

Intellectual Property: HHS Reference No. E-126-2020-0-US-01 ; U.S Patent Application 63/072,519 filed August 31, 2020.

Licensing Contact: Brian W. Bailey, Ph.D.; 301-594-4094; bbailey@mail.nih.gov.

Dated: September 25, 2020.

National Heart, Lung, and Blood Institute,
Office of Technology Transfer and Development.

[FR Doc. 2020-21710 Filed 9-30-20; 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 to achieve expeditious commercialization of results of federally-funded research and development.

FOR FURTHER INFORMATION CONTACT:

Licensing information may be obtained by communicating with Vidita Choudhry, Ph.D., National Heart, Lung, and Blood, Office of Technology Transfer and Development, 31 Center Drive, Room 4A29, MSC2479, Bethesda, MD 20892-2479; telephone: 301-594-4095; email: vidita.choudhry@nih.gov. A signed Confidential Disclosure Agreement may be required to receive any unpublished information.

SUPPLEMENTARY INFORMATION:

Technology description follows.

Reducing Bloodstream Neutrophils as a Treatment for Lung Infection and Inflammation

During lung infection, bloodstream neutrophils (PMNs) responding to infection travel to the airspace lumen. Although successful arrival of microbicidal PMNs to the airspace is essential for host defense against inhaled pathogens, excessive accumulation of PMNs in the lung contributes to the pathogenesis of several prevalent lung disorders, including acute lung injury, bronchiectasis, and chronic obstructive pulmonary disease (COPD). Unfortunately, there is no treatment for controlling PMN accumulation in the lung. The subject invention describes epithelial membrane protein 2 (EMP2)

as a lung epithelial protein that regulates PMN entry into the inflamed airspace. EMP2 knockout mice have reduced PMN accumulation and exhibit increased survival during bacterial infection. Inhibition of EMP2 can potentially reduce intra airway PMN accumulation and provide a specific treatment for various lung disorders.

Potential Commercial Applications

Development of EMP2 inhibitor for treatment of neutrophil-dependent lung disorders, such as:

- Acute lung injury
- pneumonia (bacterial, viral, fungal)
- bronchiectasis
- COPD and asthma
- radiation- or chemotherapeutic-induced pneumonitis
- idiopathic or induced interstitial lung disease
- bronchopulmonary dysplasia
- lung transplant rejection

Competitive Advantages

- EMP2 can selectively target PMN accumulation in the lung, rather than broadly affecting PMN trafficking through all tissues.

Development Stage

- Early stage
- *In vitro* and *in vivo* (animal) data available

Inventors: Michael Brian Fessler (NIEHS), Carmen J. Williams (NIEHS), and Wan-Chi Lin (NIEHS).

Intellectual Property: HHS Reference No. E-125-2018-0; U.S Provisional Patent Application 62/664,805 filed April 30, 2018, International Patent Application PCT/US2019/29801 filed on April 30, 2019.

Publications: Lin WC, Gowdy KM, Madenspacher JH, *et al.* Epithelial membrane protein 2 governs transepithelial migration of neutrophils into the airspace. *J Clin Invest.* 2020;130(1):157-170.

Licensing Contact: Vidita Choudhry, Ph.D.; 301-594-4095; vidita.choudhry@nih.gov. This notice is made in accordance with 35 U.S.C. 209 and 37 CFR part 404.

Dated: September 28, 2020.

Vidita Choudhry,

Technology Development Specialist, National Heart, Lung, and Blood Institute, Office of Technology Transfer and Development.

[FR Doc. 2020-21709 Filed 9-30-20; 8:45 am]

BILLING CODE 4140-01-P

DEPARTMENT OF HEALTH AND HUMAN SERVICES

National Institutes of Health

Prospective Grant of an Exclusive Patent License: Allogeneic Therapy Using an Armored Payload and Chimeric Antigen Receptors Targeting GPC3

AGENCY: National Institutes of Health, HHS.

ACTION: Notice.

SUMMARY: The National Cancer Institute, an institute of the National Institutes of Health, Department of Health and Human Services, is contemplating the grant of an Exclusive Patent License to practice the inventions embodied in the Patents and Patent Applications listed in the Supplementary Information section of this notice to Senti Biosciences, Inc. ("Senti") located in South San Francisco, CA.

DATES: Only written comments and/or complete applications for a license which are received by the National Cancer Institute's Technology Transfer Center on or before October 16, 2020 will be considered.

ADDRESSES: Requests for copies of the patent application, inquiries, and comments relating to the contemplated an Exclusive Patent License should be directed to: David A Lambertson, Ph.D., Senior Technology Transfer Manager at Telephone at 240-276-5530 or Email at david.lambertson@nih.gov.

SUPPLEMENTARY INFORMATION:

Intellectual Property

The following represents the intellectual property to be licensed under the prospective agreement:

(A) U.S. Provisional Patent Application 61/654,232 entitled "High-affinity Monoclonal Antibodies To Glypican-3 And Use Thereof" [HHS Ref. E-136-2012-0-US-01], PCT Patent Application PCT/US2013/043633 entitled "High-affinity Monoclonal Antibodies To Glypican-3 And Use Thereof" [HHS Ref. E-136-2012-0-PCT-02], Chinese Patent 104520331 entitled "High-affinity Monoclonal Antibodies To Glypican-3 And Use Thereof" [HHS Ref. E-136-2012-0-CN-03], Japanese Patent 6494507 entitled "High-affinity Monoclonal Antibodies To Glypican-3 And Use Thereof" [HHS Ref. E-136-2012-0-JP-04], South Korean Patent Application 10-2014-7037046 entitled "High-affinity Monoclonal Antibodies To Glypican-3 And Use Thereof" [HHS Ref. E-136-2012-0-KR-05], Singapore Patent 11201407972R entitled "High-affinity