# 2023-2024 TEAM SCIENCE SEMINAR SERIES SCHEDULE

Logistics: 10 one-hour sessions occurring Oct 2023-June 2024 from 12pm-1pm on the 1st Thurs of each month; certificate offered through ITHS if attend 8 or more sessions (80%) & complete session evaluations.

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10/5/23	Introduction to the Team Science Seminar Series 2023-2024: Collaboration & Teamwork	3/7/2024	Engaging the Community
11/2/2023	Kicking-off a New Team	4/4/2024	Getting Promoted as a Team Scientist
12/7/2023	Team Writing: Opportunities & Challenges	5/2/2024	Writing Team Plans for Grants
1/4/24	Tools for Collaboration	5/23/2024	Leadership: Managing Up and Delegation
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Learning Objectives

AT THE END OF THIS SEMINAR, PARTICIPANTS WILL BE ABLE TO:

1. Understand growth trends in multi-PI grants locally and nationally.

2. Increase awareness of effective team management structures to achieve program goals in multi-PI grants.

3. Describe resources to support writing of team management plans as part of a grant proposal.

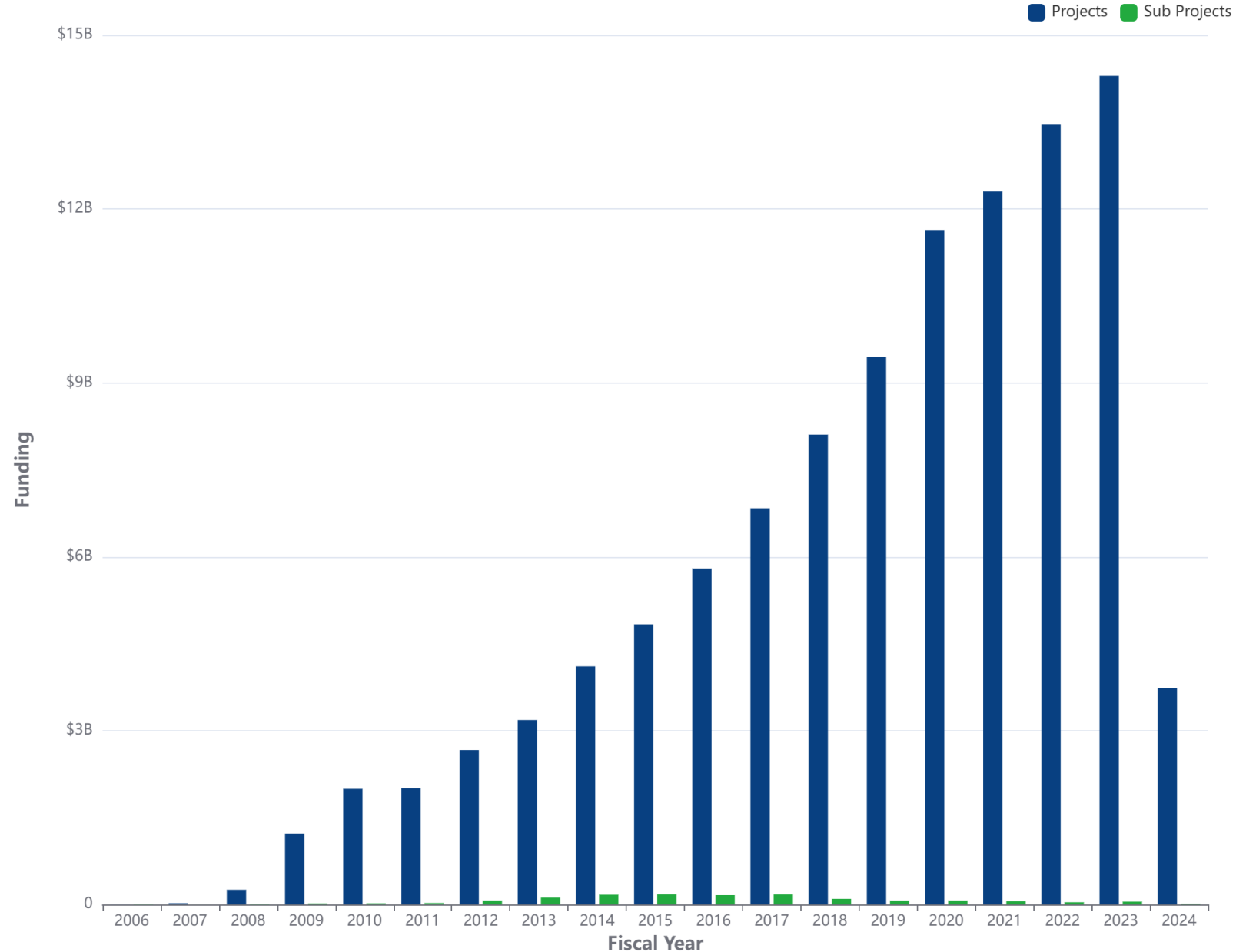4. Discuss challenges associated with team-based research.
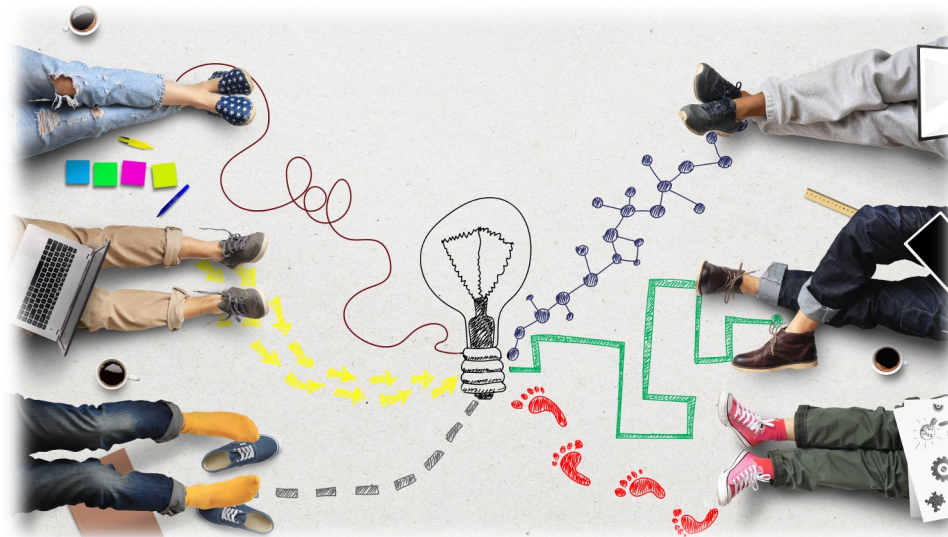
Plan for the Day

- Welcome & Introductions

- Learning Objectives & Plan for the Day

- Growth Trends in Multi-PI Grants Locally & Nationally

  - Recurring RFA's at ITHS Partner Institutions

- Common "Teaming" Elements in Grant Applications & Relevant Resources

  - Multiple PD/PI Leadership Plans (required in NIH multi-PI/PD grants)

  - Plans for Including Diverse Perspectives (increasingly required as part of NIH applications)

  - Overall Structure of Study Team (optional attachment in NIH Human Subjects Forms)

  - Team Management Plans (required for some RFA's—e.g., RM1/COMBINE)

  - Variations (e.g., intramural RFAs, mentor team plans for career development awards)

- Resources for Writing Teaming Plans for Grants

- Q&A/Team Science Office Hours

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Trends and Opportunities in Multiple PI/Collaborative Grants

- Substantial growth in multiple-PI & collaborative grants

- NIH adopted a multiple PD/PI model in Feb 2007 to encourage interdisciplinary collaboration and other team approaches to biomedical research (had started discussing in 2003 & had some pilot RFA's prior to expanding)

Projects ■ **Sub Projects** ■

Funding

$15B

$12B

$9B

$6B

$3B

0

2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024

Fiscal Year

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Source: NIH Reporter

Examples of Team Science Grants at ITHS Partner Institutions

ITHS: Translational Research Partnership Awards (established in 2017)

- ► Academic Community Partnerships
- ► New Interdisciplinary Academic Collaborations

UW Population Health Initiative (established in 2017)

- ► Pilot Research Grants (Tiers 1-3)

UW Global Cardiovascular Health Program (established in 2021)

- ► Interdisciplinary Team Science Pilot Grants

Seattle Children's Research Institute (pilot program in 2022)

- ► Team Science Ignition Pilot Program (2022-2024)

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Common Elements of Multiple PD/PI Leadership Plans

- Justification for a Multiple PI approach

- Governance & organizational structure of the leadership team & research project
  - Describes each PI's contributions & responsibilities (e.g., PI#1 has expertise in X will be responsible for X; PI#2 has expertise in Y & will be responsible for Y)
  - Focuses on leadership, communication, & interactions across the PD/PIs– particularly processes for decision-making on scientific direction & allocation of resources among PI's
  - Delineates mechanism for resolving conflicts (e.g., arbiters)

- Examples & Additional Information:
  - ► https://grants.nih.gov/grants/multi_pi/index.htm
  - ► sample_leadership_plans.pdf (nih.gov)
  - ► Multiple Principal Investigators | NIAID: National Institute of Allergy and Infectious Diseases (nih.gov)

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Plans for Including Diverse Perspectives (usually 1 page max)

Examples of items that advance inclusivity in research and may be part of the PEDP can include, but are not limited to:

Discussion of engagement with different types of institutions & organizations (e.g., research-intensive, undergraduate-focused, minority-serving, community-based)

Plan to utilize the project infrastructure to support diverse junior, early- and mid-career researchers.

Description of any planned partnerships that may enhance geographic and regional diversity

Description of any training and/or mentoring opportunities available to encourage participation of students, postdoctoral researchers and co-investigators of diverse backgrounds

Plan to enhance recruiting of women and individuals from groups traditionally underrepresented in the biomedical, behavioral, and clinical research workforce

Publication plan that enumerates planned manuscripts and proposed lead authorship

Proposed monitoring activities to identify and measure PEDP progress benchmarks

Outreach and planned engagement activities to enhance recruitment of individuals from diverse groups as research participants including from underrepresented backgrounds

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Overall Structure of Study Team

3.5 Overall Structure of the Study Team

The "Overall Structure of the Study Team" attachment is optional. Refer to your specific FOA for specific instructions on the "Overall Structure of the Study Team" attachment.

Format:

Attach this information as a PDF file. See NIH's Format Attachments page.

Content:

Provide a brief overview of the organizational/administrative structure and function of the study team, particularly the administrative sites, data coordinating sites, enrollment/participating sites, and any separate laboratory or testing centers. The attachment may include information on study team composition and key roles (e.g., medical monitor, data coordinating center), the governance of the study, and a description of how study decisions and progress are communicated and reported.
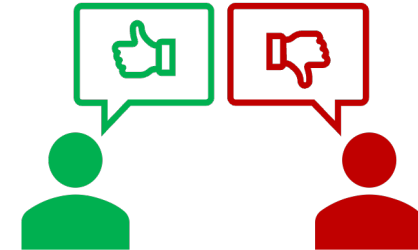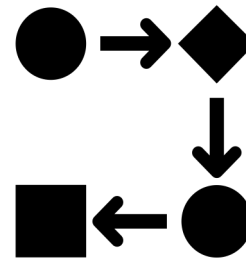
Note: Do not include study team members' individual professional experiences (i.e., biosketch information).

Source: SF 424 NIH Research Instructions

Team Management Plans

- Being required as part of some collaborative grants (e.g., RM1) [PAR-23-077: Collaborative Program Grant for Multidisciplinary Teams (RM1 - Clinical Trial Optional) (nih.gov)](#)

- Focuses on management of the whole team/key personnel (distinct but complementary to Multiple PD/PI Leadership Plan)

- Addresses how group will function collectively to achieve program's objectives & vision

  - Make sure team roles & expertise of team members are clear (highlight prior successful collaborations among team members)

  - Describe how you will develop trust, share responsibilities, & promote productive interpersonal interactions

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Team Management Plans - continued

- Usually includes information about communication strategies, data sharing, fiscal management including resource allocation & oversight, how professional credit (e.g., authorship) will be managed

  - Explain how team will collaborate (e.g., meeting schedules/formats, communication strategies, how tasks will be assigned & monitored, decision-making processes, conflict resolution)
  - May be requested to address plans for professional development

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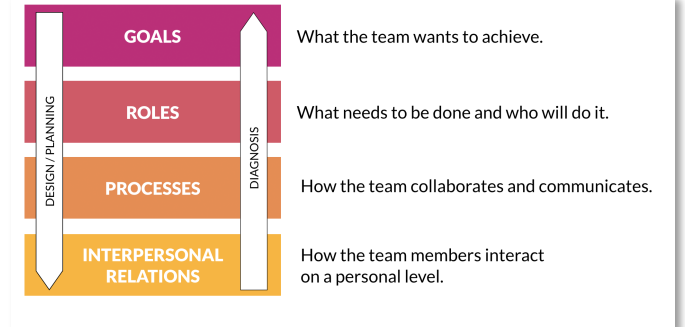ACCELERATING RESEARCH. IMPROVING HEALTH.

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Trends

- Growing number of grants that have the option to be multiple PD/PI and/or require team management plans – make sure to read and understand the requirements of the specific RFA you are applying to

  - Lots of common themes but still a fair amount of variation.

- For multiple PD/PI grants– there are a range of mechanisms with different purposes & characteristics (e.g., team vs. multi-component)

  - Example from NINDS of terminology distinctions: Team or Multi-Component | National Institute of Neurological Disorders and Stroke (nih.gov)

- Seeing more RFA's require inclusion of a team manager role – stronger applications are able to be specific about who this person is and/or how they will be identified.

Tips

1. Consider referencing & describing elements in relation to an established TS framework (e.g., GRPI, 6 Conditions Framework, etc.)

2. Find examples (ask among your colleagues &/or on NIH reporter, look at NIH examples online) (will always need to tailor to your questions and team)

   - Sample NIH Plans (note: so far there are leadership plans but not team management plans highlighted on this site): Samples: Applications, Attachments, and Other Documents | grants.nih.gov

   - Seek out feedback on your draft plans (e.g., during mock reviews, reach out to ITHS Team Science, etc.)

GRPI image source: https://www.hinteregger.de/wp-content/uploads/2018/03/GRPI2.png

6 Conditions image source: https://6teamconditions.com/podcasts/podcast/episode-002-the-6-conditions-framework

Tips - continued

3. Align language across different elements of application (e.g., in team management plan, biosketches, letters of support, leadership plan if using multiple PD/PI approach)

4. Cite rationales/justification for using selected approaches and/or describe approaches that you have used successfully with your applicant team (can report that you did these things during prior projects and/or during the grant writing process)

5. Build in team science training & faculty development (e.g., offer team science workshop annually for free– can build into plan and describe topics that will be covered)

   - Team Science - ITHS
   - Can request a letter of support from ITHS if obtaining Team Science or other services

Q&A

What questions do you have about writing teaming plans (e.g., multiple PD/PI leadership plans, PDEP's &/or team management plans) for grants?

Debrief/Wrap-Up

► Please provide feedback on today's session!

  ► Feedback in chat

  ► Complete Today's Session Evaluation

► Next session:

  ► Leadership: Managing Up and Delegation

  ► Thurs 5/23/2024 12:00pm-1:00pm

  ► Registration is live

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