

CCTSI and New Faculty Town Hall

Ronald J. Sokol, MD

Director and P.I. of CCTSI

Assistant Vice Chancellor of Clinical and Translational Science

University of Colorado – Anschutz Medical Campus



CTSA Program

- An NIH-funded national consortium of biomedical research institutions collaborating to transform how clinical and translational science is conducted nationwide
- Currently, 60 funded Hubs, many of which include multiple universities and hospitals.
- CTSAs provide many local resources, facilities, research personnel, pilot funding, regulatory and informatics support, research units and education & training programs
- Grants originate from NCATS at NIH



Colorado Clinical & Translational Sciences Institute

- CCTSI is the Colorado CTSA Hub
- Created in 2008 and funded for 5 years by \$76 million NIH grant
- Substantial institutional support (funding)
- Supports all faculty, post-docs, trainees involved in clinical or translational research at 3 universities and 6 hospital partners
- "Disease agnostic"
- Refunded in 2013 \$52 million and in 2018 for \$47 million

CCTSI Vision



Accelerate and catalyze the translation of innovative science into improved health and patient care





CCTSI 3.0 Mission



- Catalyze and enhance scientific discovery, innovation, dissemination and translation across the lifespan
- Educate and sustain a resilient, innovative and diverse translational science workforce
- Promote and ensure an efficient, safe, collaborative and integrated research environment
- Engage stakeholders and communities across the entire translational spectrum

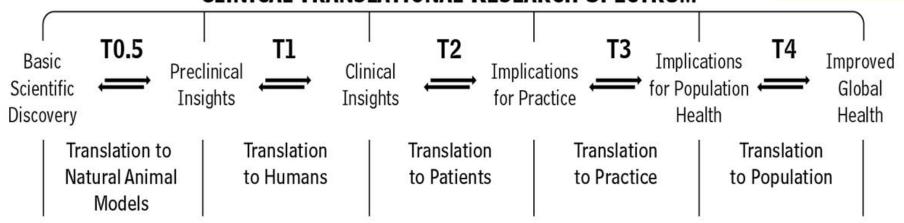




Spectrum of Translational Research

Bi-Directional Collaboration Team Science

CLINICAL TRANSLATIONAL RESEARCH SPECTRUM







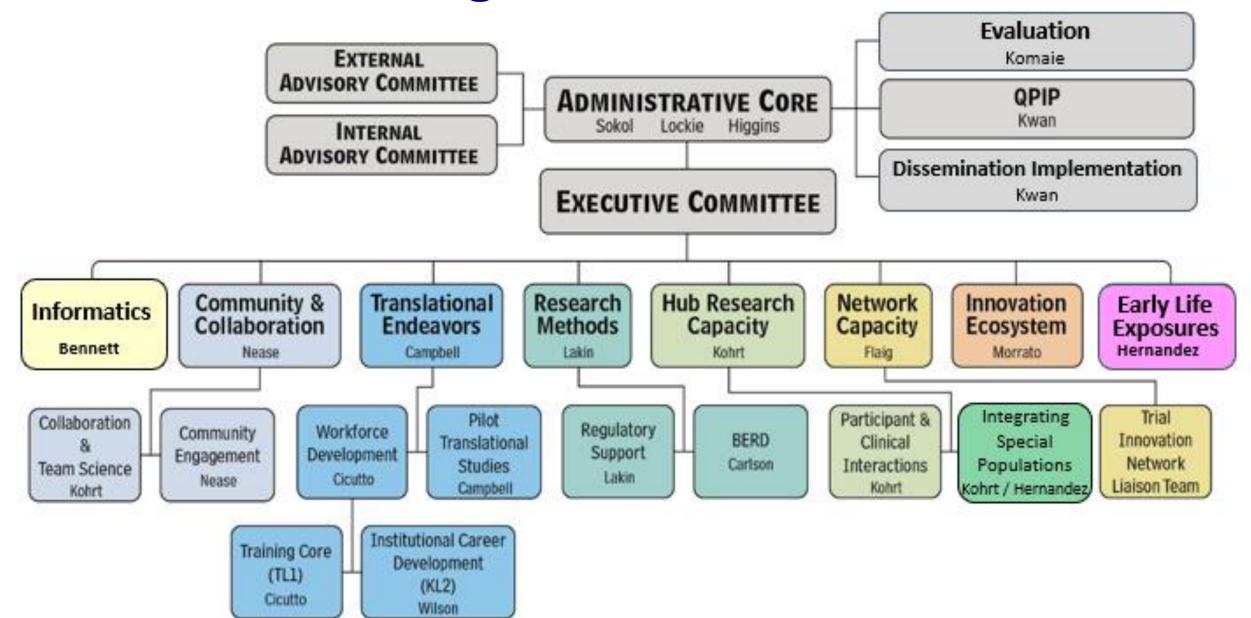




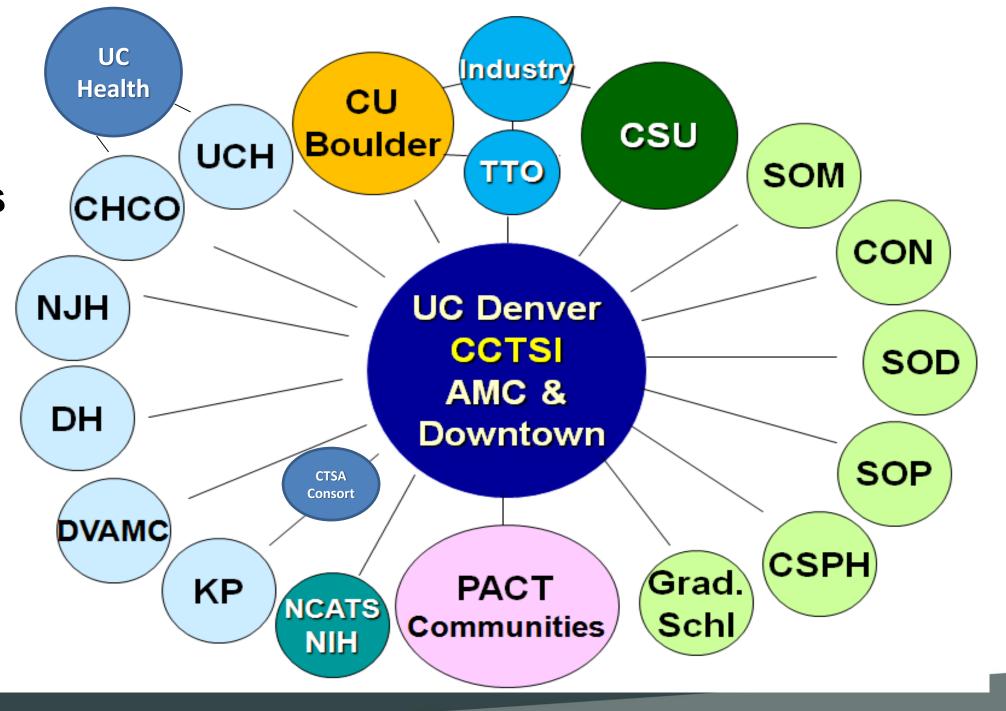




CCTSI Organizational Structure



CCTSI
Hub &
Spokes





CCTSI Leadership

Director: Ronald Sokol, MD **DFA:** Tim Lockie, MS, MBA

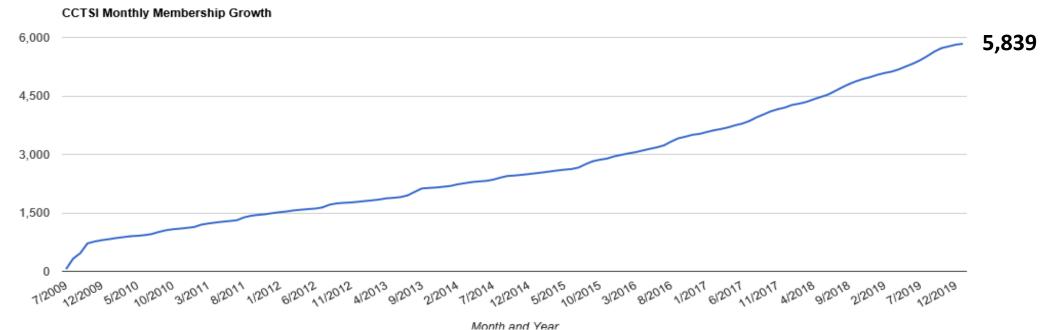
Director of Operations: Janine Higgins, PhD

Associate Directors:

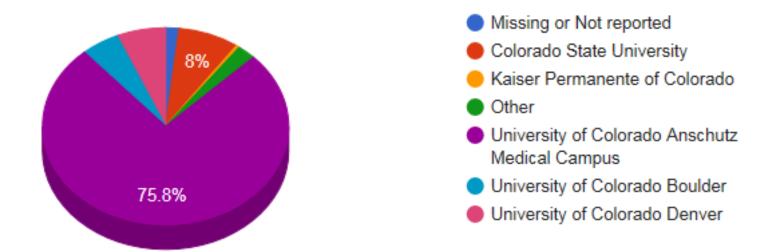
- Wendy Kohrt, PhD
- Tell Bennet MD, MS
- Alison Lakin RN, JD
- Donald Nease, MD, MPH
- Thomas Campbell, MD
- Thomas Flaig, MD







CCTSI Membership by Academic Affiliation





Colorado Clinical and Translational Sciences Institute

RESOURCES ▼ TRAINING ▼ FUNDING ▼ COMMUNITY ENGAGEMENT ▼ NEWS AND EVENTS ▼ ABOUT US ▼



ACCELERATING RESEARCH TO IMPROVE HEALTH

The CCTSI helps build research teams of the future, speed the development of new treatments and improve human health



Resources and Services

CCTSI supports translational research by providing resources, integrating facilities and services, developing innovative research tools and catalyzing interdisciplinary research programs.



Funding

Each year, the CCTSI awards more than \$2 million in pilot grants, microgrants, and pre-doctoral and post-doctoral research scholar awards. You can find more information on each grant and how to apply



Education, Training and Career Development

The Education, Training and Career Development (ETCD) program provides clinical-translational scientists and trainees with knowledge, training and career skills



Clinical Translational Research Centers

The CTRC provides infrastructure, resources and dedicated space to conduct clinical research.

Cite our grant

Become a member

Join the CCTSI for free

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Found In Translation News from around the CCTSI



Mapping Our Molecules »

Jun 25, 2019, 12:00 AM by Wendy Meyer

Why know that exercise is good for us. Professor Wendy Kohrt aims to find out why. She is leading an exercise study called MoTrPAC to develop a so-called molecular map of tissuespecific and circulating signals produced by physical activity.

Full story »



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Full story »

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added a publication from: Applied and environmental

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Carmen Ledesma-Feliciano October 2, 2019

added a publication from: JFMS open reports

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Click the Why column to see why a person matched the search. More Search Options

Sort Query Relevance ✓ Show (choose columns)

Ranked List of Researchers At CU

Search Other Institutions

Name	Institution	Why
Cara Lynn Mack	University of Colorado Denver - Anschutz Medical Campus	Why?
Ronald J Sokol	University of Colorado Denver - Anschutz Medical Campus	Why?
Frederick M Karrer	University of Colorado Denver - Anschutz Medical Campus	Why?
Amy G. Feldman	University of Colorado Denver - Anschutz Medical Campus	Why?
Shikha Seksaria Sundaram	University of Colorado Denver - Anschutz Medical Campus	Why?
Rebecca Michelle Tucker	University of Colorado Denver - Anschutz Medical Campus	Why?
Frederick J Suchy	University of Colorado Denver - Anschutz Medical Campus	Why?
Michael R Narkewicz	University of Colorado Denver - Anschutz Medical Campus	Why?
Alexandra Leigh Kilgore	University of Colorado Denver - Anschutz Medical Campus	Why?



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	~
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Connection

■ Back to Search Results

Search Criteria biliary atresia

Search Results to Cara Lynn Mack

This is a "connection" page, showing the details of why an item matched the keywords from your search.

Search Results
Mack, Cara

One or more keywords matched the following items that are connected to Mack, Cara

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Item Type	Name
Academic Article	Coordinate expression of regulatory genes differentiates embryonic and perinatal forms of biliary atresia.
Academic Article	Biliary atresia is associated with CD4+ Th1 cell-mediated portal tract inflammation.
Academic Article	Armed CD4+ Th1 effector cells and activated macrophages participate in bile duct injury in murine biliary atresia.
Academic Article	Cellular and humoral autoimmunity directed at bile duct epithelia in murine biliary atresia.
Academic Article	Oligoclonal expansions of CD4+ and CD8+ T-cells in the target organ of patients with biliary atresia.
Academic Article	The pathogenesis of biliary atresia: evidence for a virus- induced autoimmune disease.
Academic Article	Conjugated hyperbilirubinemia in children.
Academic Article	Biliary atresia: cellular dynamics and immune dysregulation.
Academic Article	Clues to the etiology of bile duct injury in biliary atresia.

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Search for Investigators by Name, Institution, Department, or Faculty Type

All except the one selected

All except the one selected

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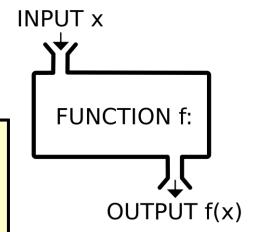
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<u>smoke</u>
<u>oncology</u>
<u>Genomics</u>
Endocrinolo
Driving Auto

anatomy

Endocrinology
Driving Automobile
Regeneration
Suicide
Artificial Pancreas

13 CCTSI Major Functions

- **Translational Workforce Development (13 programs)**
- **Clinical Research Units (CTRCs)**
- **Community Engagement & Research**
- **Biostatist**
- Innovation Corps (I-Corps™) Training **Translatio**
- Research
 - **Trial Innovation Network Hub Liaison Team**
- Regulator
- Pilot Grar Study One-Stop Support (SOS)
- **Pragmation**
- Research Science of Team Science
- **Innovatio**
- **Early Life Exposures**
- Evaluation & Tracking and QPIP





Clinical Translational Research Centers (CTRCs)



- UCH, CHCO, NJH, CU-B and Perinatal
 - Inpatient and outpatient facilities no charge for space
 - Research Nursing inpatient, outpatient, mobile teams (NICU, PICU, ED, etc.)
 - Bio-nutrition, metabolic kitchen, whole room calorimeter and body composition
 - Vascular Ultrasonography and ECHO
 - Core laboratories & specimen processing
 - Microgrants to Jr. Investigators (\$10,000/yr. x 3)
 - SARC review of all protocols
 - 200 unique Pl's conduct research on > 500 CTRC Protocols each year
 (10,000- 15,000 visits/yr) about 150 protocols at CHCO

Pilot Grant Awards

- 5 Pilot Grant programs CO-Pilot, CMH, Community Engagement,
 New Methods, CU-CSU Collaboration Award
- \$900,000 available
- \$20,000, 30,000, \$60,000 levels
 - Letter of Intent in August
 - Deadline September (end)
 - Peer Review in November- December
 - Start-up in January-April







Translational Informatics

- REDCap operated for entire campus by CCTSI 9,000 users,
 6,000 active projects
- Health Data Compass enterprise wide research data warehouse – Michael Kahn, MD, PhD Previous Director
- Colorado PROFILES
- Data Delivery TrinetX, Compass, ACT
- Multiple education courses and programs
- I-Labs installation and management



Education, Training and Career Development



- Summer Undergraduate Minority Mentoring in Translational Science (SUMMiT) (n=14)
- 2. TL1 (T32) Pre- and Post-doctoral PhD training program
- 3. Clinical Sciences Graduate Program (Masters, PhD)
- 4. KL2 (K12) Research Scholar program up to 3 yrs. of support
- 5. Support for Clinical Faculty Scholars Program
- 6. Clinical Research Education Forum for Investigators and Study Coordinators

Education, Training and Career Development

- 8. Leadership in Innovative Team Science (LITeS), Emerging LITeS, LITeS Junior, LITeS Team
- 9. Colorado Mentor (CO-Mentor) Training Program
- 10. K-to-R Transition Grant Review
- 11. Pre-K Award Assistance and Grant Review
- 12. Research Studios
- 13. Innovation Corps @ CCTSI

Pre-K Grant Review Program

- Help junior faculty and their mentors write successful career development awards
 - 5 criteria (candidate, career development, mentors, environment, and research plan)
- Mock grant reviews: 3 times a year
 - Applicants and mentors attend
 - K24 awardees, K12 directors, biostats, other K awardees are reviewers
 - Format: reviewers and then panel discusses, followed by Q&A
- Lecture series relevant to K applicants









K to R Transition Program

- Pre-grant submission mock grant review process
- Faculty with K-level awards who are submitting first R-level grant award or any R-level grant submission
- Submit grant proposal for internal review about 4-6 weeks before submission to funding agency
 - Deadline for Letter of Intent
- Mock study section and written reviews
- PI and mentor attend mock study section
- 3 cycles NIH grant application deadlines
- Maggie Wierman, MD 303-724-3952





Research Studio Process

- 5-6 person Expert Panel for T1-T2 or T3-T4 research topics
- Studio sessions-Face to Face (over Lunch)
 - 90 Minutes
 - Investigator presents brief summary (10-15 minutes)
 - Focused discussion with experts for 3 or 4 predetermined questions from the investigator - focus on problem-solving and the development of helpful solutions (60-70 minutes)
 - Moderator and panelists provide summarized comments (10-15 minutes)





Research Studio Process

- Web-based Consult Request CCTSI website
- Studio Consult Categories:
 - hypothesis generation
 - study design specific aims
 - grant review
 - implementation
 - analysis and interpretation
 - manuscript review
 - translation







Research Studio Results

- New: 1-2 all day sessions per month (4-5 Studios per session)
- Excellent feedback and usefulness
- Contact:

Dan Holtrop, MA

Studio Program Manager

Daniel.Holtrop@cuanschutz.edu

"Very beneficial service and significantly improved the quality of my research project"

- Investigator





Innovation & Entrepreneurship Ecosystem at AMC





Technology Transfer Office

Accelerating

AMC Accelerator

Launch

A virtuous cycle of innovation and entrepreneurship

Pitch Competitions

Vetting

Incubating

CCTSI

Fundamentals

Opportunity

Identification

Idea Generation and Team Formation

Entrepreneurial Education Curriculum and Culture

I-Corps @NCATS

Team Training Pilot Program





Community Engagement & Research Programs

- Community Research Liaison (CRL) program
- Colorado Immersion Training in Community Engagement (CIT)
- Research Readiness Certification for Community Based Organizations
- Community Consults
- CE Pilot Grant Program
- Boot Camp Translation for Patient-Centered Outcomes: Facilitator Training
- Introduction to CBPR for Community-Academic Partnerships





Trial Innovation Network (TIN)

trialinnovationnetwork.org

- National CTSA Consortium effort to facilitate conduct of Multi-Site (NIH) Clinical Trials
- Provide local and national support for the entire study lifespan
 - TICs study design, central IRBs, study operations, data collection and analysis
 - RIC assist with recruitment and retention strategies
 - TIN Hub Liaison Team Local linkage to national TIN
- Investigators can request a single service or complete study life cycle assistance from TIN





Trial Innovation Network Hub Liaison Team – Addressing Life Cycle of Studies

- Director: Tom Flaig, MD, UCH CCRO
- Medical Directors: Tom Campbell, MD (UCH) and Jesse Davidson, MD (CHCO)
- Project Manager Ben Echelier
- Contracting Lead Amanda Peng
- Central IRB Lead Christy Williamson
- Recruitment (Participants) Lead Barbara Hammack
- Navigator: Cynthia Sneddon
- Local Website, workflow, educational materials, etc.



CCTSI is here to support you!

- https://cctsi.cuanschutz.edu or google CCTSI
- Become a Member (quick, free, powerful)
- Become familiar with the website
- Use Profiles often







