

HIV-positive adults. VRC01 is currently being evaluated in a phase II clinical trial for prevention of HIV-1 acquisition.

This technology is available for licensing for commercial development in accordance with 35 U.S.C. 209 and 37 CFR part 404, as well as for further development and evaluation under a research collaboration.

#### Potential Commercial Applications

- Monoclonal antibodies to treat and/or diagnose HIV and/or AIDS
- Immunoassays and kits

#### Competitive Advantages

- Monoclonal neutralizing antibodies prevent viral entry into cells
- Monoclonal neutralizing antibodies can be used for vaccine design and to develop diagnostics for HIV-1

#### Development Stage

- In vitro data available
- In vivo data available (animal)
- In vivo data available (human)
- Clinical Phase I

*Inventors:* John Mascola, Mark Connors, Peter Kwong, Gary Nabel, Mario Roederer, Xueling Wu (all from NIAID).

#### Publications

- Nabel G et al. (2015) Broadly Neutralizing Human Immunodeficiency Virus Type 1 Antibody Gene Transfer Protects Nonhuman Primates from Mucosal Simian-Human Immunodeficiency Virus Infection. *J Virol.* 89(16):8334–45. [PMID:26041300].
- Nabel G et al. (2014) Enhanced potency of a broadly neutralizing HIV-1 antibody in vitro improves protection against lentiviral infection in vivo. *J Virol.* 88(21):12669–82. [PMID:25142607].
- Wu X et al. (2010) Immunotypes of a quaternary site of HIV-1 vulnerability and their recognition by antibodies. *J Virol.* 2011; 85(9):4578–85. [PMID:21325411].
- Zhou T et al. (2010) Structural basis for broad and potent neutralization of HIV-1 by antibody VRC01. *Science.* 329(5993):811–7. [PMID: 20616231].

*Intellectual Property:* HHS Reference No: E-300-2009 and E-051-2012. The E-300-2009 family includes U.S. Patent Application. 13/498,286, filed March 23, 2012 (Issued); Australia Patent Application 2010298025, filed September 24, 2010 (Issued); China Patent Application 201080053616.5 filed September 24, 2010 (Issued); E.U. Patent Application 10760878.8 filed

September 24, 2010 (Pending); India Patent Application 588/KOLNP/2012 filed March 13, 2012 (Pending); South Africa Patent Application 212/02116 filed September 24, 2017 (Pending); Canada Patent Application. 2274636 filed September 24, 2017 (Pending).

The E-051-2012 family includes U.S. Patent Application 14-363,740, filed June 6, 2014 (Issued); Australia Patent Application. 2012347453, filed December 10, 2010 (Issued); China Patent Application 201280069415.3, filed December 10, 2012 (Pending); E.U. Patent Application 1285597.6, filed December 10, 2012 (Pending); Indian Patent Application 4661/DELNP/2014, filed December 10, 2012 (Pending); South Africa Patent Application 2014/04077, filed December 10, 2012 (Pending).

*Licensing Contact:* Dr. Vince Contreras, 240-669-2823; [Vince.Contreras@nih.gov](mailto:Vince.Contreras@nih.gov).

*Collaborative Research Opportunity:* The National Institute of Allergy and Infectious Diseases is seeking statements of capability or interest from parties interested in collaborative research to further develop, evaluate or commercialize Monoclonal antibodies to treat and/or diagnose HIV and/or AIDS.

For collaboration opportunities, please contact Dr. Vince Contreras, 240-669-2823; [Vince.Contreras@nih.gov](mailto:Vince.Contreras@nih.gov).

Dated: September 1, 2017.

**Suzanne Frisbie,**  
*Deputy Director, Technology Transfer and Intellectual Property Office, National Institute of Allergy and Infectious Diseases.*

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**BILLING CODE 4140-01-P**

## DEPARTMENT OF HEALTH AND HUMAN SERVICES

### National Institutes of Health

#### Eunice Kennedy Shriver National Institute of Child Health and Human Development; 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:* National Institute of Child Health and Human Development Initial Review Group Reproduction, Andrology, and Gynecology Subcommittee.

*Date:* October 20, 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:* Dennis E. Leszczynski, Ph.D., Scientific Review Administrator Division of Scientific Review National Institute of Child Health and Human Development, NIH, 6710B Bethesda Drive, Bethesda, MD 20892, (301) 435-2717, [leszczyd@mail.nih.gov](mailto:leszczyd@mail.nih.gov).

*Name of Committee:* National Institute of Child Health and Human Development Special Emphasis Panel; Point of Care Technologies for the Evaluation and Management of Obstetrics, Neonatal, and Pediatric Critical Care Patients, and for Patients With Disorders of Reproductive Tract and Infertility.

*Date:* November 6, 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:* Sathasiva B. Kandasamy, Ph.D., Scientific Review Administrator Division of Scientific Review National Institute of Child Health and Human Development, 6710B Bethesda Drive, Bethesda, MD 20892, (301) 435-6680, [skandas@mail.nih.gov](mailto:skandas@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: September 5, 2017.

**Michelle Trout,**

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

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## DEPARTMENT OF HEALTH AND HUMAN SERVICES

### National Institutes of Health

#### National Institute of Nursing Research Notice of Closed Meeting

Pursuant to section 10(d) of the Federal Advisory Committee Act, as amended, 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