FROM THE DESK OF THE CCTST DIRECTOR

Enough about our finances and the grant renewal! We need to move forward in the next several months with our reduced but proposed balanced budget. Here is a rundown of some selected activities in which we are actively engaged now and into the near future:

1. We are actively working on upgrading the CCTST website to make it more "user friendly"...
2. We have now completely rolled out the Universal Research Seminar Calendar that can be accessed on the CCTST website...
3. We are actively working with speakers for CCTST Grand Rounds. Jack Kues, PhD will present on Transdisciplinary Research in June and the Live Well Collaborative will present in July...
4. In an effort to provide optimal service in the Schubert Research Clinic, we have recently rolled out the charge structure for room and nursing charges for NIH/foundation grants...

Click here to read more!

CORE REPORT

BERD Service Highlight: Geospatial Research Accelerator for Precision Population Health

CCTST members, Drs. Cole Brokamp and Andrew Beck, have established the Geospatial Research Accelerator for Precision Population Health
data include community- and individual-level exposures and characteristics, such as substandard housing, greenspace, air pollution, poverty, and crime. Substantial infrastructure investment and methodological development in conjunction with meaningful community engagement and partnership is taking place in order to harness the full potential of these data to predict and prevent adverse health outcomes...Click here read more.

SUCCESS STORY
CCTST Catalyzed Development of Precision Dosing Tool to Shape the Future of Personalized Medicine

When drugs are approved for market, it must first be proven that on average the medication and recommended dose is affective in most patients. But this means that there is still a portion of people who don’t experience the intended effects of the drug; they either have no response at all or have an adverse reaction. Sander Vinks, PharmD, PhD, CCTST member and Director of the Division of Clinical Pharmacology at Cincinnati Children’s Hospital Medical Center (CCHMC) explains, “as clinicians, we treat individual patients and we know that there are a lot of variables, not only in how patients handle drugs but also how they respond to them.”

An additional pharmacological challenge is that little research has been published on the dosing and safety of medications used to treat neonates, or newborn children. Dosing for neonates typically scales adult and pediatric pharmacological data to estimate a dosage that may be more appropriate for a newborn, but this can also lead to ineffective or unsafe dosing (Euteneuer JC, et al). Issues such as this led Dr. Vinks and a team of colleagues at CCHMC to develop the translational pain management tool, NeoRelief.

Using pharmacogenetics with a model-based PK/PD algorithm, NeoRelief was developed. NeoRelief is a decision support platform, embedded into electronic health records (EHRs), with the ability to predict and control precision dosing of morphine in real time for newborns in the neonatal intensive care unit (NICU). The goal of the platform is to help clinicians recognize the importance of optimal dosing and the impact of morphine on a patient’s response to pain...Click here to read more.

**Call for Manuscripts for Themed Issue on: Clinical and Translational Science to Improve Rural Health**

The Journal of Clinical and Translational Science is issuing a Call for Papers for a special themed issue of the Journal of Clinical and Translational Science which will focus on Clinical and Translational Science to Improve Rural Health.

Translational science and education are critical to developing new treatments and healthcare approaches that can be disseminated to underserved and special populations to improve health outcomes across the life span. The goal is to enhance the value of translational science to improve rural health outcomes and eliminate health disparities. [Click here for more information.](https://mailchi.mp/cbd63da42224/cctst-newsbrief-june-2019?e=15aa56135c)

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**TRAINING ANNOUNCEMENT**

**Training Institute for Dissemination and Implementation Research in Health (TIDIRH) Course**

Applications are now being accepted for the 2019 Training Institute for Dissemination and implementation Research in Health (TIDIRH). The training will utilize a combination of 5-month online courses between September 2019 - January 2020 and a 2-day in-person training that will be held January 23 & 24, 2020 in Bethesda, MD. The training will consist of:

- Faculty and guest lecturers will consist of leading experts in theory, implementation, and evaluation approaches to dissemination and implementation (D&I)
- Creating partnerships and multilevel, transdisciplinary research teams
- Research design, methods, and analyses appropriate for D&I investigations
- Conducting research at different and multiple levels of intervention (e.g., clinical, community, policy).

**Eligibility:**

This training is designed for doctoral-level investigators at any career stage interested in conducting D&I research. The training is looking for a balance of both junior and senior investigators; it's anticipated that most participants will be early- to mid-career individuals, but a limited number of senior researchers who are making the switch to D&I research may also be enrolled. [Click here](https://mailchi.mp/cbd63da42224/cctst-newsbrief-june-2019?e=15aa56135c) for a full list of eligibility requirements.

**Application:**

Due June 23, 2019. [Click here for more details or to apply.](https://mailchi.mp/cbd63da42224/cctst-newsbrief-june-2019?e=15aa56135c)
MARK YOUR CALENDAR

CCTST Grand Rounds
The next CCTST Grand Rounds, held on June 21, will feature Jack Kues, PhD, presenting, "Pursuing Transdisciplinary Research: What does it mean and how do I do it?" Register by June 19. Click here for event details.

2019 ATRN Health Summit
The Ohio State University (OSU) Center for Clinical & Translational Science (CCTS) and OSU's Office of Extension will host the 2019 ATRN Health Summit in Columbus, Ohio on October 14 - 15, 2019, at Nationwide & Ohio Farm Bureau 4-H Center. This year's theme is, "Working toward health equity in Appalachia: Exploring Solutions". Abstracts are now being accepted for presentations and posters. Click here for abstract details.

Acute Care Research Symposium
Save the date for the Acute Care Research Symposium, held on November 25, 2019 from 8:00am-12:00pm at Cincinnati Children's Hospital, Sabin Auditorium. This year's theme is, "Cutting Edge Research in Acute Care - Sepsis, ARDS, and Other Life-Threatening Conditions". Abstracts are now being accepted. Click here for abstract details.

CCTST Calendar: Visit the CCTST Calendar to promote your events and to learn about upcoming trainings, monthly seminars, conferences, and other activities.

CCTST Membership: CCTST members have access to a variety of services for clinical and translational research projects. Become a member today! Already a member? Login on the CCTST homepage and click "Request Assistance with your Research Project". See Research Central Policy for eligibility details.
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