

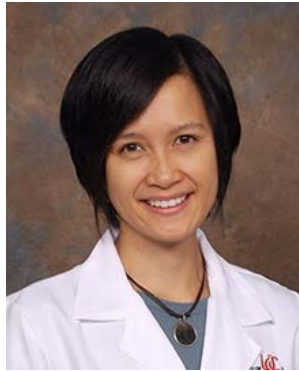
# AN INTEGRATED APPROACH TO PROMOTING TEAM SCIENCE PRINCIPLES ACROSS A CTSA

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Jack Kues PhD, Jackie Knapke PhD, Sandra  
Regan PhD, Jennifer Molano MD, Rebecca Lee  
PhD, Laura Hildreth MS

University of Cincinnati Academic Health Center

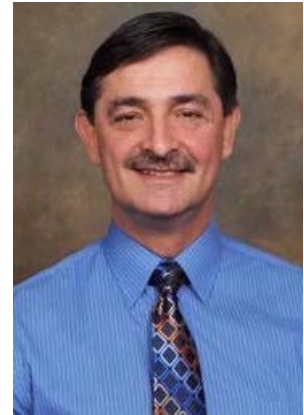
Jenn



Becky



Jack



# The Center for Improvement Science (CIS) Team



Laura



Jackie



Soni

# Goals of this presentation

1. Provide an overview of our approach to Team Science Implementation
2. Illustrate how we integrated our Team Science "Service Bundles" into our CTSA and partner institutions
3. Discuss our plan for sustainability and growth

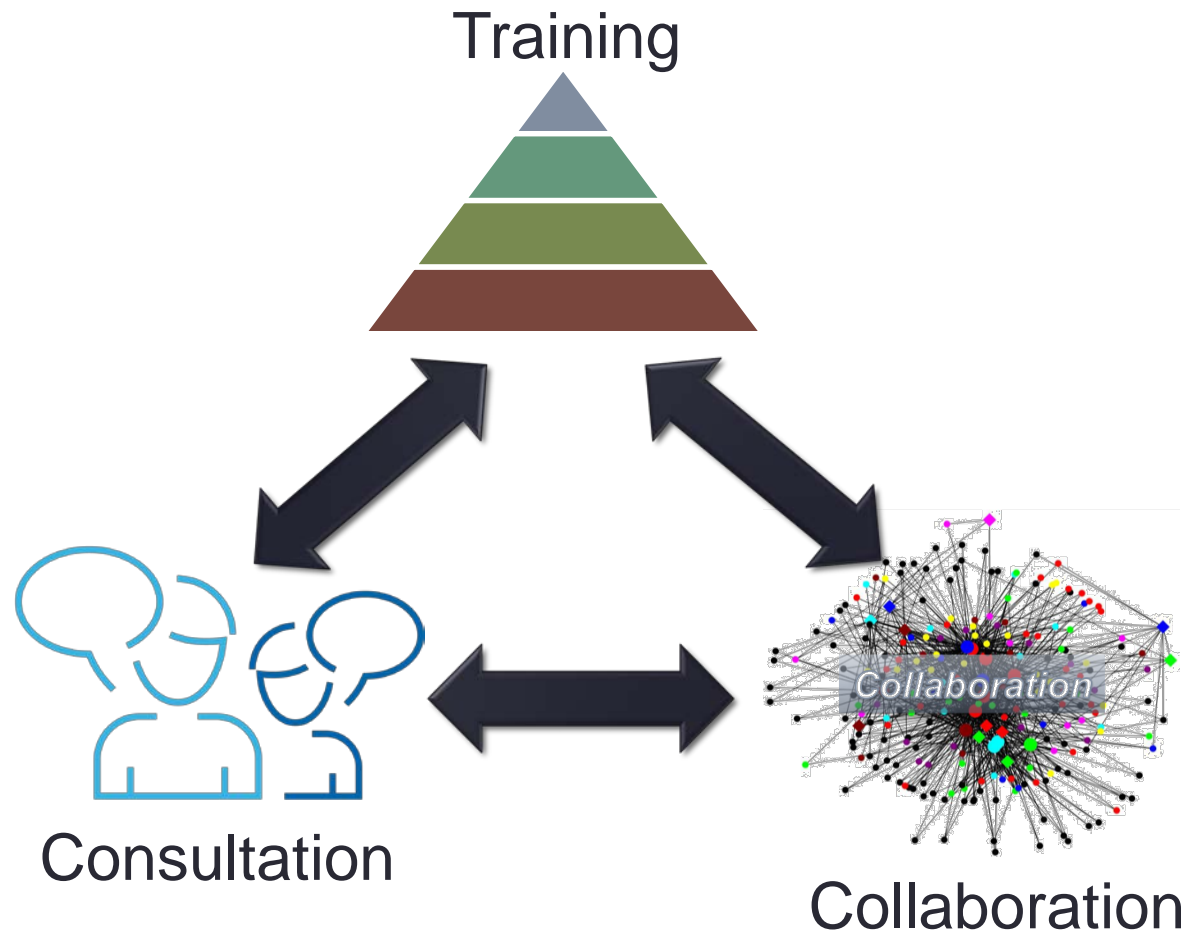
# CTSA Partners



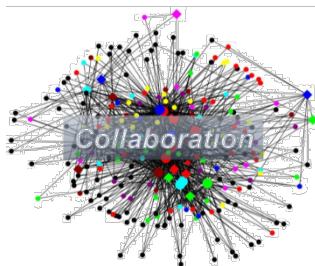
# Our Target Goals for Team Science Implementation

1. Disseminate the general principles of Team Science
2. Create a tiered set of educational offerings (from basic to advanced)
3. Provide supportive team science services to aid the implementation of team science principles
4. Demonstrate the value of using, and promoting, team science principles to other CTSA core services and institutions.
5. Support institutional and infrastructure changes to facilitate collaboration

# Impacting Research Through Integrated Services

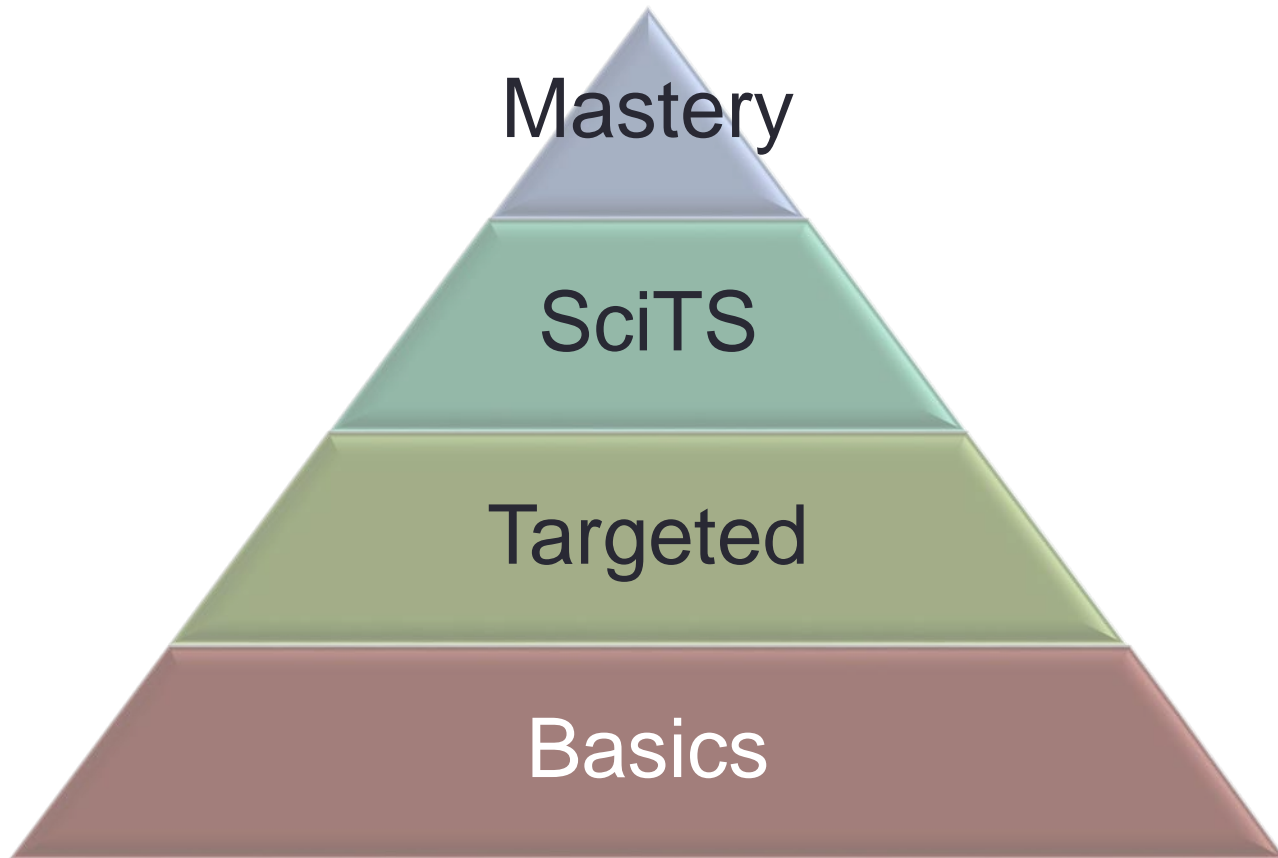


# Bundled, Integrated Services



- **Training**
  - Workshops
  - Presentations
  - Courses
- **Consultation**
  - Expertise (Training in Action) for:
    - Investigators
    - Research Teams
    - Administrative Teams
    - Program Developers
  - Grant Support (eg., T32/Career Development)
- **Collaboration**
  - The Collaboration Network
  - Integration Committee

# Tiered Training





# Basics



- Three hour “Basics” workshop
- Grand Rounds (1 hour)
- Presentations integrated into...
  - Research training courses
  - Research retreats
  - Faculty orientations



# Targeted Topics (Advanced)



- Two-hour workshops (2-3 per semester)
- Customized training for consultations
- Training built into research retreats
- Faculty Development curriculum



# Team Science and Collaboration (Graduate Course)



- Spring Semester Course
  - Faculty permission required for enrollment
  - Partially integrated into Targeted Workshop series
  - Maximum enrollment of 10



# Mastery Fellowships/Internships

- Up to 0.10 FTE
  - Support from home department and/or CIS
- Participation in CIS Teaching/Consultation Team
- Team mentoring



# Consultation

(Training in Action)





- **Institutional**

- UC VP for Research
- Colleges (Allied Health Sciences; Pharmacy; Medicine)
- UC Health Evidence-Based Practice Steering Committee
- Children's Hospital

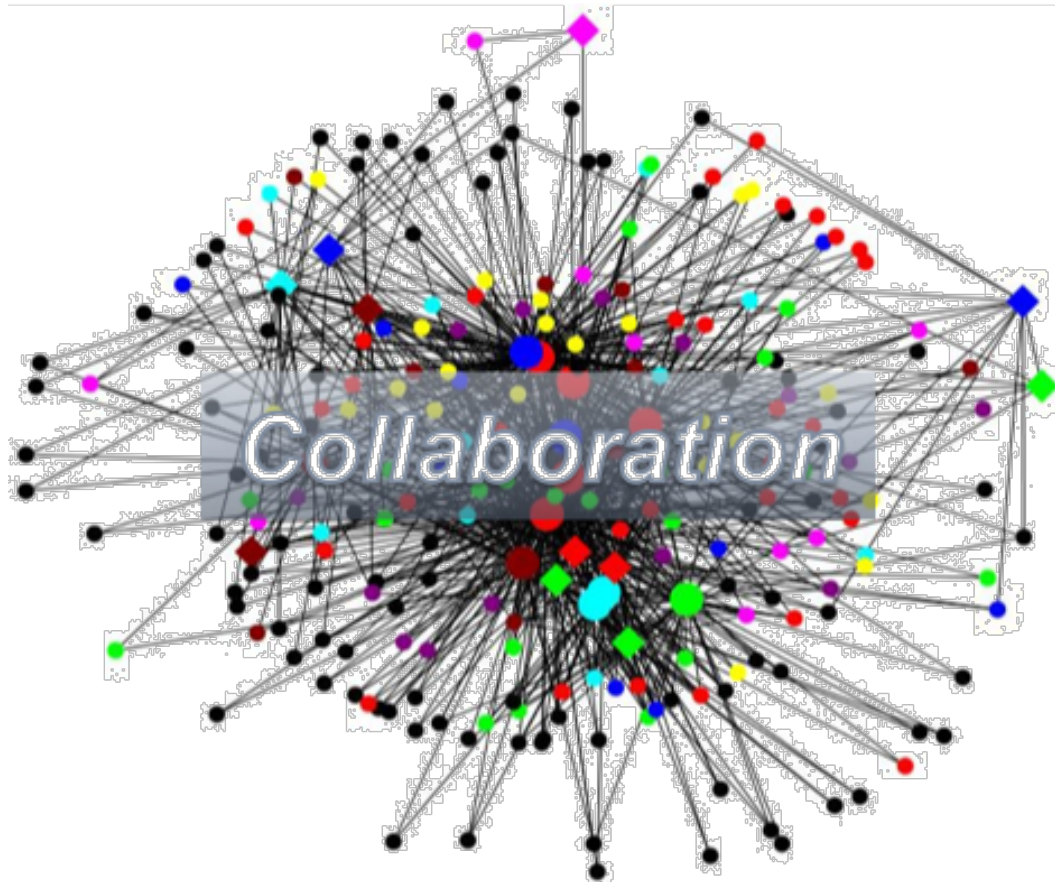
- **Teams**

- CRANI (Collaborative Research on Acute Neurological Injuries)
- CoM Team Science Award
- StrokeNET

- **Grant Support**

- Institutional training grants (R25, T32, K12, KL2)
- Career development awards
- Interdisciplinary grants (internal and external)
- Community partnerships

# Collaboration





# The Collaboration Network



## Virtual Meeting on Social Determinants of Health Thursday, April 4<sup>th</sup>, 9-11:00 AM

Are you a researcher, educator, trainee or service provider with expertise or interest in the Social Determinants of Health?

To provide a forum for those interested in networking with potential collaborators in this important field, The Collaboration Network (TCN) is hosting a campus- and community-wide WebEx meeting on SDoH on April 4<sup>th</sup> from 9:00-11:00 AM.



Please join or form a group meeting in a WebEx-enabled location, or join us from your own phone or computer by accessing the WebEx information at: <https://cctst.uc.edu/programs/cis/collaboration>

Using WebEx, we will explore our institutional and community-wide expertise and capacity for research, educational and community programs, and identify interested investigators and groups with the capacity to write grants and execute projects.

FOR MORE INFORMATION Please contact Laura Hildreth at 513-558-3333 or [hildrele@uc.edu](mailto:hildrele@uc.edu)



## Virtual Meeting on Aging – January 17

Exciting opportunities in research and program development in the field of Aging are available. across UC, Children's Hospital, UC Health, the VAMC, and the Greater Cincinnati community.

To provide a forum for those interested in networking with potential collaborators in Aging, The Collaboration Network is hosting a campus-wide WebEx meeting on Aging on January 17 from 9:00-11:00 AM.



Using WebEx to create a bridge across our geographical barriers, we will explore our institutional and community-wide expertise and capacity for research, educational and community programs on Aging, and identify interested investigators and groups with the capacity to write grants and execute projects.

Please join one of our meeting facilitators at a WebEx-enabled location on campus (see list below), or join us from your computer by accessing the WebEx information at: <https://cctst.uc.edu/programs/cis/collaboration>

FOR MORE INFORMATION Please contact Laura Hildreth at 513-558-3333 or [hildrele@uc.edu](mailto:hildrele@uc.edu)



## The Collaboration Network

### Network Goals

- Facilitate Collaboration
- Pursue Funding Opportunities
- Share Resources
- Build Broad Networks of Faculty and Other Collaborators

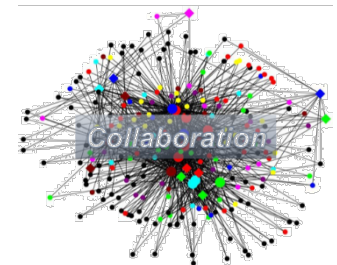
### Weekly collaboration meetings

(Thursdays 9:00 – 10:00 AM)

### Quarterly Major Events

### Ways to participate

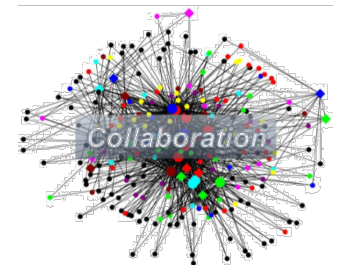
- In-Person (several meeting rooms across the university)
- WebEx (from your office, home, meeting room)
- Phone (call-in from anywhere)
- For meeting information contact [hildrele@uc.edu](mailto:hildrele@uc.edu)





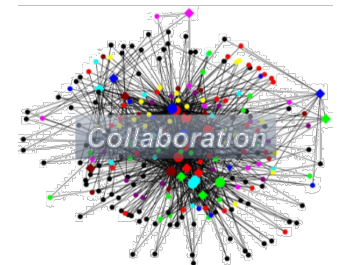
# Integration Committee

- A weekly event where early or mid-career research faculty can meet with senior researchers, administrators, faculty, and experienced mentors...
- In order to....
  - Present themselves....
  - Their current research....
  - Research/career plans....
- And receive....
  - Thoughts ....
  - Suggestions.....
  - Connections.....
  - And an Integration Committee Mentor.....



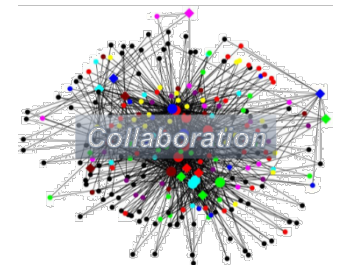
# Invitees

- Early to Mid-level Level Faculty and Fellows
- Identified through
  - CTSA core services
  - Other institutional research units (eg., Sr. VP for Research)
  - Mentors, Department Heads
  - Academic units overseeing grant programs
  - Self nomination
- Seeking advice, assistance, collaborators, feedback, etc.



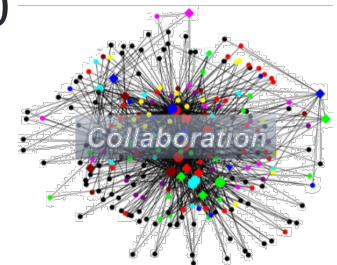
# Integration Committee Membership

- CTSA PI (1)
- CTSA Executive Committee (Key core directors/ administrators) (8)
- UC Asst. Sr. VP for Research (1)
- CTSA Core Services
  - Informatics (3)
  - BERD (Biostatistics, Epidemiology, Research Design) (2-4)
  - Acute Care Research (1)
  - IRB (1)
  - CIS (Center for Improvement Science) (2)
  - KL2/Workforce Development (2)
  - Community Engagement (1-3)
  - Invited guests (Specialists, mentors, colleagues)



# Integration Committee Outcomes

- Over 150 participants
- Over 90% made meaningful collaborative connections
  - Over 75% have started projects or written grants with these collaborators
- Over 50% have participated in additional education as a result of Integration Committee suggestions (Note: Additional education was suggested to 65% of participants)
- Other noted key outcomes:
  - JNJ Innovation award (1 awarded per year: over 1,000 applications)
  - Joint faculty appointments (8)
  - Patent applications

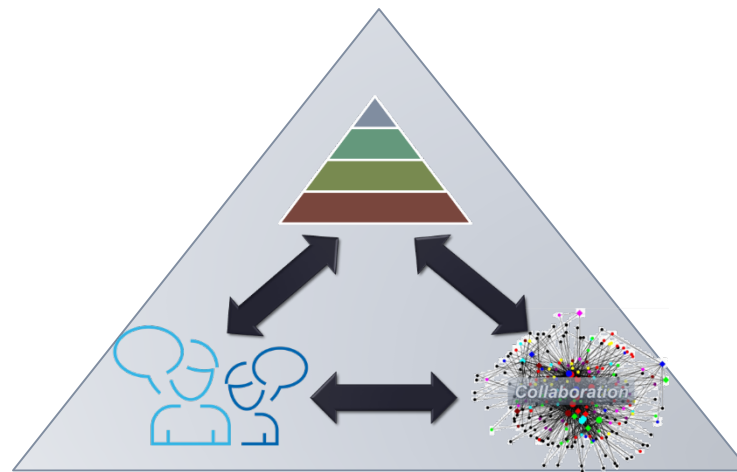


# Value Proposition

## CTSA

- KL2
- Community Engagement
- Pilot Grants
- Work Force Development
- Acute Care Research
- Regulatory and Ethics

## CIS



## Other

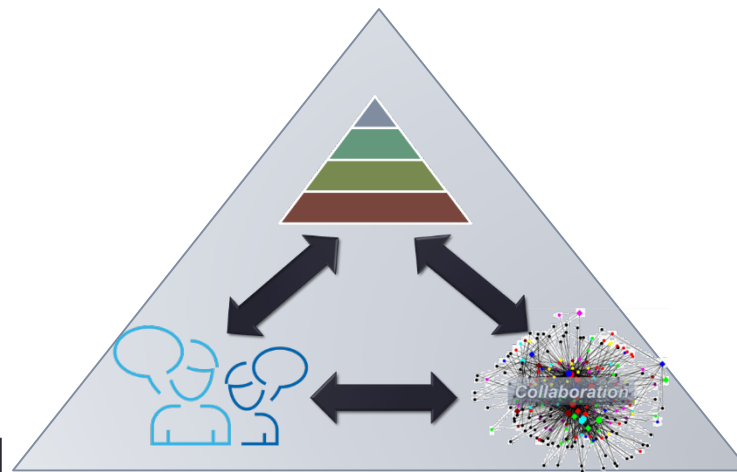
- Faculty Development
  - Coll of Med.
  - IPE
- UC VP for Research
- Coll of Pharmacy
  - Research Residents
- UC Health EBP
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## Other

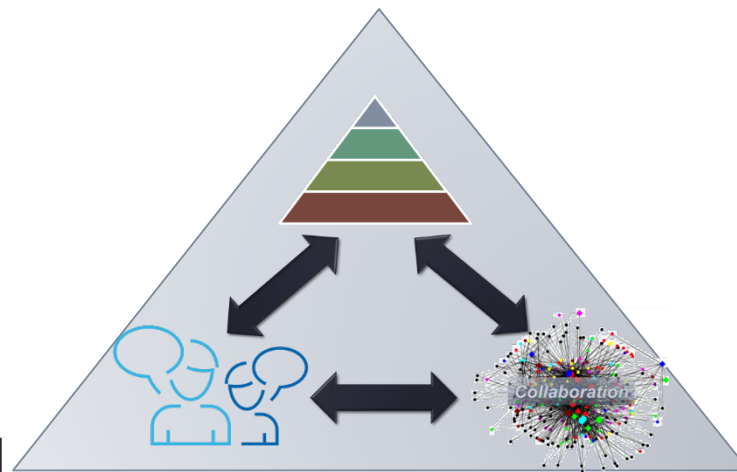
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# Business Model: Finding Common Ground

## • **CIS Needs**

- Sustain current resources
- Grow staff
- Establish an institutional identify

## • **Institutional Needs**

- Support interdisciplinary collaboration
- Maintain and increase external funding
- Promote identity of an “Urban University”
- Better ROI for internal grant funding





# Post- Session Evaluation

**Please take 2 minutes to complete this brief but valuable post session evaluation.** *Responses are anonymous and will be used to improve future programming.*

Type <https://bit.ly/scits2019> into your browser to launch survey  
or ....

Scan this QR code



**Thank you!**

