



National Institute of
Neurological Disorders
and Stroke

Office of Programs to
Enhance the
Neuroscience Workforce

OPEN STAGE

webinar series

Better Together

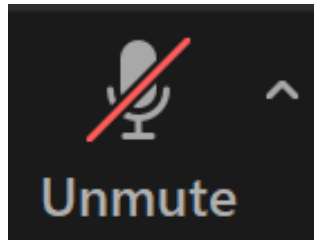
Perspectives on Training in Team Science

AUGUST 20, 2024
2:00 - 3:00 PM ET

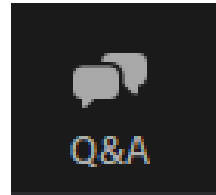


Meeting Reminders

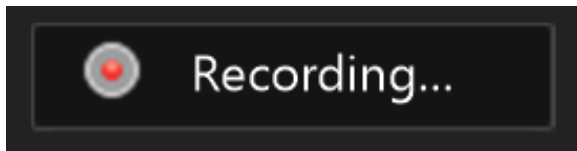
Attendees are muted



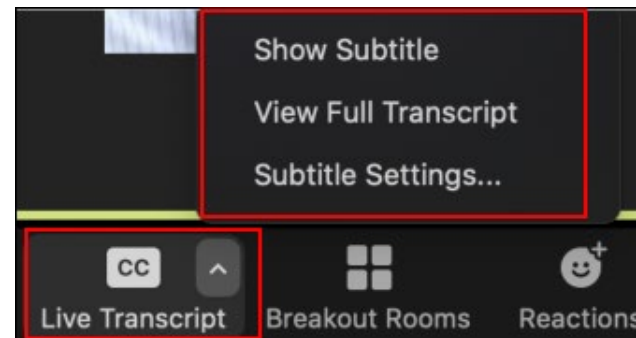
Submit questions in Q&A box



Presentation is being recorded



Live transcript available



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**Collaborative Opportunities for Multidisciplinary,
Bold, and Innovative Neuroscience (COMBINE)
(RM1, RFA-NS-23-027)**

OPEN Stage Webinar: Better Together – Perspectives on Training in Team Science

August 20, 2024



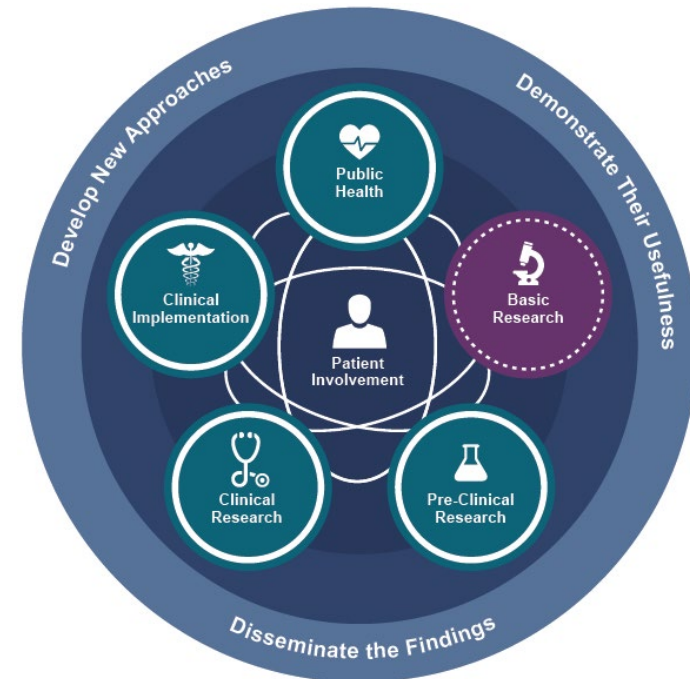
What is Team Science

Team Science

"The team science approaches involves two or more individuals working interdependently toward a shared scientific goal. Team size spans from dyads to small teams, and from large groups to teams of teams. Teams also vary in their disciplinary composition and degree of disciplinary integration".

National Research Council. Enhancing the effectiveness of team science. 2015 Apr 24.

A team science approach expands our ability to pursue challenging problems in neuroscience research in a comprehensive, interdisciplinary, rigorous, and mechanistic manner.



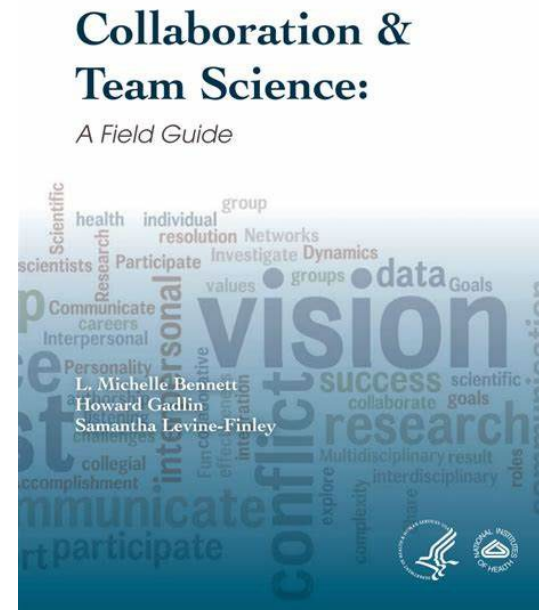
(NCATS)

The Science of Team Science

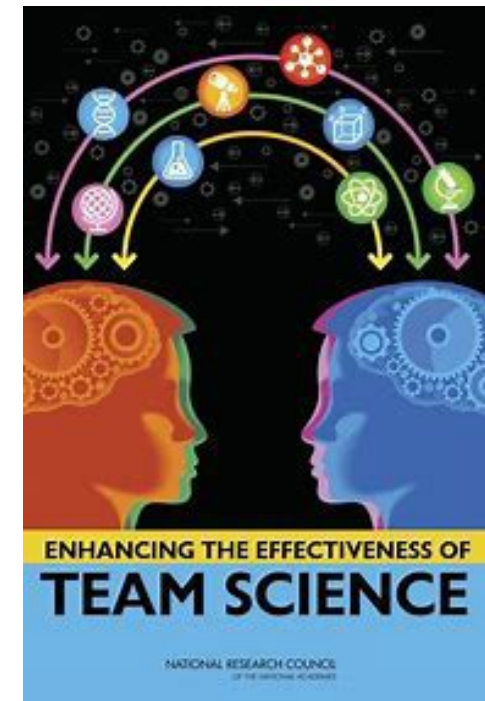
Lessons Learned

- Facilitators
 - Beneficial Attitudes and Beliefs
 - Effective Team Processes
 - Brokering and Bridge-Building Activities
 - Funding Initiative Characteristics
- Barriers
 - Integration
 - Discipline-based Differences
 - Project Management
 - Incentive and Reward System

Bennett, L. M., Gadlin, H., & Marchand, C. (2018). Collaboration team science: Field guide. US Department of Health & Human Services, National Institutes of Health, National Cancer Institute.



Hilton, M. L., & Cooke, N. J. (Eds.). (2015). Enhancing the Effectiveness of Team Science.



5 Vogel, A. L., Stipelman, B. A., Hall, K. L., Nebeling, L., Stokols, D., & Spruijt-Metz, D. (2014). Pioneering the transdisciplinary team science approach: Lessons learned from National Cancer Institute grantees. *Journal of translational medicine & epidemiology*, 2(2).

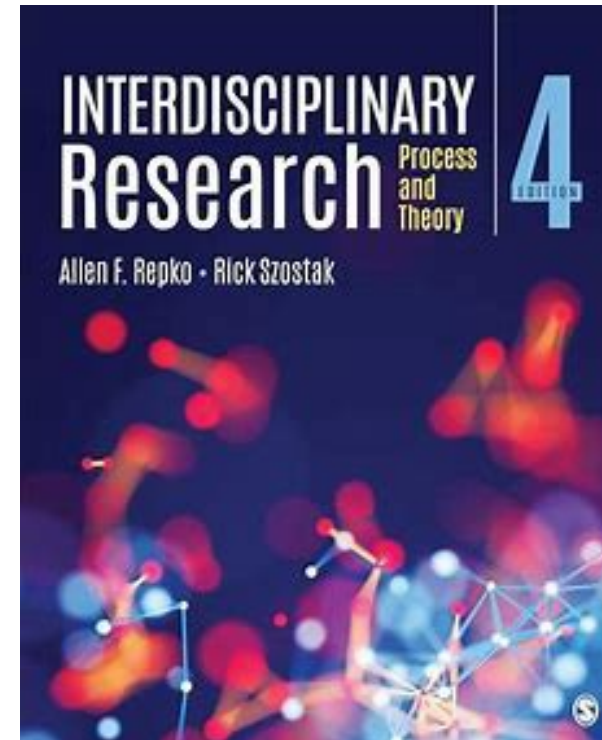
Diverse Perspectives



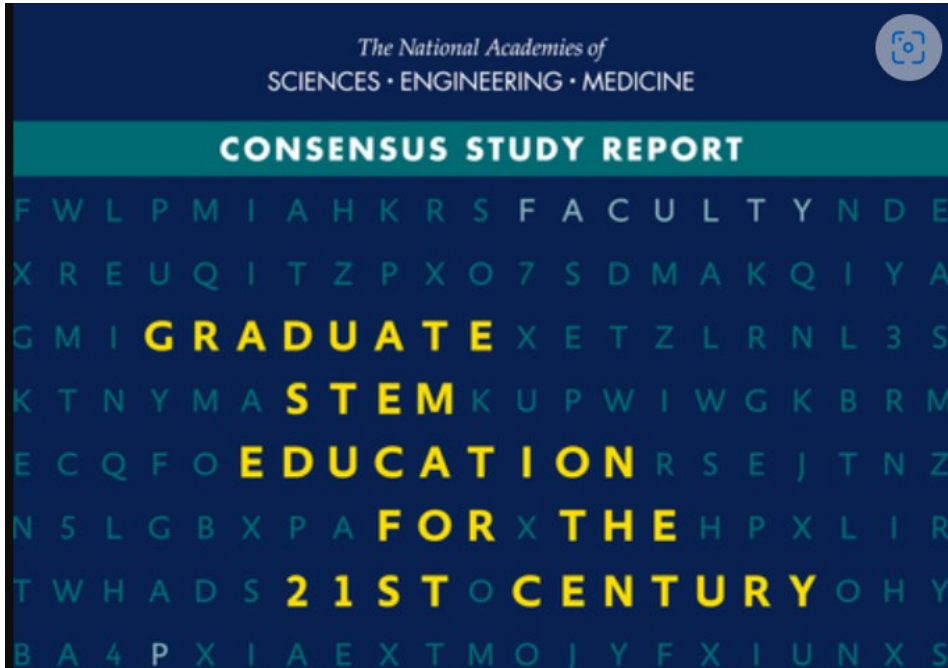
Better Together

- Diverse Perspectives
 - Addressing Bias & Generalizable Results
 - Community-Based Participatory Research
- Disciplinary Insights
 - Identifying Relevant Disciplines
 - Building Adequacy in Disciplines
- Integration Insights
 - Conflict and Common Ground
 - Communicating Change

Repko, A. F., & Szostak, R. (2020). *Interdisciplinary research: Process and theory*. Sage Publications.



Early-Career Scientists



Scherer L, Leshner A, editors. Graduate STEM education for the 21st century. National Academies Press; 2018 Sep 21.

PNAS

RESEARCH ARTICLE | SOCIAL SCIENCES

OPEN ACCESS



Slow convergence: Career impediments to interdisciplinary biomedical research

Enrico Berkes^{a,1}, Monica Marion^{b,1}, Staša Milojević^{b,1}, and Bruce A. Weinberg^{c,d,e,1,2}

Affiliations are included on p. 8.

Edited by Alan L. Porter, Georgia Institute of Technology, Atlanta, GA; received February 12, 2024; accepted May 29, 2024 by Editorial Board Member Mark Granovetter

Berkes E, Marion M, Milojević S, Weinberg BA. Slow convergence: Career impediments to interdisciplinary biomedical research. *Proceedings of the National Academy of Sciences*. 2024 Aug 6;121(32):e2402646121.

Careers & recruitment

Career feature

<https://doi.org/10.1038/s41587-024-02351-8>

The rise of teamwork and career prospects in academic science

Check for updates

The rise in team size in academic science has generated an unintended side effect: junior scientists are less likely to secure research funding or obtain tenure and are more likely to leave academia.

Andalón M, de Fontenay C, Ginther DK, Lim K. The rise of teamwork and career prospects in academic science. *Nature Biotechnology*. 2024 Aug;42(8):1314-9.



Barriers and Opportunities for Facilitating Team Science Workshop & Committee Meeting 4

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- About
- Video
- FACA Info
- Meeting Materials
- Contact

The Committee on Research and Application in Team Science will hold a public workshop on August 6th from 1 to 5 pm. The workshop will include presentations and discussions by young researchers, lead investigators, and funders of Team Science and discuss the barriers and opportunities in the field. The committee will use the workshop as another data point as they continue working on their task.

[AGENDA](#) [↓](#)

DATE(S)

Aug 6 - 7, 2024

1:15–2:15pm

Early Career Perspectives

Moderator: Debbie Diaz Granados

Zeynab Jouzi, Postdoctoral Associate, Cornell University

Tori Simenec, PhD Graduate Student, University of Minnesota Twin Cities

Melissa Walsh, Director of Graduate Education Administration and Training Grant Support, Brown University

Register Now! Team Science Seminar #2



NIH/NINDS Team Science Seminar Series #2: Convergence in Complex Science



Details

The NIH/NINDS Team Science Seminar Series facilitates knowledge generation and translation through conversation on topics, projects, and perspectives at the intersection of biomedical science and team science.

December 12, 2024: Convergence in Complex Science.

Details

- 📅 Thu, Dec 12
- 🕒 12:00 PM - 2:00 PM EST
- 📍 Online event

[Register](#)