Colorado State University-CCTSI Partnership

Matt Hickey, Ph.D.
Professor and Associate Dean for Research, CHHS, CSU
CCTSI – CSU co-lead

Sue VandeWoude, DVM
Dean, CVMBS, CSU
CCTSI – CSU PI and co-lead

cctsi.cuanschutz.edu
CSU and the CCTSI

• Land grant institution for Colorado
• Founded 1870
• Top 10 nationally in research funding among public institutions w/out a medical school (NSF)
• $498M annual research expenditures in FY23
• 8 colleges, 5 with significant CCTSI interactions
  • CVMBS, CHHS, COE, CNS, CLA

681 CCTSI members (40% increase from 2021-23; 201 new members)
CCTSI Exec Comm. participation:
Sue VandeWoude
Matthew Hickey

Admin support: Jessica Hunter

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2023-24 CSU CCTSI Council
Sue VandeWoude (CVMBS)
Matt Hickey (CHHS)
Zhijie Wang (COE)
Santiago Di Pietro (CNS)
Heather Pidcoke (VPR)
Sangeeta Rao (BERD)
Joe Strecker (Informatics)
Tracey Webb (Clin Trials)
Jeni Cross (Team Sci)
Kelly Hall (Vet EMR)
Doug Thamm (TL1/T32)
Lauren Shomaker (pre-K, K12)
Josie Broussard (Pre-K)

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CSU Council
Hunter

CSU VandeWoude/Hickey

CTRR

Team Science
Jeni Cross

Translational Workforce Development
T32 (Doug Thamm)

Informatics
Christie Mayo
Kellie Wrighton
Joe Strecker (Vet EHR)

BERD

Natural Animal Models and Clinical Trials
Shelton/Webb/Hall

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Admin support: Jessica Hunter
Governance

LOCAL
- Subaward PI and admin coordinator in CSU OHI
- Approximately monthly meetings of core directors, biostats/bioinformatics, Associate Deans for Research in participating colleges
- Website https://www.research.colostate.edu/cctsi/

PROGRAM
- Executive Committee representation (VandeWoude, Hickey)
- Program implementation (Cross, Shomaker, Thamm)
- CO-Pilot (VandeWoude)
- Bioinformatics/Biostatistics (Mayo, Wrighton)
- Vet EHR (Strecker)
Annual CU-CSU Summit

2013: Introduction to CCTSI

2014: Obesity/ Diabetes (a.m.); Cardiovascular (afternoon)

2015: Community Engagement/ Clinical Trials

2016: Regenerative Medicine/ Stem Cell Biology (a.m.), Precision/ Personalized Medicine (afternoon)

2017: Microbiome

2018: Lifespan Research

2019: AI and Health Care

2020: COVID-19 Response

2021: Evolving Impacts of COVID-19: Research Advances in Colorado and Beyond

2022: Research in Health Equity and Social Determinants (6 speakers from CSU)

2023: Enhancing the Impact of Clinical and Translational Research Through Dissemination and Implementation Science- CSU Spur Campus
Session 1: **CSU Campus Resources Overview for Communication, Dissemination, Implementation, and Sustainability.**
- Prevention Research Center (David MacPhee, PhD)
- Veterinary School (Naomi Nishi, PhD)

Session Four: **Leveraging System Capacity for Dissemination and Implementation of Evidence across Sectors**
- CSU Extension systems, partners and resources for disseminating and implementing community-based programs (Sue Schneider, PhD)

Session Five: **Addressing Misinformation and Disinformation in Science and Health Communication**
- Ashley Anderson, PhD (CSU)
- Aimee Bernard, PhD (AMC)
- Leysia Palen, PhD (CU-Boulder)
CSU-CU Collaborative CO-Pilot Award

- $30K CSU + $30K CU match for collaborative projects (non CCTSI dollars)
- Application, review, award parallel to other CO-Pilot awards

20 CO-Pilot projects funded since 2014

- CCTSI members eligible for other award categories
CSU Pilot Award Highlights

Clinical & Translational Science (CTS) Pilot Grant Program 2018-2022
Colorado State University (CSU) Affiliated Awards

27 grants were awarded to 29 CSU-affiliated researchers

Pilot Award Category Affiliation:

<table>
<thead>
<tr>
<th>CO-Pilot (n=14)</th>
<th>Translational Methods (n=8)</th>
<th>Community Engagement (n=4)</th>
<th>C2R2 (n=1)</th>
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<tr>
<td>52%</td>
<td>30%</td>
<td>15%</td>
<td>4%</td>
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- **52%** of grantees were CO-Pilot
- **30%** of grantees were Translational Methods
- **15%** of grantees were Community Engagement
- **4%** of grantees were C2R2

- **10.11** Return on Investment (ROI) across CSU-affiliated grants.
- **35%** of pilot projects procured follow-on funding to continue their research.
- **37%** of grantees published findings from pilot projects in academic journals.

CCTSI has funded over $820 thousand in CTS-Pilot grants to CSU-affiliated researchers.

Nearly two-thirds of CSU-affiliated grantees were female.

CSU-affiliated grantees received over $8.2 million in follow-on funding to continue their research.

Of CSU-affiliated grantees were underrepresented in biomedical research (UBR).
1. We have revised our CSU CCTSI meetings to feature CCTSI programming and opportunities and opened meetings to all CSU CCTSI members
   • Pilot Grant Program Overview
   • Pre-K Program Overview
   • Dissemination and Implementation Core

2. CCTSI leadership held a CSU Town Hall on March 26, 2024 with nearly 60 registered participants

3. We have continued to build CCTSI information and opportunities into new faculty onboarding documents/toolboxes.

4. New ECI Grant Writing Workshop that features CCTSI opportunities.

5. D&I to be featured at CSU Translational Talks Series (April 25th) - “Dissemination & Implementation Science as a Driver of Translation”
   • Bethany Kwan, Director, CCTSI D&I Core
   • Demetria Bolden, Associate Director, CCTSI D&I Core
   • Sue Schneider, Extension Professor & State Health Specialist, Office of Engagement and Extension, CSU
   • Lauren Shomaker, Associate Professor, CSU, Assistant Director, PreK and K12 Programs, CCTSI

6. CSU Extension Office integration
   • Session at 2023 CCTSI Summit
   • Partner in Translational Talks series
   • Primary aim is sustainable collaborations with CCTSI