

# CTSC External Advisory Committee Meeting December 7, 2021







Louis Stokes Cleveland VA Medical Center



# Zoom Reminders

- Video Camera
  - EAC Members: on during the entire meeting
  - Presenters: on only when your group is presenting
  - Others: off during the entire meeting, on when contributing
- Audio
  - All: remain muted unless speaking
  - If you are using phone audio, mute and unmute is \*6
- Chat Feature will be reserved for questions and comments from the EAC members



### **External Advisory Committee Members**



Daniel Cooper, MD Univ of California-Irvine



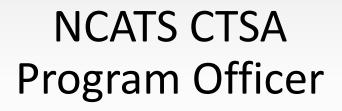
Patrick Flume, MD Medical Univ South Carolina

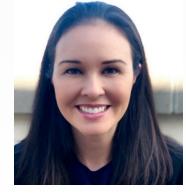


Rebecca Jackson, MD The Ohio State University



Sean Mooney, PhD Univ of Washington





Jamie Doyle, PhD Program Director



Philip Payne, PhD Washington University



Julian Solway, MD Univ of Chicago



John Yates, PhD Scripps Research Institute



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#### (Day 1)



#### In Memoriam Dr. James E. Heubi, MD – 1948-2021 Center for Clinical and Translational Science and Training (CCST) Director



"As a clinician, he treated many children, restored smiles, and helped them grow well into adulthood. As a scientist, he developed a treatment that saved the livers and lives of children with bile acid defects. As a teacher, he guided many young physicians who now lead successful careers." Jorge Bezerra, MD, Director, Division of Gastroenterology, Hepatology and Nutrition







C Health





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# Pending Change in CTSC Leadership



#### Grace A. McComsey, MD, FIDSA

Associate PI, CTSC

Vice President of Research and Associate Chief Scientific Officer, University Hospitals Health System Director, UH Clinical Research Center Director, Dahms Clinical Research Unit Professor of Pediatrics and Medicine



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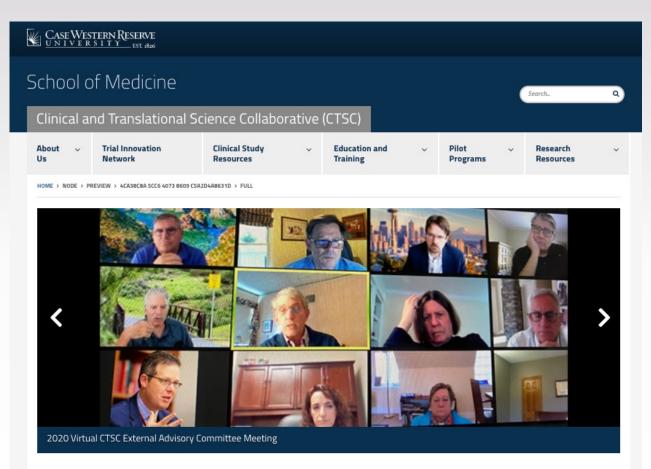
## Welcome and Comments from the New Dean



#### Stan Gerson, MD

Dean, School of Medicine Senior Vice President for Medical Affairs CWRU Director, Case Comprehensive Cancer Center (acting) Director National Center for Regenerative Medicine





#### 2021 CTSC External Advisory Committee

>	Reading	Materials
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> Meeting Agenda

> Slide Presentations

#### CASE WESTERN RESERVE UNIVERSITY EST. 1826 think beyond the possible'

CLINICAL AND TRANSLATIONAL SCIENCE COLLABORATIVE (CTSC)

Campus Location:

SOCIAL MEDIA

CWRU LINKS Apply to CWRU

Give Now

#### https://case.edu/medicine/ctsc/2021-externaladvisory-committee



# Agenda

### GENERAL SESSION (11:00 am - 3:00 pm EST)

- Welcome and Overview of the CTSC
- Overview of Plans for New Suite Submission
  10 MIN BREAK
- Element D: Health Informatics, CTS Pilots, Resources and Services
- Element C: WFD for CRPs, Community & Stakeholder Engagement 10 MIN BREAK
- Element E: CTS Research Program
- Training and Education Programs: R25, K12, and T32 Programs

**CLOSED SESSIONS** (3:00 – 4:00 pm EST)

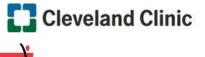
- Executive Session: EAC members only
- EAC Feedback and Recommendations to CTSC leadership





# Overview and Year 3-4 Highlights of the CTSC of Cleveland









Louis Stokes Cleveland VA Medical Center





Clinical and Translational Science Collaborative of Cleveland (CTSC)



### Our Mission:

To improve human health by streamlining science, transforming training environments and improving the conduct, quality and dissemination of clinical and translational research

### Our Vision:

A healthy Cleveland, Ohio, and America without disparities



### Highlights: COVID-19 Research Task Force

- A catalyst for collaborative research city-wide (co-led by Nora Singer, Assoc PI)
- 4 focus areas, 17 workgroups
- Facilitated grant applications and establishment of data and biorepositories

# COVID PILOT GRANT DISSEMINATION DAY

FRIDAY OCTOBER 29<sup>th</sup> 9:00AM-1:30 PM VIRTUAL EVENT

- C&C managed COVID-19 Rapid Response Pilot Program 7/20-6/21
- 48 submissions, 18 awards (\$500K). 7 funding entities, CTSC funded 5.
- Dissemination Day:
  - 190 city-wide attendees
  - Int'l vaccine keynote speaker



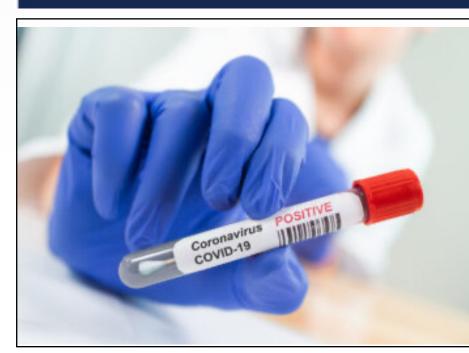
## Highlights: COVID-19 Research Task Force

- NEO-CURE. MPI McComsey, Singer, Zidar. \$17M/4 yrs.
- CWRU selected as 1 of 15 awarded sites (289 submissions) for PASC Adult Cohort





National Institutes of Health Researching COVID to Enhance Recovery



#### Post-COVID study to enroll more than 900 in Northeast Ohio

**NOVEMBER 9, 2021** 

Case Western Reserve University (CWRU) and its hospital partners, University Hospitals, the MetroHealth System, and the Louis Stokes Cleveland VA Medical Center, have received federal funding....

HEALTH & WELLNESS RESEARCH 3

- N=1000 (20K total)
- 4 year follow-up
- 4 Visits in year 1
- Blood and other specimens collected
- SDOH, metabolic and endocrine function, cardiac injury
- Deep phenotyping on a subset of patients
   CTSC

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# Highlights

- Academic-Community collaborative research support
  - Partnerships to reduce food insecurity, infant mortality, health disparities (Better Health Partnership, Greater Cleveland Food Bank, First Year Cleveland)
  - Launched CIRTification for our community (from Univ Illinois Chicago CTSA)
- Expansion of research into the community
  - UH Mobile Clinical Research Unit to increase recruitment of diverse and underrepresented minorities (aided community recruitment into COVID-19 studies)
  - New clinical trial finder (powered by Vanderbilt CTSA "Trials Today")
- HRC invested in study recruitment and start-up support
  - Developed an online Toolkit to help investigators navigate the study start-up process
  - Launched Project Management CTSC webpage and 4-part "Intro to Clinical Trial Project Management" YouTube video series
  - City-wide "Recruitment of Special Populations" focus group and YouTube video



# Highlights: Education and Training

- Informatics
  - Biomedical and Health Informatics (Certificate, MS, and PhD)
  - Clinical Informatics Fellowship Program
- C&C Team Science
  - Team Science Learning Modules on our YouTube channel
- TE: Entrepreneurship
  - Translational Fellows Program second year launch
  - Case Venture Mentoring Program expanded mentor pool
- Research Methods
  - BERD: Clinical Trials courses to med and grad students
  - RKS: Launched FDA Regulation in Entrepreneurship and CRM as a joint certificate program between SOM and WSOM
- TL1 Grant Writing Workshop selected for I2I 2022 Careers Metric

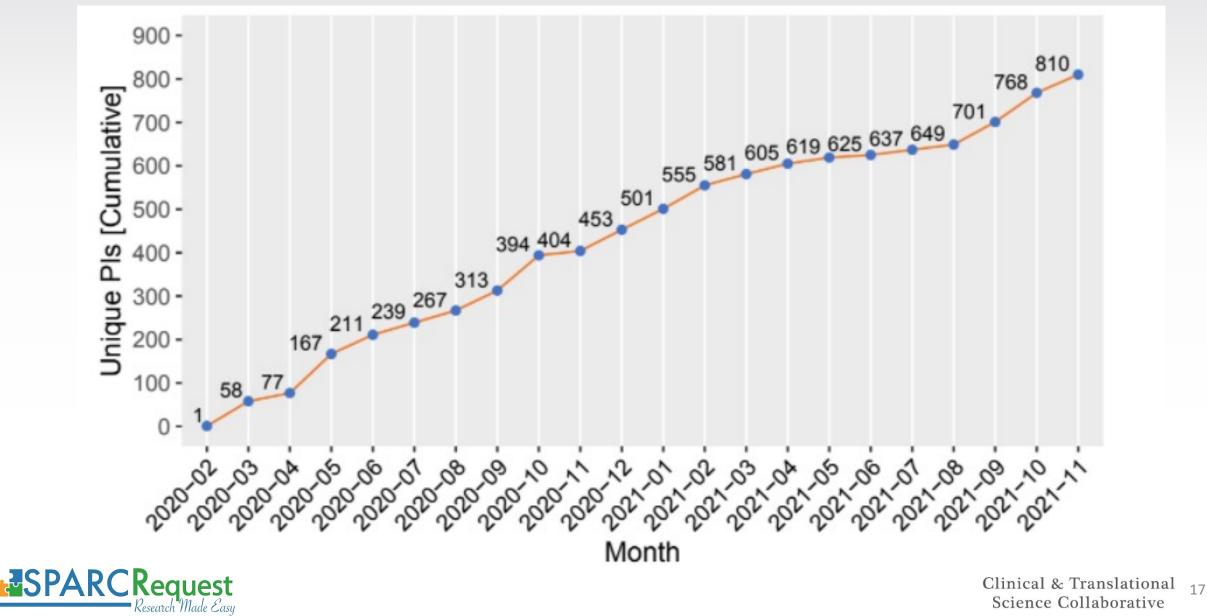
### Highlights

### • HRC research services to investigators

	<b>Yr01</b>	Yr02	Yr03-COVID	Yr04 –COVID (Annualized)
# Studies Served	772	626	895	689
# Subject Visits	7,924	7,798	5,707	7,693
# Subject Visit Hours	18,911	18,938	16,427	18,401
# Recruitment Consultations	46	31	67	92
# Project Management Support	6	30	35	68
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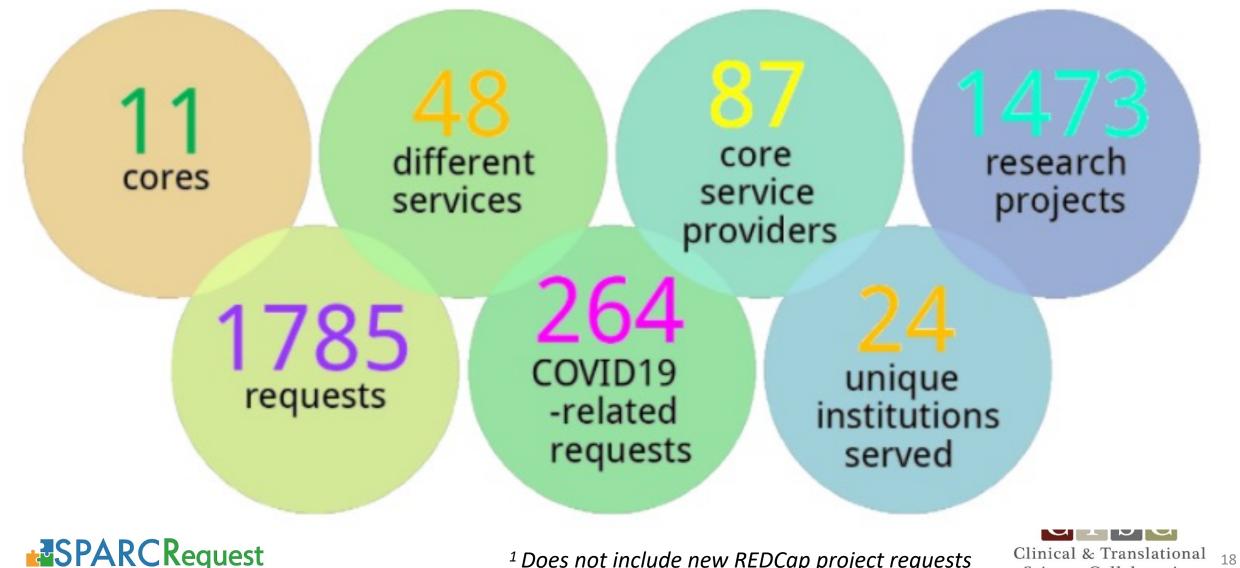
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### **Unique Pls in SPARC** Cumulative since Feb 2020



### **CTSC SPARC Request consultation activity**<sup>1</sup> Since Inception, Feb. 2020

Research Made Easy



<sup>1</sup> Does not include new REDCap project requests

Science Collaborative

### Highlights - Pilot Grant Program

Annual Pilot Awards: 4 awards; \$50,000, supported by CTSA Award

**Community and Collaboration Annual Pilots:** 1 award; interdisciplinary team with engaged stakeholders to address public health issues in clinical and translational research. \$30,000, supported by CTSA award

**Core Utilization Grant Awards:** CTSC Core Facilities; accepted, reviewed, and awarded monthly; e.g. BERD, Informatics, Imaging, cytometry, genomics. 30-35/year; \$10,000, supported by partner institutions

**Themed Pilot Awards:** Translational research in areas of special need; \$30,000-\$50,000, supported by institutional funds (COVID Pilots recent example)

### ROI: Since inception of CTSC: 2007 – Nov 2021\* Invested \$9.6 M / Impact \$121 M

\*Includes Annual, Community, Core Utilization, Themed



### **Highlights - Publications**

#### **Productivity**

**920** publications since 2018

29% ↑ in scholarly productivity compared to Nov 2020

#### Influence

Weighted Relative Citation Ratio *is* > 1.7x *the total number of publications* (1537/920)

& Mean RCR = 2.09

The NIH defines this as highly influential.

H National Institutes of Health Office of Portfolio Analysis CTSC Pubs 2018-2021

#### **Translation**

21% of have been cited by a clinical document

### **Expected Translation**

44% of all CSTC publications are expected to translate

(likelihood to be cited in clinical documents)



## **Collaborations with other Hubs**

- Informatics:
  - OHDSI Collaborative (multiple CTSA hubs), EMERSE (with U Mich Consortium), LEAF Consortium (with UW and governing group), ACE (with Stanford)
- Community & Collaboration:
  - Monthly meetings with Buffalo CTSA re health disparities and health equity
  - HEALing Communities Study: OSU (and Cinci)
- Translational Endeavors:
  - iCorps@NCATS: UAB lead with 15 CTSA hubs
  - Developed and refined training for health care entrepreneurs: UAB & Penn State CTSAs
- Evaluation: Lead on all 3
  - Bibliometrics of Scholarly Success: UNC, Mayo
  - Great CTSA Team Science Contest: Georgetown, VCU
  - Case Study Collaboration: MUSC, Tufts, VCU, IU, U Michigan, Columbia UCTSC U Minnesota, U Wisconsin, Cornell, plus NIH OEPR

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Science Collaborative

#### Journal of Clinical and Translational Science A Retrospective Case Study of Successful Translational

**Research: Gazelle Hb Variant Point-of-Care Diagnostic Device for Sickle Cell Disease** 

Published online by Cambridge University Press: 25 October 2021

Kelli Qua (D), Shannon Swiatkowski, Umut Gurkan and Clara M. Pelfrey (D)

Journal of Clinical and Translational Science, 1-2 DOI: https//doi.org/10.1017/cts.2021.871

CLIC Center for Leading Amplifying research impact

#### Cleveland CTSA Team Publishes First Ever Retrospective Case Study JCTS

News Mike's Blog CLIC News Roundup CTSA Ansible

A group of evaluation researchers at Clinical and Translational Science Award (CTSA) hubs are conducting retrospective case studies to evaluate the translational research process. Earlier this year, Dr. Clara Pelfrey and the CTSA evaluation researchers petitioned the Journal of Clinical and Translational Science to include retrospective case studies as a manuscript category. The objective of these studies is to deepen knowledge of the transitional process and identify contributors to successful translation.



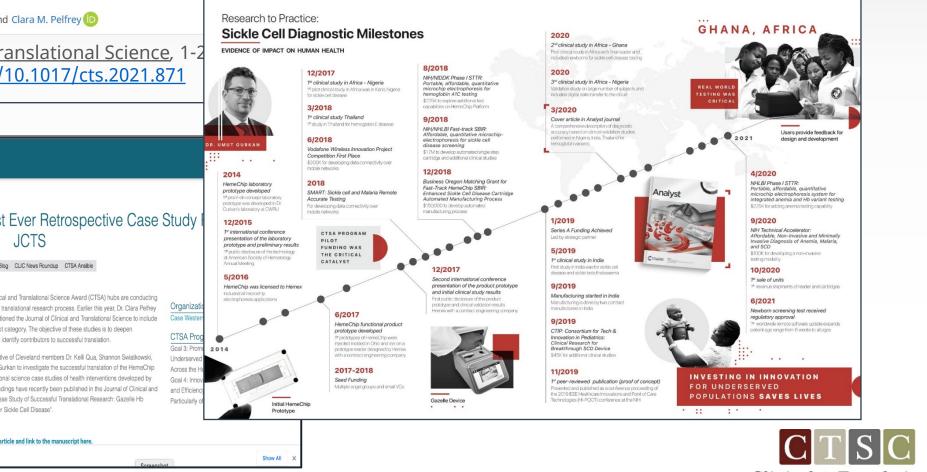
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Clinical & Translational Science Collaborative of Cleveland members Dr. Kelli Qua, Shannon Swiatkowski, and Dr. Clara Pelfrey teamed up with Dr. Gurkan to investigate the successful translation of the HemeChip using a protocol for retrospective translational science case studies of health interventions developed by the CTSA evaluation researchers. Their findings have recently been published in the Journal of Clinical and Translational Science: "A Retrospective Case Study of Successful Translational Research: Gazelle Hb Variant Point-of-Care Diagnostic Device for Sickle Cell Disease'

Read the full article and link to the manuscript here.

Created new manuscript category JCTS

- Translational Science Case Study (TSCS)
- Published a TSCS protocol
- First case study published Oct 2021



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# Participation in NCATS/CTSA Program Initiatives

- 1. Informatics: N3C
- 2. COVID trials: PASC-RECOVER, ACTIV
- 3. U01 Submissions:
  - REMOTE: UW, MUSC, CWRU (McComsey)
  - DSMB New Member Education, increasing DSMB diversity: UTMB, Northwestern, Vanderbilt, OSU, Stanford, Tufts, CWRU (Gassman)
  - APPLE-PIE: CWRU (Remy), Univ Cinci, Florida, Iowa, Minnesota and Wash U
- 4. KL2 Visiting Professorship Program
  - Exchanges with Stanford, Univ Kansas, UCLA, Univ Pitt
- 5. Evaluation: Pilot test site for new CM-PRISM Common Metric Data Collection
- 6. Un-Meetings: Hosted 2021 meeting





Marisa McGinley, DO, MSc Neurologist, Mellen Center for Multiple Sclerosis, Cleveland Clinic

CTSC KL2 Scholar Un-Meeting Principal Investigator

#### Tackling the Digital Divide to Improve Telehealth

Friday, March 26, 2021 11:00 AM - 3:00 PM

Un-Meeting hosted by the Clinical and Translational Science Collaborative of Cleveland



CASE WESTERN RESERVE UNIVERSITY

CLINICAL AND TRANSLATIONAL SCIENCE COLLABORATIVE





#### Shanina Knighton, RN, PhD

Frances Payne Bolton School of Nursing, CWRU

CTSC KL2 Scholar

REC



#### https://youtu.be/B0DNDh-7Ho4

#### CTSA MVPs (Most Valuable Personnel)





