



UNO STEM Leadership Team Agenda

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Moderated Listservs: UNO.STEM Leadership and UNO.STEM Colleagues (Please send to a CC for distribution)

UNO WiSTEM Pro2 (Make requests to officers at: unowistemp2@unomaha.edu)

Omaha STEM Ecosystem Distribution (Contact Director Julie Sigmon at: julie.sigmon@omahazoo.com)

STEM Leadership Team Minutes

Friday, April 10, 2020 10:30 am to 11:30 am

o Attendees:

- | | |
|-----------------------|-------------------------|
| - Christine Cutucache | - Connie O'Brien |
| - Ashlee Dere | - Patrick Rault |
| - Kelly Deuerling | - Traci Reding |
| - Brian Dorn | - Dana Richter-Egger |
| - Kelly Gomez Johnson | - Chris Schaben |
| - Andy Jacobsen | - Robert Shuster |
| - Paula Jakopovic | - Harvey Siy |
| - Rachael Jensen | - Nik Stevenson |
| - Anne Karabon | - Scott Tarry |
| - Heather Leas | - Krista Testin |
| - Dena Lund | - Kristin VanWyngaarden |
| - Michael Matthews | - Victor Winter |
| - Chris Moore | - Jenna Yentes |

Announcements on Status of Center for 2019-2020 Academic year (10 mins, CEC)

- **Awarded a UNO Big Idea** - We were funded for UNO Big ideas.
 - Had lots of help guiding the center through approvals/negotiations.
 - It is really terrific to have UNO invested in things that we are excited about!
 - Want to ensure we do a great job at return on investment.
 - Everyone has been great at donating their time and expertise.

- **We rely heavily on extramural support to run the Center.** At this time here are the #'s:
 - o Awarded (5 grants): \$1,323,203
 - o Under Review (6 grants): \$3,642,940
 - o Prospective (now-Aug submissions, 9): \$4,236,000
 - o Not awarded (2): \$2,410,945
 - o Note: anything submitted prior to Sept 30 2019 isn't counted above
- o Kudos & special thanks to those who have submitted, or are in the process of submitting grants via the Center (in no particular order): Drs. Reding, Johnson, Moore, Dorn, Tapprich, Stevenson, Buzzell, Hein, Matthews, McGlamery, Brusky, Nero, Ewald, Dierberger, Love, Majumbder, Boocker, Edwards, Pelton, Conrad, Richter-Egger, Deuerling, Dere, Grandgenett, Rault, Schuetzler, Wiggins, Hall, Friend, Hale, others?

- First full year of STC (May 30, 2019-May 29, 2020, counting Launch in Sept 2019 as true “launch”)
- We are changing the targeting of programming to target certain groups for next academic year, e.g.s:
 - Grad students – certain populations.
 - Associate professors, etc.
 - More people invited, but not to the exclusion of others
 - Shifting the time to Fridays at 11am in TAC beginning Fall 2020.
 - Include more student-centered programming
- **Seminar Reminders:** (1 min, BD): April 17th Dr. Couch DBER Speaker
<https://www.unomaha.edu/academic-affairs/stem-trail-center/index.php>
- **Youth Safety** (Rachael Jensen / Rachael Ceraso)
 - All youth events this summer are cancelled.
 - Only a couple of camps have moved their camps remotely.
 - Parents want online options.
 - If you are taking your events online – let Rachael know.
 - Zoom bombings happening especially at kid events.
 - For your protection and for the kids, it’s good to have that two person supervision.
 - Don’t do anything privately – open it up to the group.
 - Be extremely cautious about taking pictures online or recording
 - Have specific times set for these events.
 - No private chats/times
 - Not all kids are in safe situations at home.
 - Feedback/discussion:
 - Sufficient continuous discussion has necessitated a follow up call the week of April 12, 2020 via zoom for continued brainstorming: **Wed, April 15, 2020, 2pm – please RSVP on STC website to be included.**
 - Core talking points for subsequent meeting:
 - Safety online/virtual platforms
 - Inclusivity of all students
 - Monitoring
- **IRB/IBC/IACUC** (CCs, 10 mins): See RSS for updates, but basically anything less than cancer therapeutics doesn’t rise to the level of in-person investigations. **Any needs at this time?**
 - IRB office, anything with human subject work is to be halted if it requires contact with the exception of e.g. cancer, if it saves their life, etc.
 - The regulatory office continues to review protocols upon receipt. Being proactive is strongly recommended.

As a general reminder, you can always ask for a no-cost extension!

- **Pre-tenure notes** (CEC, 3 mins) (e.g. “pause the clock” & delays in awards)
 - Changes to work influence things outside of solely tenure decisions—to include competition on the national stage for grants.
 - Reach out with asks for resources to the STC for things like grant writing help, data collection, analysis, or additional resources to help you #keepworking.

- **Resources for parents of K-12 to add to the website? (CEC)**
 - Various agencies are offering programming via one-offs or daily. Send any recommendations to denalund@Unomaha.edu to add to the website. We've already included many links, including those recommended at this meeting.

- **Feedback on the STEM Center.... Any Needed Messaging? (All)**
 What do you still need to know? Have you heard any questions from colleagues?
 Do you have any recommendations for further messaging?

Announcements from the group:

- 172 Followers of @UNOSTEMTRAIL as of today!
- WiSTEMPro2: April 21st from 12 – 1, six representatives from different colleges talking about their DNI efforts and how it looks at the college level. Zoom link for Diversity & Inclusion Panel (via WiSTEM Pro^2): <https://unomaha.zoom.us/j/888802013>
- Connie O'Brien has time available to help with various projects, reach out for tasking
- Tutoring Centers are still open & can be accessed via their websites (i.e. MSLC; Writing; CSLC)
- Andy – OIE: Withdrawals from courses are down
- Upcoming “live” science webinars (Chris Moore)
 - Will be doing webinars – Pearson PreK-12
 - Chemistry
 - Physics is coming out.
 - Webinars end of April, beg of May
 - Biology – Joe Levine
 - Webinar – Phospholipids/molecules
 - Next week- all physics
 - Modeling sneeze trajectories
 - Velocities of forces in sneeze
 - Designed as content for students

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Why a Center?
Can't You Just Continue As Before?

- Increase Efficiency (*Synchronize Coordination*)
- Better manage team post-award process
- Assemble “Pieces” of Staff (*Continuity/Longevity*)
- Compete With National “Centers”
- Build Confidence with Funders
- Strengthen/Streamline Communication
- Expand Grant Size (i.e. NSF RII's)
- Unify with “Research as Pedagogy”



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STEM TRAIL Center
Teaching, Research, And Inquiry-based Learning

What it IS:

- An Administrative Unit
- Led by STEM Community Chairs
- Reports to Rotating STEM Dean
- Has Revolving Account(s)
- Strategy for External Funding
- Course Innovation Catalyst
- Focused Expertise Resource
- Collaborative and Welcoming!

What it is NOT:

- An Academic Unit
- “Stand alone” faculty
- “Stand alone” programs
- “Stand alone” courses
- “Burden” on Departments
- “Bigger Silo”



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“TRAIL Center” Advantages

To Undergraduate Students:	To Faculty:
● Topical Seminars	● Co-PI Roles on Grant Teams
● Switched Support After Grants	● Guided DBER Efforts
● Travel/Funding to Assist Faculty	● STEM Talks, Training, Speakers
● Enhanced STEM Coursework	● More Inclusiveness (i.e. STEAM)
To Graduate Students:	To Administration:
● Travel Grants to Conferences	● Interdisciplinary Work/Efforts
● Expanded “STEM Stars” Awards	● Increased Donor Impacts
● Funding for Project Work	● Larger Grants and In-directs
● Enhanced STEM Courses	● Enhanced Assessments/Courses
To Community:	
● Focused STEM Contact	● Workforce Development Catalyst
● Strengthen NU Partnerships	● Increased STEM Initiatives