LEADING AND MANAGING COMPLEX CROSS-DISCIPLINARY TEAMS

Nathan Meier
Director of Research Development
Office of the Vice President for Research
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APPROACHING CROSS-DISCIPLINARITY
“There are wholes, the behaviour of which is not determined by that of their individual elements, but where the part-processes are themselves determined by the intrinsic nature of the whole.”

HERDING LIONS
TEN KEYS TO TEAM SUCCESS

• Leadership
• Vision
• Trust
• Self-awareness/emotional intelligence
• Mentoring
TEN KEYS TO TEAM SUCCESS

• Team evolution and dynamics
• Communication
• Recognition and sharing success
• Conflict and disagreement
• Navigating/leveraging networks and systems
SOME RESOURCES

• NRC report on *The Integration of the Humanities and Arts with Sciences, Engineering, and Medicine in Higher Education* (http://www.informalscience.org/sites/default/files/24988.pdf)

• NRC report on *Enhancing the Effectiveness of Team Science* (https://www.ncbi.nlm.nih.gov/books/NBK310387/)

• Team Science Toolkit (https://www.teamsciencetoolkit.cancer.gov)

• Toolbox Dialogue Initiative (http://toolbox-project.org/)

• Collaboration Success Wizard (http://hana.ics.uci.edu/wizard/)
SOME ADVICE

• Grand Challenge solutions must be forward thinking and feasible only through a cross-disciplinary approach
• The team must be strong, inclusive, engaged, and committed
• Strong team management strategies and well-developed communication plans are essential to success
• Attempts to proportionally distribute money will fail
• A full complement of disciplinary talent and experience are required to effect meaningful change – especially behavioral

***The whole **must** be greater than the sum of its parts!***
THANK YOU!

Nathan Meier
Director of Research Development
Office of the Vice President for Research
205-934-0934
nmeier@uab.edu