identified in the research represent both promising means for diagnosing SS earlier in disease progression as well as therapeutic targets to treat SS.

Potential Commercial Applications:

- Diagnosis of Sjögren's syndrome
- Treatment of Sjögren's syndrome

Competitive Advantages: The genes and autoantibodies identified in this technology may lead to one of the first diagnostic tests for Sjögren's syndrome.

Development Stage:

- Early-stage
- In vitro data available

Inventors: Sharon M. Wahl (NIDCR), et al.

Publications:

1. Greenwell-Wild T, et al. Chitinases in the salivary glands and circulation of patients with Sjögren's syndrome: macrophage harbingers of disease severity. Arthritis Rheum. 2011 Oct;63(10):3103–3115, doi: 10.1002/art.30465. [PMID 21618203]

2. Katsifis GE, et al. Systemic and local interleukin-17 and linked cytokines associated with Sjögren's syndrome immunopathogenesis. Am J Pathol. 2009 Sep;175(3):1167–1177. [PMID 19700754]

3. Moutsopoulos NM, et al. Lack of efficacy of etanercept in Sjögren syndrome correlates with failed suppression of tumour necrosis factor alpha and systemic immune activation. Ann Rheum Dis. 2008 Oct;67(10):1437–1443. [PMID 18198195]

4. Mavragani CP, et al. Augmented interferon-alpha pathway activation in patients with Sjögren's syndrome treated with etanercept. Arthritis Rheum. 2007 Dec;56(12):3995–4004. [PMID 18050196]

5. Katsifis GE, et al. T lymphocytes in Sjögren's syndrome: contributors to and regulators of pathophysiology. Clin Rev Allergy Immunol. 2007 Jun;32(3):252–264. [PMID 17992592]

Intellectual Property:

- HHS Reference No. E–140–2011/0 — U.S. Provisional Application No. 61/476,192 filed 15 April 2011
- HHS Reference No. E–140–2011/1 — U.S. Provisional Application No. 61/556,729 filed 07 November 2011

Licensing Contact: Jaime M. Greene, M.S.; 301–435–5559; *greenejaime@mail.nih.gov*.

Bacterially Expressed Influenza Virus Recombinant HA Proteins for Vaccine and Diagnostic Applications

Description of Technology: Pandemic H1N1 influenza virus is a recently emergent strain of influenza virus that the World Health Organization (WHO) estimates has killed at least 14,711 people worldwide. Avian influenza viruses are emerging health threats with pandemic potential. Due to their global health implications, there has been a massive international effort to produce protective vaccines against these influenza virus strains. Currently, influenza virus vaccines are produced in chicken eggs, a production method that is disadvantaged by lengthy vaccine production times and by inability to meet large-scale, global demands.

The subject technologies are specific recombinant HA proteins from H1N1, H5N1, and other strains of influenza virus produced in bacteria. The HA proteins properly fold, form oligomers, bind fetuin, agglutinate red blood cells and induce strong neutralizing antibody titers in several in vivo animal models. The key advantages of this technology are that expression of these proteins in bacteria reduces the vaccine production time and offers the ease of scalability for global usage, an issue with current production methods. The recombinant HA proteins can also be used for diagnostic applications.

Potential Commercial Applications:

- Vaccines for the prevention of influenza infection
- Diagnostics for influenza virus specific antibodies

Competitive Advantages:

- Novel vaccine candidates
- Rapid production time
- Ease of scalability

Development Stage:

- In vitro data available
- In vivo data available (animal)

Inventors: Hana Golding and Surender Khurana (FDA).

Publication: Khurana S, et al. Recombinant HA1 produced in E. coli forms functional oligomers and generates strain-specific SRID potency antibodies for pandemic influenza vaccines. Vaccine. 2011 Aug 5;29(34):5657–5665. [PMID 21704111].

Intellectual Property: HHS Reference No. E–032–2010/1—PCT Application No. PCT/US2010/055166 filed 02 Nov 2010.

Licensing Contact: Kevin W. Chang, Ph.D.; 301–435–5018; *changke@mail.nih.gov*.

Potent, Easy To Use Targeted Toxins as Anti-Tumor Agents

Description of Technology: The invention discloses synthesis and use of novel derivatives of 2-[2'-(2-aminoethyl)-2-methyl-ethyl]-l,2-dihydro-6-methoxy-3H-dibenz-[de,h]isoquinoline-l,3-dione as targeted anti-tumor agents. The use of targeted toxin conjugates with anti-cancer antibodies, such as herceptin, is increasing. Based on a comparison with the structurally complex toxins, such as DM1, available in the market, these novel toxins are more stable in circulation, thus making the toxin-conjugates more tumor-selective and less toxic. As such, these compounds are superior alternatives to the existing toxins.

The invention describes a potent and easy to synthesize toxin that can be used for generating a variety of prodrugs. These compounds can be attached to a ligand that recognizes a receptor on cancer cells, or to a peptide that is cleaved by tumor-specific proteases. The compounds are topoisomerase inhibitors and are mechanistically different from DM1 that targets tubulin.

The structure of the toxin allows it to be modified with a peptide linker that is stable, but rapidly cleaved in lysosomes after the compound is specifically taken up by cancer cells.

Potential Commercial Applications: The compounds can be used for preparation of a variety of potent anti-cancer agents with low systemic toxicity.

Competitive Advantages:

- Easy to prepare
- Structural features make these compounds more stable in circulation
- Toxin conjugates are more tumor-selective and less toxic

Development Status:

- In vitro data available
- In vivo data available (animal)

Inventors: Nadya Tarasova, et al. (NCI).

Intellectual Property: HHS Reference No. E–160–2006/0—U.S. Patent No. 8,008,316 issued 30 Aug 2011.

Licensing Contact: Jennifer Wong; 301–465–4633; *wongje@mail.nih.gov*.

Dated: February 29, 2012.

Richard U. Rodriguez,

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

[FR Doc. 2012–5356 Filed 3–5–12; 8:45 am]

BILLING CODE 4140–01–P

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 (5 U.S.C. App.), 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; Member Conflict: Epidemiology and Genetics of Chronic Disease.

Date: March 28–29, 2012.

Time: 10 a.m. to 4 p.m.

Agenda: To review and evaluate grant applications.

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

Contact Person: Julia Krushkal, Ph.D., Scientific Review Officer, Center for Scientific Review, National Institutes of Health, 6701 Rockledge Drive, Room 3148, MSC 7770, Bethesda, MD 20892, 301–435–1782, *krushkalj@csr.nih.gov.*

Name of Committee: Center for Scientific Review Special Emphasis Panel; Epidermal, Lupus, and Wound Healing.

Date: March 28–29, 2012.

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

Agenda: To review and evaluate grant applications.

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

Contact Person: Baljit S Moonga, Ph.D., Scientific Review Officer, Center for Scientific Review, National Institutes of Health, 6701 Rockledge Drive, Room 4214, MSC 7806, Bethesda, MD 20892, 301–435–1777, *moongabs@mail.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: February 29, 2011.

Jennifer S. Spaeth,

Director, Office of Federal Advisory Committee Policy.

[FR Doc. 2012–5419 Filed 3–5–12; 8:45 am]

BILLING CODE 4140–01–P

DEPARTMENT OF HEALTH AND HUMAN SERVICES

National Institutes of Health

National Institute of Biomedical Imaging and Bioengineering; Notice of Closed Meetings

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 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: National Institute of Biomedical Imaging and Bioengineering Special Emphasis Panel; Career Awards (2012/05).

Date: March 26, 2012.

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

Agenda: To review and evaluate grant applications.

Place: Hyatt Regency Bethesda, One Bethesda Metro Center, 7400 Wisconsin Avenue, Bethesda, MD 20814.

Contact Person: Ruixia Zhou, Ph.D., Scientific Review Officer, 6707 Democracy Boulevard, Democracy Two Building, Suite 957, Bethesda, MD 20892, 301–496–4773, *zhour@mail.nih.gov.*

Name of Committee: National Institute of Biomedical Imaging and Bioengineering Special Emphasis Panel; Point-of-Care Technologies Research Network (U54).

Date: March 28–29, 2012.

Time: 6 p.m. to 5 p.m.

Agenda: To review and evaluate grant applications.

Place: Hyatt Regency Bethesda, One Bethesda Metro Center, 7400 Wisconsin Avenue, Bethesda, MD 20814.

Contact Person: John K. Hayes, Ph.D., Scientific Review Officer, 6707 Democracy Boulevard, Room 959, Bethesda, MD 20892, 301–451–3398, *hayesj@mail.nih.gov.*

Dated: February 29, 2012.

Jennifer Spaeth,

Director, Office of Federal Advisory Committee Policy.

[FR Doc. 2012–5425 Filed 3–5–12; 8:45 am]

BILLING CODE 4140–01–P

DEPARTMENT OF HEALTH AND HUMAN SERVICES

National Institutes of Health

National Institute of Allergy and Infectious Diseases; 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 Allergy and Infectious Diseases Special Emphasis Panel; Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Research Training Grants (Parent T32).

Date: March 30, 2012.

Time: 9:30 a.m. to 12:30 p.m.

Agenda: To review and evaluate grant applications.

Place: National Institutes of Health, 6700B Rockledge Drive, Bethesda, MD 20817, (Telephone Conference Call).

Contact Person: Sujata Vijh, Ph.D., Scientific Review Officer, Scientific Review Program, Division of Extramural Activities, NIAID/NIH/DHHS, 6700B Rockledge Drive, MSC 7616, Bethesda, MD 20892–7616, 301–594–0985, *vijhs@niaid.nih.gov.*

(Catalogue of Federal Domestic Assistance Program Nos. 93.855, Allergy, Immunology, and Transplantation Research; 93.856, Microbiology and Infectious Diseases Research, National Institutes of Health, HHS)

Dated: February 29, 2012.

Jennifer S. Spaeth,

Director, Office of Federal Advisory Committee Policy.

[FR Doc. 2012–5423 Filed 3–5–12; 8:45 am]

BILLING CODE 4140–01–P

DEPARTMENT OF HEALTH AND HUMAN SERVICES

National Institutes of Health

National Institute on Deafness and Other Communication Disorders; 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 a meeting of the Board of Scientific Counselors, NIDCD.

The meeting will be closed to the public as indicated below in accordance with the provisions set forth in section 552b(c)(6), Title 5 U.S.C., as amended for the review, discussion, and evaluation of individual intramural programs and projects conducted by the National Institute on Deafness and Other Communication Disorders, including consideration of personnel qualifications and performance, and the competence of individual investigators, the disclosure of which would constitute a clearly unwarranted invasion of personal privacy.

Name of Committee: Board of Scientific Counselors, NIDCD.

Date: March 22, 2012.

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

Agenda: To review and evaluate personal qualifications and performance, and competence of individual investigators.

Place: National Institutes of Health, 5 Research Court, Rockville, MD 20852 (Telephone Conference Call).

Contact Person: Andrew J. Griffith, Ph.D., MD, Director, Division of Intramural Research, National Institute on Deafness and Other Communication Disorders, 5 Research Court, Room