

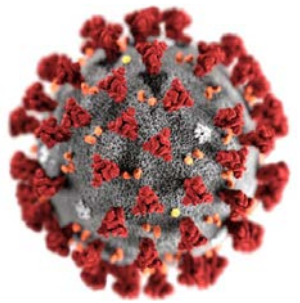
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**CURE  
ALLIANCE:  
COVID-19  
UNIFIED  
RESEARCH  
EXPERTS**

**DR. BECKY  
DUTCH**

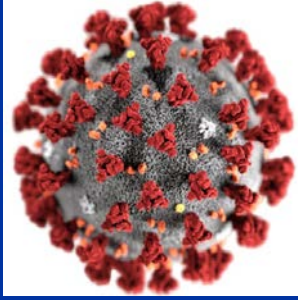
## Goals:

- Assess the rapidly emerging data and studies on repurposed drugs, looking at national trends and drug supplies, and advising on potential clinical studies at UKHC
- Discuss rapidly emerging studies on COVID-19 and SARS-CoV-2 to better inform clinical care and research
- Work with units at UK to empower COVID-19/SARS-CoV-2 research



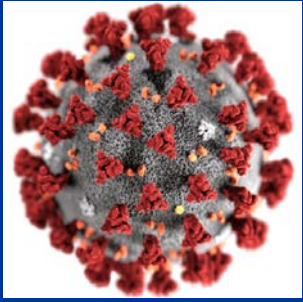
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# CURE ALLIANCE TEAM



- **Becky Dutch, Biochemistry**
- John Bauer, Pediatrics
- Ken Campbell, Physiology/CCTS
- Lisa Cassis, VPR
- Robert DiPaola, Dean, College of Medicine
- Derek Forster, Hospital Epidemiologist
- Beth Garvy, Microbiology
- Matt Gentry, Biochemistry
- Kip Guy, Dean, College of Pharmacy
- Phil Kern, CCTS
- Peter Morris, Int. Med./Pulmonary
- Thein Myint, Infectious Disease
- Zach Porterfield, Micro/Infect Disease
- Vivek Rangnekar, Radiation Medicine/Markey Cancer Center
- Frank Romanelli, Pharmacy
- Alice Thornton, Infectious Diseases
- Chris Waters, Physiology
- Jerry Woodward, Microbiology

Along with many additional contributors!



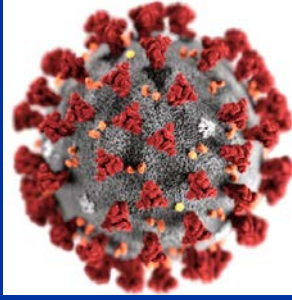
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## GOAL 1: ASSESS REPURPOSED DRUGS AND DEVELOPMENTAL DRUGS, ADVISE ON POTENTIAL CLINICAL STUDIES AT UKHC

- Literature analysis/discussion of key repurposed drugs such as CQ, HCQ, azithromycin, ivermectin, camostat mesolyate, etc
- Detailed discussion of drugs in development such as remdesivir, soluble ACE2, etc.
- Analysis of current clinical trials, including PETAL trial (UK:Pete Morris)

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# CLINICAL TRIALS IN PREPARATION OR DISCUSSION



**Povidone-Iodine Intranasal for Prophylaxis in front-line Physicians and Inpatients during the SARS-CoV2 Pandemic (PIPPI):IRB approved**

**Alexandra Kejner, Zach Porterfield, Rony Aouad, Adam Bastin, Melissa Batin, Matt Bush, Brett Comer, Laura Ebbit, Derek Forster, Thomas Gal, Nikita Gupta, Raleigh Jones, Joseph Valentino**

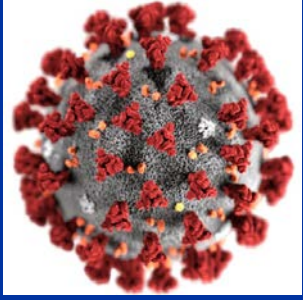
**Adaptive, multi-arm phase II trial of novel agents for treatment of high-risk COVID19 positive patients: Launched**

**Susanne Arnold, Zach Porterfield, Therese Bocklage, Miguel Villalona Calero, Rebecca Dutch, Jared Hammill, Elijah Kakani, Jill Kolesar, Zin Myint, Frank Romanelli, Alice Thornton, Heidi Weiss, Donglin Yang, Robert DiPaola, Kip Guy, Phil Kern**

**Serological Testing for Accelerating Recovery and Transition: In Development**

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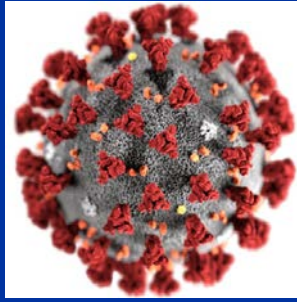
## GOAL 2: DISCUSS RAPIDLY EMERGING STUDIES ON COVID-19 AND SARS-COV-2 TO BETTER INFORM CLINICAL CARE & RESEARCH



- Presentations by various UK experts, including:
  - Lisa Cassis: ACE2 and SARS-CoV-2 infection
  - Tim McClintock and Linda Dvoskin: COVID-10 and the CNS
  - James Keck, Shakira Hobbs and Scott Berry: sampling wastewater for COVID-19 surveillance
- Discussion of rapidly evolving literature

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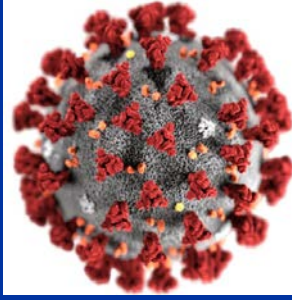
# GOAL 3: WORK WITH UNITS AT UK TO EMPOWER COVID-19/SARS-COV-2 RESEARCH



- Broad IRB approval and protocol for centralization of COVID-19 patient samples:
  - Ken Campbell, Phil Kern, and Marietta Barton-Baxter, CCTS/MCC
  - Working with other research teams/trials to further build biobank
- Development of a SARS-CoV-2 serological assay:
  - Martin Chow, Matt Gentry, Louis Hersh, Darryl Jennings, Morgan McCoy, Jennifer Moylan, Craig Vander Kooi, Vince Venditto, Jerry Woodward
  - Working with UKHC Clinical Lab (Darryl Jennings, Morgan McCoy), who have CLIA certified Serology testing in place with Abbott Architect

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# GOAL 3: WORK WITH UNITS AT UK TO EMPOWER COVID-19/SARS-COV-2 RESEARCH



- Creation of a COVID-19/SARS-CoV-2 pilot grant program in conjunction with the VPR and CCTS: First grants already funded
  - <https://www.ccts.uky.edu/media/1819>
  - Goal is small grants which provide resources needed to get experiments started and get the data needed to obtain external funding
  - Absolutely must be COVID-19 or SARS-CoV-2 related to be considered for funding
  - Funds for these are coming from the VPR, COM, COBRE grants, etc
- Two additional CURE Alliances to address other research needs, headed by Brad Berron (College of Engineering) and Julie Cerel (College of Social Work) – also to be run with CCTS.