

# College of Medicine 2020

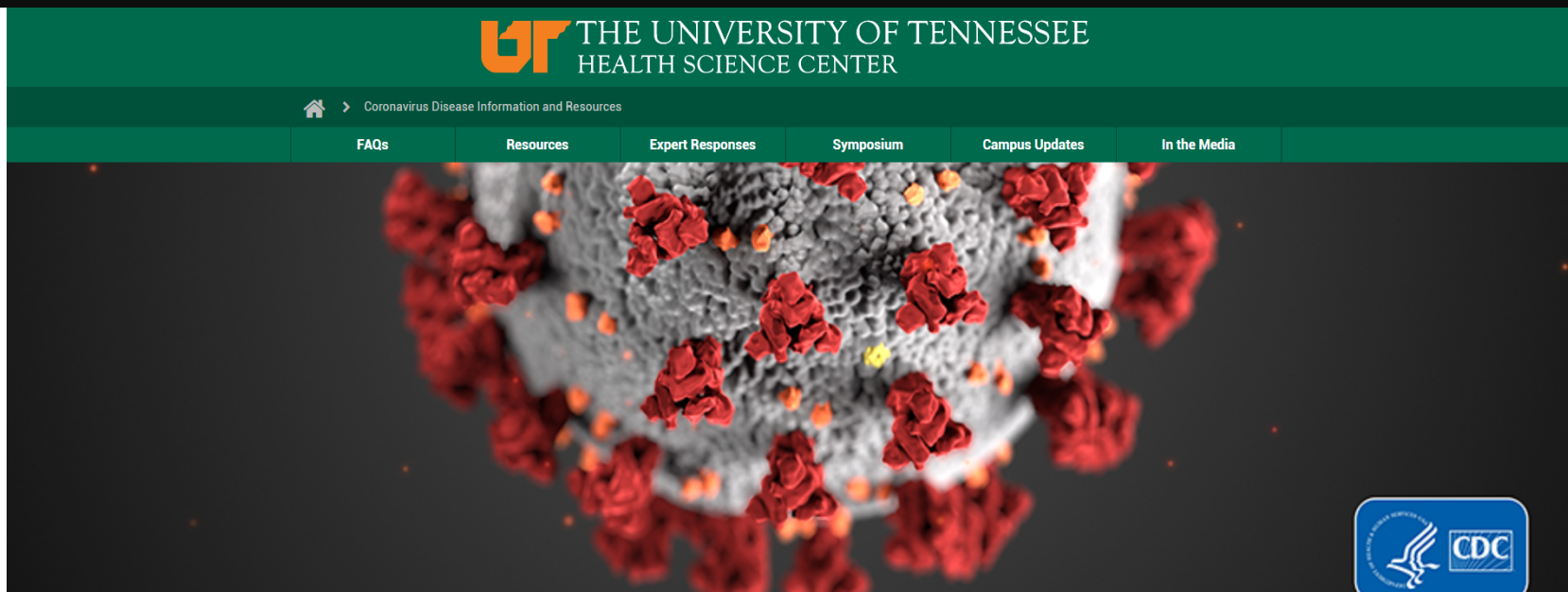


Scott E. Strome, MD

Robert Kaplan Executive Dean of the College of Medicine  
Vice Chancellor of Health Affairs  
University of Tennessee Health Science Center

Coronavirus Disease Information and Resources

# Community Outreach and Engagement: Coronavirus



## Coronavirus Disease Information and Resources

As Tennessee's public academic medical institution, the College of Medicine at the University of Tennessee Health Science Center is committed to providing information to the communities we serve about important topics such as the emergence of the novel coronavirus (SARS CoV-2) and the disease it is causing (COVID-19).

23,716 visitors viewed our site 41,887 times (2/27-5/11)



M Alan Burns, MPPA  
Communications Coordinator  
College of Medicine

# Community Engagement:

**Daily Memphian**  
TRUTH IN PLACE.

Search | About Us | Contact Us | Email Preferences | Store | Help

CORONAVIRUS METRO BUSINESS OPINION SPORTS ARTS & CULTURE FOOD SUBURBS NEIGHBORHOODS

Scott Strome

Dr. Scott Strome is the Robert Kaplan Executive Dean of the College of Medicine and vice chancellor for clinical affairs at the University of Tennessee Health Science Center.

## UTHSC dean: Current COVID antibody tests aren't always correct

By Scott Strome Updated: April 29, 2020 11:02 AM CT | Published: April 29, 2020 1:00 AM CT

**genomeweb**

Business & Policy Technology Research Diagnostics

Home » Business, Policy & Funding » Business News » FDA Grants Emergency Use Authorization for Sansure Biotech, UTHSC Coronavirus Tests

May 05, 2020 | staff reporter

### FDA Grants Emergency Use Authorization for Sansure Biotech, UTHSC Coronavirus Tests

NEW YORK — The US Food and Drug Administration has granted separate Emergency Use Authorizations for PCR-based SARS-CoV-2 tests developed by Hunan, China-based Sansure Biotech and the University of Tennessee Health Science Center (UTHSC).

**FOX 13** Weather News Fox13 Investigates Live Stream Coronavirus Level Up See on

### Health experts say pandemic could be taking a mental & emotional toll on children

Watch: Health experts say pandemic could be taking a mental & emotional toll on children

1 minute left

## Children's Mental Health Awareness

NEW AT 10  
**DR. ALTHA STEWART**  
UTHSC CENTER FOR HEALTH IN JUSTICE INVOLVED YOUTH

**WMC 5** WATCH LIVE NEWS WEATHER CORONAVIRUS COVERAGE

### UT campuses to welcome students back this fall with guidance from task force led by UTHSC professor

STATE

**Daily Memphian**  
TRUTH IN PLACE.

CORONAVIRUS METRO BUSINESS OPINION SPORTS ARTS & CULTURE FOOD SUBURBS NEIGHBORHOODS

### UTHSC takes huge strides in battle to ramp up testing

By Jane Roberts Updated: April 23, 2020 1:03 PM CT | Published: April 23, 2020 4:00 AM CT

**FOX 13** Weather

BREAKING NEWS | LIVE UPDATES: Cor

FROST ADVISORY IS IN EFFECT

### UTHSC students volunteer on the frontlines at COVID-19 testing sites

WATCH: UTHSC students volunteer on the frontlines at COVID-19 testing sites

1 minute left

**Daily Memphian**  
TRUTH IN PLACE.

CORONAVIRUS METRO BUSINESS OPINION SPORTS ARTS & CULTURE FOOD SUBURBS NEIGHBORHOODS

CITY OF MEMPHIS SHELBY COUNTY STATE GOVERNMENT EDUCATION CRIMINAL JUSTICE DAILY BRIEFS BICENTENNIAL ELECTIONS SPIRIT

### THE EARLY WORD

## The Early Word: Safer at home is staying put, and UTHSC grabs its cape

By Mary Cashola Updated: April 23, 2020 6:51 AM CT | Published: April 23, 2020 6:11 AM CT

Hey, Early Word-ers: it's Thursday, April 23. The NFL 2020 draft begins tonight, and at least one former Memphis player won't be watching — because he's too nervous about when

**FOX 13** Weather

CORONAVIRUS COVERAGE

### UTHSC health expert answers questions about coronavirus as states reopen economy

DOCTOR ANSWERS COVID-19 QUESTIONS

4:30 78° WMC 5

ely with Shelby Co. & other metropolitan areas for separate re-opening st



# UTHSC Response to COVID-19: *Drive Through Testing*



David Schwartz, MD  
Interim Chair, Radiation Oncology

# UTHSC Response to COVID-19: *PCR Tests and More*



May 3, 2020

Tim Hodge  
Director of Operations  
UTMG Pathology, LLC  
930 Madison Avenue, Suite 500  
Memphis, TN 38163 U.S.

Re: EUA200338  
Trade/Device Name: UTHSC/UCH SARS-CoV-2-RT-PCR Assay  
Laboratory: UTMG Pathology Laboratory

Dated: April 14, 2020  
Received: April 14, 2020



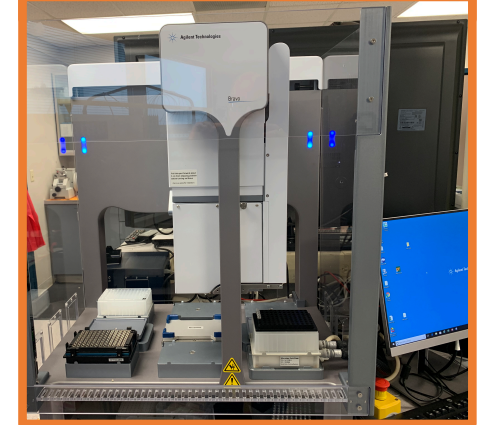
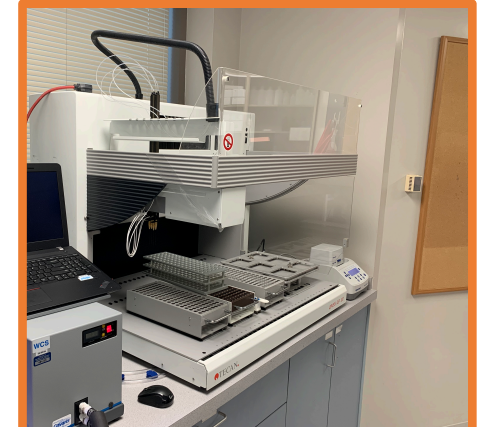
Mahul Amin, MD  
Chair Pathology



Neil Hayes, MD  
Chief of Heme/Onc



Tim Hodge  
UCH Director of Operations



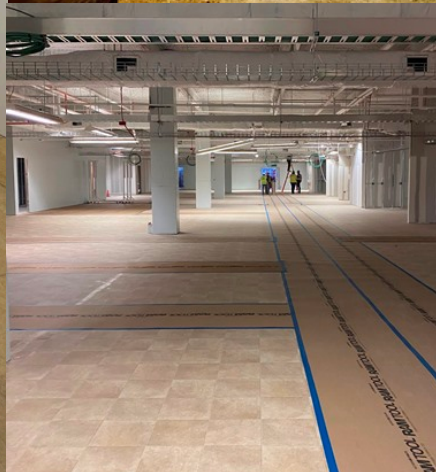
# UTHSC Response to COVID-19: FDA Grants Emergency Use Authorization to UTHSC

Date EUA Issued	Laboratory	Letter Granting Inclusion under EUA	EUA Summary
5/3/2020	UTMG Pathology Laboratory	<a href="#">UTHSC/UCH SARS-CoV-2-RT-PCR Assay</a>	<a href="#">EUA Summary</a>
4/30/2020	Altru Diagnostics, Inc.	<a href="#">Altru Dx SARS-CoV-2 RT-PCR assay</a>	<a href="#">EUA Summary</a>
4/28/2020	Biocerna	<a href="#">SARS-CoV-2 Test</a>	<a href="#">EUA Summary</a>
4/27/2020	Nationwide Children's Hospital	<a href="#">SARS-CoV-2 Assay</a>	<a href="#">EUA Summary</a>
4/24/2020	Ultimate Dx Laboratory	<a href="#">UDX SARS-CoV-2 Molecular Assay</a>	<a href="#">EUA Summary</a>
4/24/2020	AIT Laboratories	<a href="#">SARS-CoV-2 Assay</a>	<a href="#">EUA Summary</a>
4/23/2020	Southwest Regional PCR Laboratory LLC. dba MicroGen DX	<a href="#">COVID-19 Key</a>	<a href="#">EUA Summary</a>
4/22/2020	Diatherix Eurofins Laboratory	<a href="#">SARS-CoV-2 PCR Test</a>	<a href="#">EUA Summary</a>
4/20/2020	Mayo Clinic Laboratories, Rochester, MN	<a href="#">SARS-CoV-2 Molecular Detection Assay</a>	<a href="#">EUA Summary</a>
4/15/2020	Hackensack University Medical Center (HUMC) Molecular Pathology Laboratory	<a href="#">CDI Enhanced COVID-19 Test</a>	<a href="#">EUA Summary</a>
4/15/2020	CirrusDx Laboratories	<a href="#">CirrusDx SARS-CoV-2 Assay</a>	<a href="#">EUA Summary</a>
4/14/2020	Infectious Diseases Diagnostics Laboratory (IDDL), Boston Children's Hospital	<a href="#">Childrens-Altona-SARS-CoV-2 Assay</a>	<a href="#">EUA Summary</a>
4/14/2020	Exact Sciences Laboratories	<a href="#">SARS-CoV-2 Test</a>	<a href="#">EUA Summary</a>
4/13/2020	Integrity Laboratories	<a href="#">SARS-CoV-2 Assay</a>	<a href="#">EUA Summary</a>
4/13/2020	Pathology/Laboratory Medicine Lab of Baptist Hospital Miami	<a href="#">COVID-19 RT-PCR Test</a>	<a href="#">EUA Summary</a>
4/10/2020	Orig3n, Inc.	<a href="#">Orig3n 2019 Novel Coronavirus (COVID-19) Test</a>	<a href="#">EUA Summary</a>
4/10/2020	Rutgers Clinical Genomics Laboratory-Rutgers University	<a href="#">ThermoFisher - Applied Biosystems TaqPath COVID-19 Combo Kit</a>	<a href="#">EUA Summary</a>
4/10/2020	Specialty Diagnostic (SDI) Laboratories	<a href="#">SDI SARS-CoV-2 Assay</a>	<a href="#">EUA Summary</a>
4/10/2020	University of North Carolina Medical Center	<a href="#">UNC Health SARS-CoV-2 real-time RT-PCR test</a>	<a href="#">EUA Summary</a>
4/8/2020	Stanford Health Care Clinical Virology Laboratory	<a href="#">Stanford SARS-CoV-2 assay</a>	<a href="#">EUA Summary</a>
4/6/2020	Viracor Eurofins Clinical Diagnostics	<a href="#">Viracor SARS-CoV-2 assay</a>	<a href="#">EUA Summary</a>
4/3/2020	Massachusetts General Hospital	<a href="#">MGH COVID-19 qPCR assay</a>	<a href="#">EUA Summary</a>
4/2/2020	Diagnostic Molecular Laboratory œNorthwestern Medicine	<a href="#">SARS-Cov-2 Assay</a>	<a href="#">EUA Summary</a>
4/2/2020	Infectious Disease Diagnostics Laboratory - Children's Hospital of Philadelphia	<a href="#">SARS-CoV-2 RT-PCR test</a>	<a href="#">EUA Summary</a>
3/31/2020	Yale New Haven Hospital, Clinical Virology Laboratory	<a href="#">SARS-CoV-2 PCR test</a>	<a href="#">EUA Summary</a>

# UTHSC Response to COVID-19: *Field Hospital*

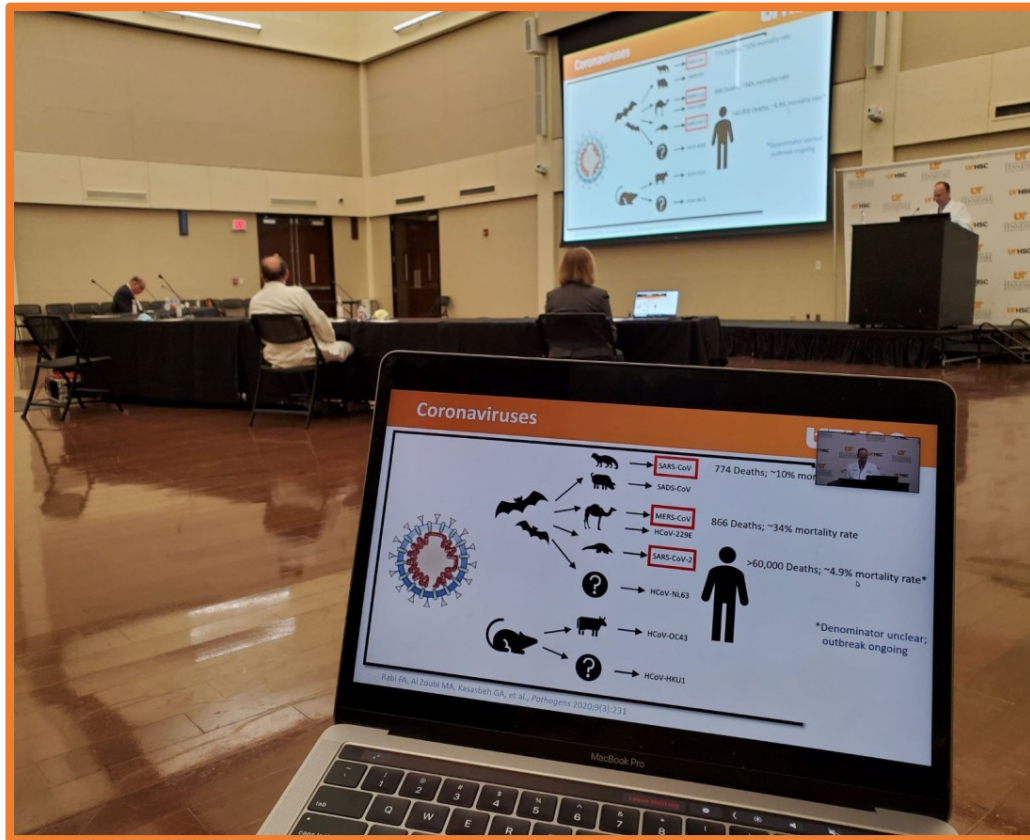


# UTHSC Response to COVID-19: *Field Hospital*





# UTHSC Response to COVID-19: *Symposium*



## **Introduction**

Scott Strome, MD  
Executive Dean of the College of Medicine

## **The Coronavirus Pandemic**

Jon McCullers, MD  
Professor and Chair of the Department of Pediatrics

## **Hospital Preparedness to Combat Emerging Infections**

Nicholas Hysmith, MD  
Assistant Professor Pediatrics – Infectious Disease

## **Transmission Routes of COVID-19 and Controls in the Dental Practice**

James Ragain, DDS, MS, PhD  
Dean of the College of Dentistry

## **Public Health Preparation and Response to COVID-19**

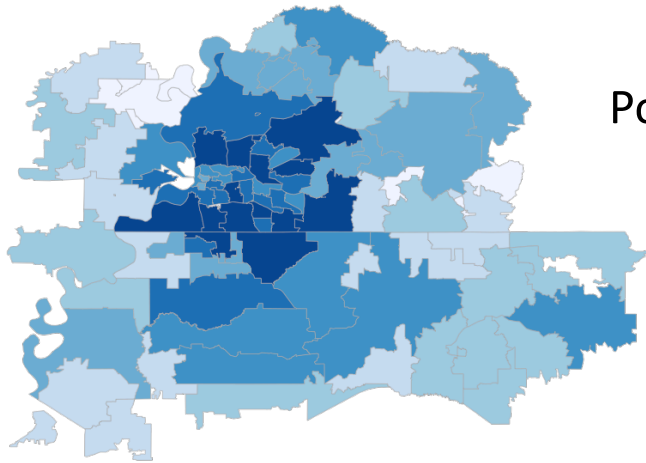
Alisa Haushalter, DNP, RN, PHNA-BC  
Director, Shelby County Health Department

## **Regional Biocontainment Lab and the New Coronavirus**

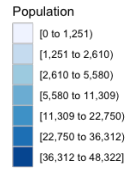
Colleen Jonsson, PhD  
Director, Regional Biocontainment Laboratory (RBL) at UTHSC

Plus >1500 online registrants

Population in the Memphis Metropolitan Area by ZIP-Code

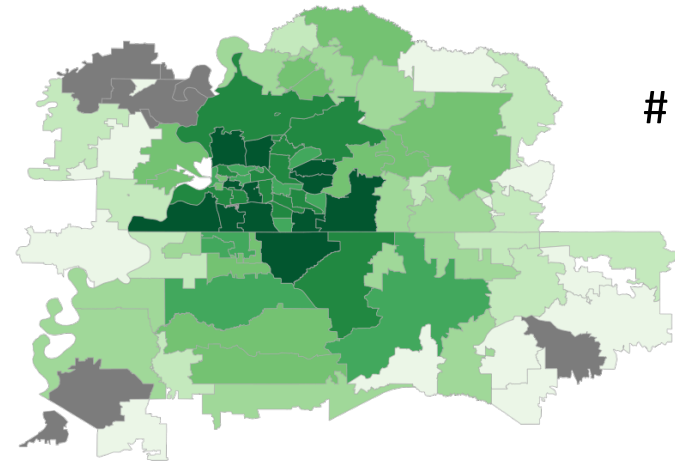


Population

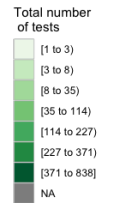


Source: UTHSC College of Medicine | Preventive Medicine | Biostatistics.

SARS-CoV-2 Testing in the Memphis Metropolitan Area  
MLH and UTHSC Community Drive as of May 4, 2020

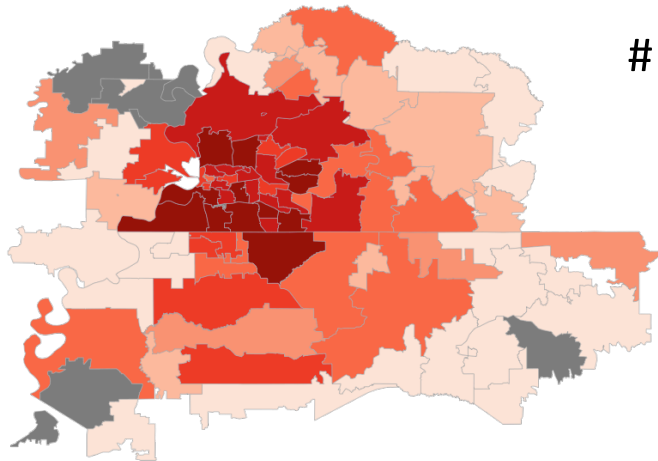


# of Tests

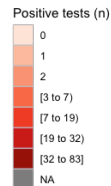


Source: UTHSC College of Medicine | Preventive Medicine | Biostatistics.

SARS-CoV-2 Testing in the Memphis Metropolitan Area  
MLH and UTHSC Community Drive as of May 4, 2020

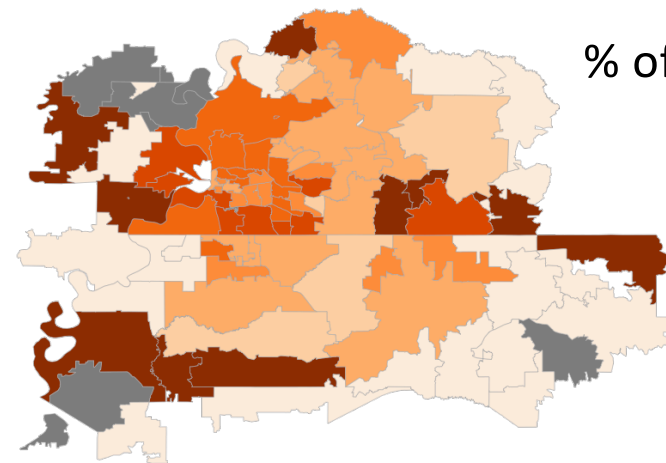


# Positive Tests

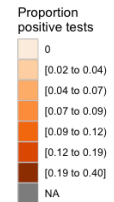


Source: UTHSC College of Medicine | Preventive Medicine | Biostatistics.

SARS-CoV-2 testing in the Memphis Metropolitan Area  
MLH and UTHSC Community Drive as of May 4, 2020



% of Positive Tests



Source: UTHSC College of Medicine | Preventive Medicine | Biostatistics.

Source: UTHSC College of Medicine | Preventive Medicine | Biostatistics.



Fridjhof Thomas, PhD  
Associate Professor  
Preventive Medicine



Mehmet Kocak, PhD  
Associate Professor  
Preventive Medicine



# UTHSC Response to COVID-19: *What are we doing now?*

New testing modalities  
Vaccines  
Disease models  
Therapeutics -ORNL



Colleen B. Jonsson, PhD  
Van Vleet Chair of Excellence in Virology  
Director, Regional Biocontainment Laboratory

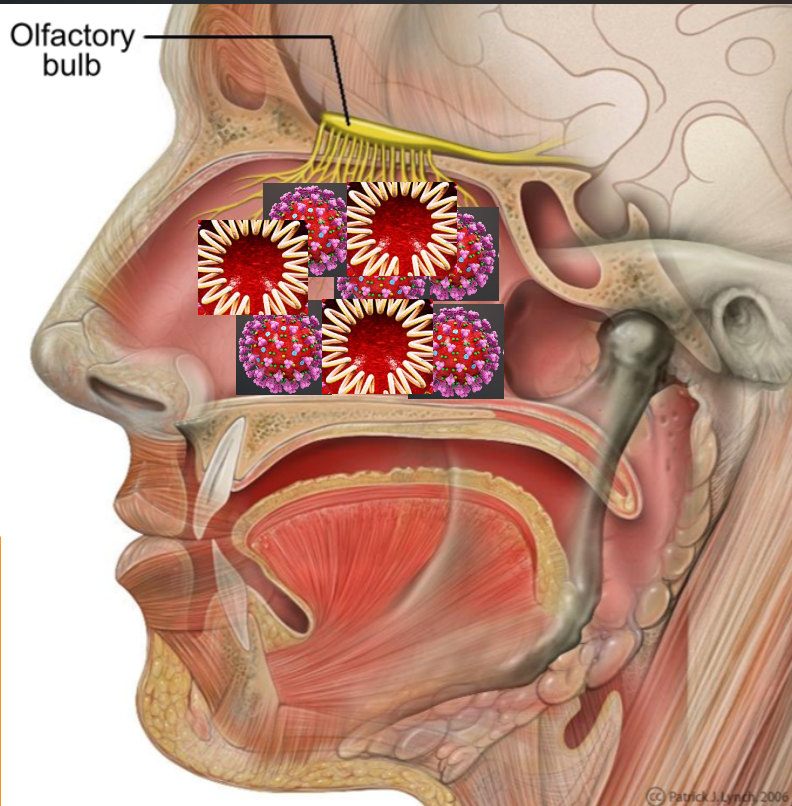
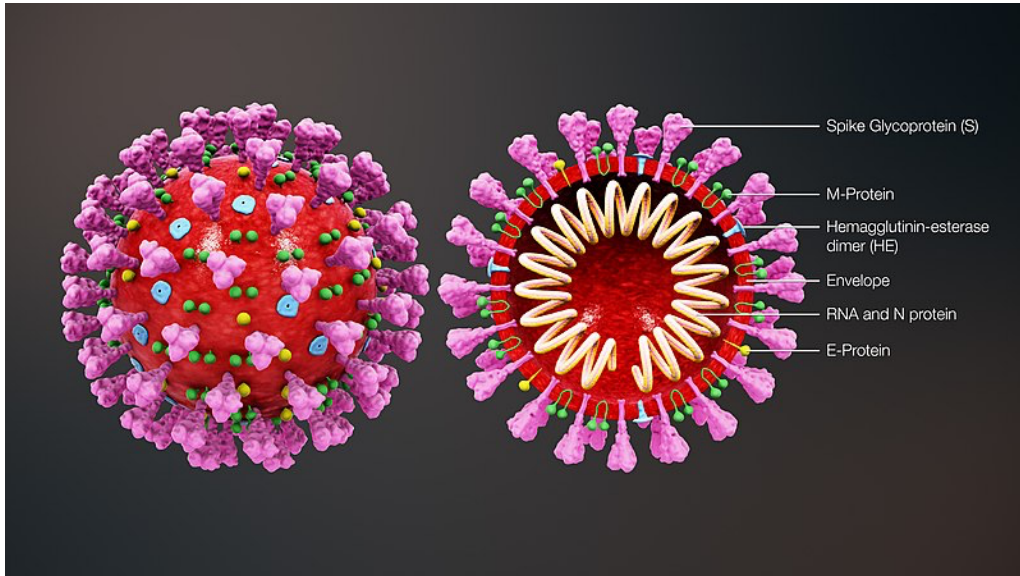
# UTHSC Response to COVID-19: *Regional Biocontainment Lab (RBL)*

Basic and translational  
research for Biosafety  
Level 3 (BSL3) Pathogens

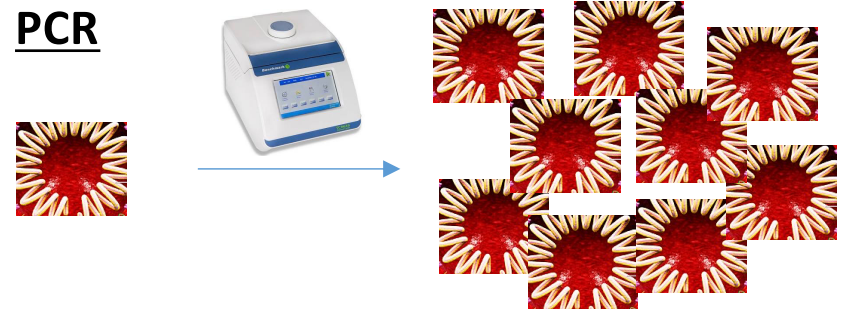
Que 1. Animal Models?



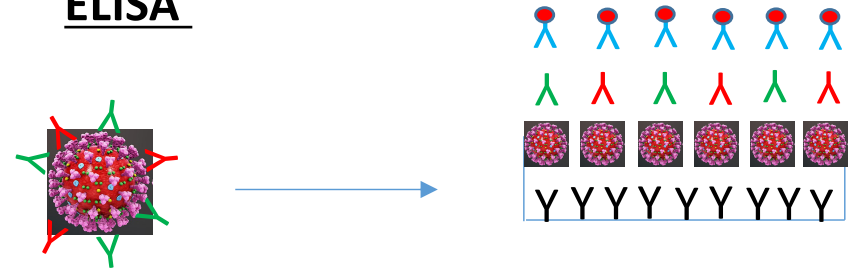
# UTHSC Response to COVID-19: *Testing*



## PCR



## ELISA



## Neutralization Assay

