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Publications

Patents

Outcomes

Clinical Studies

News and More

← History

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Covid-related changes in Taste Epithelium

Project Number Former Number Cont 3R01DC014728- 5R01DC014728- PI/Pi 05S1 05 FING

Contact
PI/Project Leader
FINGER,
THOMAS E

Awardee
Organization
UNIVERSITY OF
COLORADO
DENVER



Abstract Text

PROJECT SUMMARY Disruption of the sense of taste is a common feature of **COVID**-19. The proposed supplement will investigate potential histopathological changes in taste buds and the surrounding epithelium of the tongue in patients who have lost their sense of taste during **COVID**-19. Biopsies of fungiform papillae will be obtained from a taste center in Germany which shall conduct psychophysical testing prior to sampling 4 fungiform papillae from patients recovering from **COVID**-19 – either with or without taste loss. We will analyze these samples molecularly and histologically to test for presence of residual virus and for changes in taste bud number, morphology or cellular composition.

Public Health Relevance Statement

PROJECT NARRATIVE Disruption of the sense of taste, dysgeusia, now is recognized as one of the common features of COVID-19. The proposed supplement will examine the pathology and anatomical sequelae of COVID infection in taste bud biopsies from patients who have suffered dysgeusia during the course of the disease.

NIH Spending Category

Clinical Research Coronaviruses Dental/Oral and Craniofacial Disease

Emerging Infectious Diseases Infectious Diseases Neurosciences Nutrition

Project Terms

2019-nCoV **Address Affect Anatomy Antibodies Binding Sites Buffers Biochemical Biopsy** COVID-19 **Centers for Disease Control and Prevention (U.S.) Collaborations** Colorado **Double-Blind Method** Coronavirus Coughing **Diagnosis Disease Epithelial** Dysgeusia **Epithelium Fever Formalin Functional disorder Fungiform Papilla** Germany **Guidelines** Histologic Hour Human Infection Modality Molecular Morphology Nerve Oral mucous membrane structure **Palate** Pathology **Patient Self-Report Read More**

Details

Contact PI/ Project Other PIs Program Official

Leader Not Applicable Name

SULLIVAN, SUSAN L

Name

FINGER, THOMAS E

Title

Contact sullivas@mail.nih.gov

Thank you for your feedback!

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Back to Search Results

Description





Sub-Projects



Publications



Patents



Outcomes



Clinical Studies News and More



<u>History</u>



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Project Number Former Number Contact **Awardee** 3R01DC014728-5R01DC014728-PI/Project Leader Organization **UNIVERSITY OF 05S1** 05 FINGER, **THOMAS E COLORADO**

DENVER

City

Aurora Country

2020

UNITED STATES (US)

Organization Type Congressional District 06

SCHOOLS OF MEDICINE

Other Information

FOA Administering Institutes or PA-18-591 Centers **NATIONAL INSTITUTE ON Study Section DEAFNESS AND OTHER** COMMUNICATION **Award Notice DISORDERS** Fiscal Year Date

26-June-2020 **DUNS Number CFDA Code**

041096314 173 **Project Start** 01-July-2020 Date

DENVER

Project End 30-June-

Date 2021 **Budget Start** 01-July-2020 Date

30-June-**Budget End** 2021 Date

\$191,384

Project Funding Information for 2020

Total Funding Direct Costs Indirect Costs \$125,000 \$191,384 \$66,384

Funding IC Year 2020 NATIONAL INSTITUTE ON DEAFNESS AND OTHER COMMUNICATION \$191,384 **DISORDERS**

NIH Categorical Spending Click here for more information on NIH Categorical Spending Funding IC FY Total Cost by IC

NATIONAL INSTITUTE ON DEAFNESS AND OTHER COMMUNICATION DISORDERS

Sub Projects

No Sub Projects information available for 3R01DC014728-05S1

11/27/21, 10:50 PM RePORT) RePORTER

✓ Back to Search Results

Description



Sub-Projects



Patents

Outcomes

Clinical Studies

News and More

(L) History

Similar Projects

Covid-related changes in Taste Epithelium

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3R01DC014728- 5R01DC014728- PI/Project Leader Organization

05S1 05 FINGER, UNIVERSITY OF

THOMAS E COLORADO

DENVER

No Patents information available for 3R01DC014728-05S1

Outcomes

The Project Outcomes shown here are displayed verbatim as submitted by the Principal Investigator (PI) for this award. Any opinions, findings, and conclusions or recommendations expressed are those of the PI and do not necessarily reflect the views of the National Institutes of Health. NIH has not endorsed the content below.

No Outcomes available for 3R01DC014728-05S1

Clinical Studies

No Clinical Studies information available for 3R01DC014728-05S1

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Related News Releases

No news release information available for 3R01DC014728-05S1

History

No Historical information available for 3R01DC014728-05S1

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