

CCTST

Center for Clinical
& Translational
Science & Training



Preparing Proposals in Response to the Collaborative Advancement Grant Program

October 2, 2018
462 Langsam Library

CCTST

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Team Science and Collaborative Training

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Definition: *Team Science*

“Team Science is a collaborative effort to address a scientific challenge that leverages the strengths and expertise of professionals trained in different fields.”

Team Science Toolkit - NCI

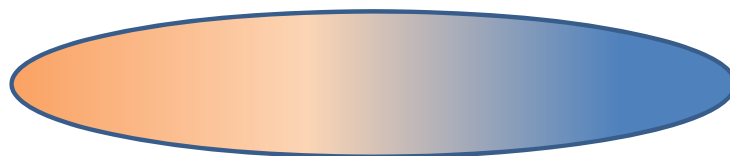
Definition: *The Science of Team Science (SciTS)*

...a new interdisciplinary field...which aims to better understand the circumstances that facilitate or hinder effective team-based research and practice and to identify the unique outcomes of these approaches in the areas of productivity, innovation, and translation.

(Stokols et al., 2013 p. 4).

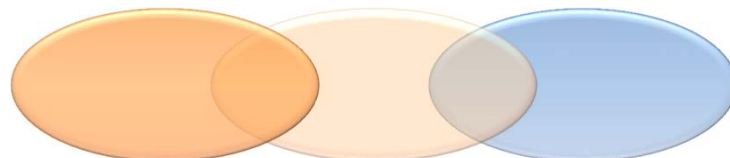
Collaboration Hierarchy

Transdisciplinary



Researchers integrate and also transcend disciplinary approaches to generate fundamentally new conceptual frameworks, theories, models, and applications.

Interdisciplinary



Researchers integrate “information, data, techniques, tools, perspectives, concepts, and/or theories from two or more disciplines...to advance fundamental understanding or to solve problems.” (*NAS, NAE, and IOM, 2005, p.26*)

Multidisciplinary



Researchers from different disciplines each make separate contributions in an additive way.

Unidisciplinary



Researchers from a single discipline work together to address a common problem.

Reasons not to care about Team Science

- It's common sense – “I already know this stuff”
- It's much too “touchy feely” for me
- Our team is already high-functioning
- It takes too much time and doesn't yield very much (ROI)
- It has nothing to do with our productivity
- We've been together too long to change

The Value of Learning Team Skills

- Confidence working in, creating, or leading teams
- A happier, more satisfying work environment
- Higher productivity
- Reduce stress
- Makes you a more valuable colleague
- Enriches personal and professional networks



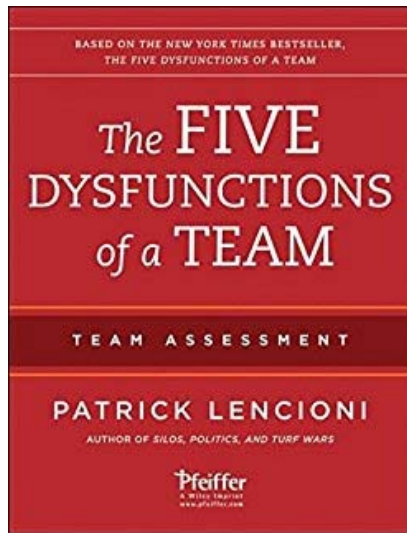
HOW MANY PSYCHIATRISTS DOES IT TAKE
TO CHANGE A LIGHTBULB?



ONLY ONE, BUT THE LIGHTBULB
HAS TO WANT TO CHANGE.

10 Characteristics of High Functioning Teams

1. Interdependence
2. Well-defined goals
3. Determine how the team will make decisions
4. Provide clear and constant feedback
5. Keep team membership stable
6. Allow team members to challenge the status quo
7. Learn how to identify and attract talent
8. Use team-based reward systems
9. Create a learning environment
10. Focus on the collective mission



Functional Areas of Teams

• Task Functions

- Initiating
- Information seeking
- Information giving
- Opinion seeking
- Clarifying
- Elaborating
- Coordinating
- Developing procedures
- Summarizing

• Maintenance (Team) Functions

- Encouraging
- Expressing feelings
- Having fun
- Compromising
- Facilitating communication
- Interpreting
- Listening
- Following
- Declaring success

Team Science Resources

<https://cctst.uc.edu/programs/cis>

Resources


- Articles
- Guides
- Tools
- Links
- Presentations
- Videos

Consultations

- Team Assessments
- Customized Training
- Brief Interventions

Center for Improvement Sciences

The mission of the Center for Improvement Science is to facilitate interprofessional collaborations through networking, team science education, and consultation in which all participants find deep mutual benefit.



Jack Kues, director

The Center for Improvement Science (CIS) was created in 2015 in order to facilitate better multidisciplinary collaboration and to promote the use of team science principles. Its primary aim is to provide translational and interprofessional investigators and teams with easy access to a range of resources that had previously been unavailable or scattered throughout the CCTST partner institutions. CIS is home for team science training, consultation, and research. It is also building resources to support system change and the adoption and dissemination of care improvements (Implementation Science). A number of other resources from around the CCTST are also accessible through the CIS, including expertise in health services research, outcomes research, community-based research, developing effective collaborations, and program evaluation. A consultation call or appointment with a CIS navigator can save investigators a great deal of time and effort identifying and finding resources to help them and their teams. We have a library of readings and tools available in the resource section below.

Services Provided

<p>Team Science Consultations</p> <ul style="list-style-type: none"> • Integrating team science principles and/or training into training and research proposals • Team evaluation • Team development 	<p>Evaluation Consultations</p> <ul style="list-style-type: none"> • Integrating program evaluation design and analysis into training, and programmatic and research proposals • Survey development coaching • Data management coaching
<p>Team Science Training</p> <ul style="list-style-type: none"> • Workshops • Targeted training for operational areas 	<p>Evaluation Services</p> <ul style="list-style-type: none"> • Program evaluation • Survey development

- Acute Care Research Council
- Acute Care Research Regulatory Professionals
- Ohio Valley IACRN
- Research Participant Advisory Groups

Become a Member

Member Benefits
resources, funding, collaboration

Researchers
Faculty
Staff
Community

Join Now

There are 4,092 CCTST members

Member Login

Username

Password

Log in

Account Recovery

Education/Training

- Workshops
 - Basics
 - Advanced Topics
 - Customized
- One-hour sessions
 - Grand Rounds
 - Course Sessions
 - Customized
- Graduate Course
 - Team Science and Collaboration

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)

To receive meeting information (agendas, funding opportunities, call-in information) send an e-mail request to Barbara.Speer@uc.edu.



<https://www.teamsciencetoolkit.cancer.gov/public/Home.aspx>

National Cancer Institute at the National Institutes of Health | www.cancer.gov

Team Science Toolkit

An interactive website to help you support, conduct and study team-based research.

Home | About Team Science | About the Toolkit | **Discover** | Contribute | Connect | News & Events | About Us

SciTS 2017 Conference! June 12-14, 2017

The annual Science of Team Science (SciTS) conference will be hosted by the University of Central Florida, in Clearwater Beach, FL. The 2017 conference will review the current state of knowledge in the SciTS field, highlight applications for enhancing team science, and discuss future directions for advancing SciTS to improve the global scientific enterprise.

[> Learn More](#)

> Discover what resources are available.

Search for a keyword [Search](#)
Advanced Search

OR

Browse by type of resource or goal [Browse](#)

> Contribute new resources to the Toolkit.
Share your knowledge by uploading tools and information about the practice or study of team science.

> Connect to colleagues across disciplines.
Join expert discussions on the blog, add your name to the directory, or stay up-to-date on News and Events.

[What Users Are Saying >](#)

Recently Added Resources

- ENABLING INTERDISCIPLINARY AND TEAM SCIENCE: ...
- 2015 Science of Team Science Program Abstract...
- 2016 Science of Team Science Final Conference...

The Toolkit currently includes **2675** resources.

[Login](#) | [Register](#)

Resources

- Tools
- Measures
- Bibliography
- Editors' Picks

Connections

- Recent Blog Posts
- Listserv
- Communication Materials
- Team Science Experts

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<http://www.teamscience.net>



NUCATS
Clinical and Translational Sciences Institute

[View the Team Science Commercial video](#)



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Contact the [teamscience.net](http://www.teamscience.net) team:
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How Can I Help?

