committee:* National Institute of Neurological Disorders and Stroke Special Emphasis Panel; R13 Review.

*Date:* October 26, 2017.

*Time:* 9:00 a.m. to 4:00 p.m.

*Agenda:* To review and evaluate grant applications.

*Place:* National Institutes of Health, Neuroscience Center, 6001 Executive Boulevard, Rockville, MD 20852 (Virtual Meeting).

*Contact Person:* Ernie Lyons, Ph.D., Scientific Review Officer, Scientific Review Branch, NINDS/NIH/DHHS, Neuroscience Center, 6001 Executive Blvd., Suite 3204, MSC 9529, Bethesda, MD 20892-9529, (301) 496-4056, [lyonse@ninds.nih.gov](mailto:lyonse@ninds.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.

*Name of Committee:* National Institute of Neurological Disorders and Stroke Special Emphasis Panel; F32 and K22 Review.

*Date:* November 2-3, 2017.

*Time:* 8:00 a.m. to 12:00 p.m.

*Agenda:* To review and evaluate grant applications.