

Transdisciplinary D & I cores within CTSAs

**4th Annual NIH Conference on the
Science of Dissemination and Implementation:
Policy and Practice**

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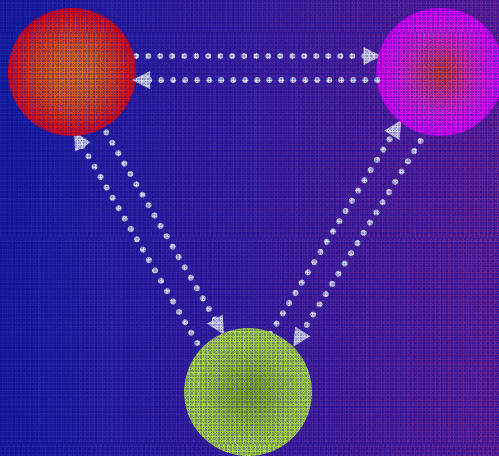


Objectives

1. To [briefly] understand the nature and impact of transdisciplinary research.
2. To review D & I activities in one CTSA core.

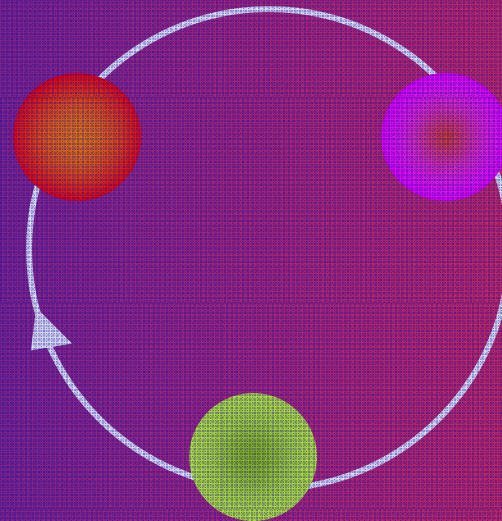
Distinguishing transdisciplinarity

MULTIDISCIPLINARY



- Separate bodies of knowledge
- Different “languages”

INTERDISCIPLINARY



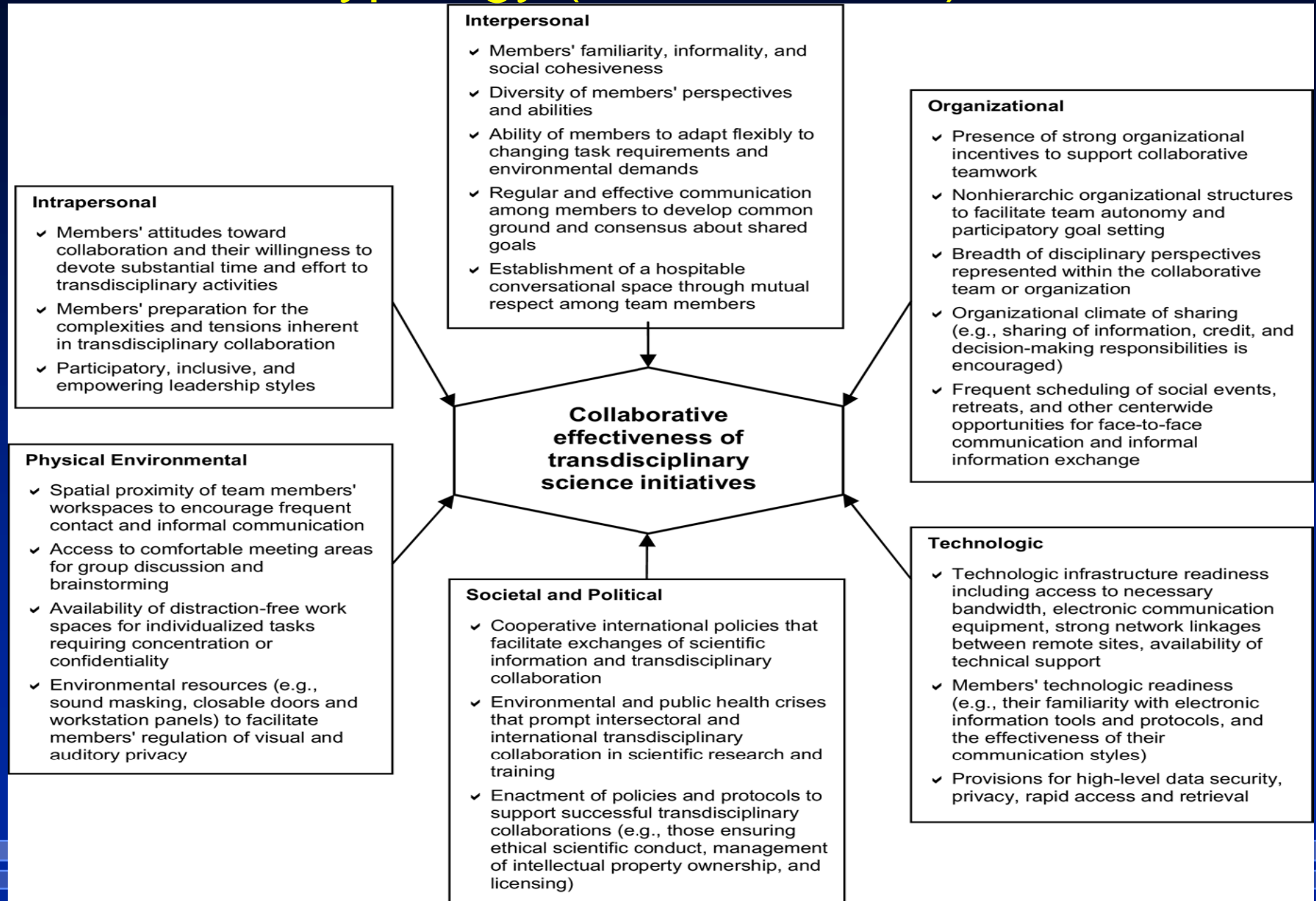
- Shared bodies of knowledge
- Shared “vocabulary”

TRANSDISCIPLINARY



- Shared language
- Pooled bodies of knowledge and theory
- Jointly-developed new methods

Typology (Stokols, 2008)



Selected keys to successful transdisciplinary functioning

- Frequent formal and informal meetings
- Present to one another often (not just to outsiders)
- Cross-train students and post-docs
- Develop a plan for conflict resolution (e.g., internal steering committee, chain of command)

Washington University Dissemination & Implementation Research Core (DIRC): Services and Supports

Transdisciplinary leadership team provides:

Dissemination & Implementation Research toolkit

- Glossaries of D&I terminology
- Annotated D & I literature
- D & I strategies collection
- D & I outcomes collection
- Research designs for D & I research
- Conceptual models for D & I research

DIRC: Services and Supports

DIRC team mentoring and consultation:

- crafting D & I specific aims for grants
- shaping program of research in D&I
- identifying consultants and D&I experts for team

Pre-submission peer review

DIRC: Services and Supports

Design and analysis expertise for the
unique challenges of D&I research –

Mixed research methods

- Record abstraction
- Stakeholder preference assessment
 - multiple stakeholders
- Qualitative research methods
- Multi-level analysis
- Power limitations for within-organizational research

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The science of team science



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