



# Newsletter

July 2020, Volume 1, Issue 12

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## Resources, resources, resources!

The theme of this summer at the STEM TRAIL Center is, you guessed it, RESOURCES! We are working hard to bring you programming and materials to help reduce your workload and add innovation in STEM. When you peruse our website, you'll find these resources organized by target audience. Here are some of our recent examples.

Would you like to share with your middle school class a range of STEM career fields? Or to work through a hands-on science project with your elementary-aged child? Check out our [Outreach page](#).

Are you a teacher looking for classroom resources? Feel free to download our NGSS-matched lesson plans under "Outreach". Aiming to expand your preparation to teach virtually? Check out the many certificate programs that UNO offers to continue learning, such as the [Instructional Technology Certificate](#).

If you are a researcher and/or graduate assistant looking for resources for your next grant application, we can help! Use our downloadable templates with institution-specific details (e.g. facilities, equipment, data management templates, and more) included under [Resources for Faculty](#). (And, we only included templates that received great scores from agencies for you to use!)

Are you a lifelong STEMmer and wish to stay apprised of the latest happenings in research and teaching? Join us for an upcoming [webinar](#), all are open to the public.

Undergraduates looking for a STEM extracurricular to get involved in at UNO? Check out our [searchable database](#)!

We hope that you will join us for a future event. And, we wanted to send a quick "Thanks!" for the terrific attendance that we have enjoyed, even during a pandemic, and during summer months. STEMmers always #STEMOn.

## Need More STC?

Visit our website for videos, lesson plans, and more!

[Click here!](#)



Follow us on Twitter!

**@UNOSTEMTRAIL**

# Upcoming Event

## Dr. Tracie Reding presents From Meta to Micro: The Breadth of Social Network Analysis and Its Potential Impact in Grants



Dr. Reding will review the basics of Social Network Analysis (SNA) while providing examples of its application at the Meta-, Meso-, and Micro-analysis levels. She will also review how SNA has been used to enhance recent grant proposals. This talk is geared toward anyone interested in learning a trending and growing research area with implications in multiple disciplines.

**Tuesday, July 21st** [RSVP](#)  
**10:00am - 11:00am** [here!](#)

\*online event through Zoom

## Research Support



We're aiming to automate pre-award support for STEM projects! Check out [our website](#) for a Research Participant FAQ, draft Consent sheet, and other quick links for IRB help. Working with human subjects, but unsure on whether you are conducting a clinical trial or not? [Use this Decision Tool from NIH.](#)

Have you ever been rushing toward a grant deadline wondering which forms will be required and if there are any templates available for these? Sure some sponsors offer BLANK templates, but what are the substantive components that should be included? We now offer template documents for the supporting information that you need for your grant preparation: NSF and NIH styled facilities, data management plans, and more. [Click here to go to our faculty resource page.](#)

You can also request a specific form for your project by emailing [unostemtrailcenter@unomaha.edu](mailto:unostemtrailcenter@unomaha.edu)

## Can't make it to our July events? Join us every month for programming.

**SciComm 2020** will be held online on August 14-16, 2020! There will be several featured speakers, including our very own Dr. Christine Cutucache. [Click here for more information and to RSVP.](#)

**Join us in September** for a presentation on resumes and cover letters with Sam Zeitner, Assistant Director of Career Advising at the UNO Academic & Career Development Center. [Click here for more information and to RSVP.](#)

 UNO STEM TRAIL CENTER

& THE CENTER FOR FACULTY EXCELLENCE

 REI  
racialequityinstitute, llc

## Save the Date

Racial Equity Institute Two Day Phase 1 Workshop

10.19.2020 & 10.20.2020 | 9 am to 5 pm | Via Zoom

Nominations (including self nominations) will be requested in August. Stay tuned for link to form.

University of Nebraska at Omaha  
**PROJECT TITLE** (And, remember that items not requested in budget but that are provided by the institution to support the project should be described here)

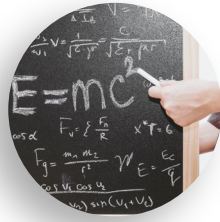
**FACILITIES, EQUIPMENT, AND OTHER RESOURCES**  
This project will use facilities, equipment, and resources at the University of Nebraska at Omaha (UNO), and **partner sites**.

**UNIVERSITY OF NEBRASKA AT OMAHA**  
UNO is actively increasing its organizational capacity to prepare additional STEM professionals, including secondary STEM teachers, as evidenced by several recent developments on campus, including the elevation of UNO's Carnegie Classification from "Master's Large" to "Doctoral Research" (2010), the formation of a new Fund for Undergraduate Scholarly Experiences (FUSE) supporting undergraduate students engaged in research (2011), and the creation of four named community chairs with leadership responsibilities in STEM (2010, 2011, 2013, and 2014). The project team will work within UNO's newly approved (2019) STEM Teaching, Research, and Inquiry-based Learning (TRAIL) Center. Importantly, the STEM TRAIL Center includes the Omaha Citywide STEM Ecosystem, which partners with a large network of 76 citywide STEM Ecosystems across the country. Therefore, information gleaned from this work will be disseminated via academic publications as well as Ecosystem events (amongst others) across the country within this community of practice. UNO has invested heavily in this novel infrastructure for ongoing support in research, teaching excellence, and community engagement as part of our campus mission.

Do you need a consortium letter of collaboration? [Please complete this request form.](#)

# Calling all Faculty!

We have an opportunity for you to join one of our groups!



## Coaching and mentoring for instruction

Get matched with a coach to improve your teaching in a classroom



## Coaching and mentoring for research expansion

Get connected with a network of research professionals

Interested? Contact [unostemtrailcenter@unomaha.edu](mailto:unostemtrailcenter@unomaha.edu)

## Celebrating Creativity in a COVID-19 Culture

The Omaha STEM Ecosystem was excited at the broad level of participation on the June 23rd Virtual Roundtable discussion: **Celebrating Creativity in a COVID-19 Culture**.

There were 67 community representatives on the call, representing 44 different community organizations. A total of 168 community representatives have signed up to participate in one or more sessions of the round table series. The breakout sessions provided shared ideas, input and feedback within 10 different small groups of 6 or 7 individuals per small group, using a shared Google Document, in conversations mixed across the many organizations.

From that document, Parlay Consulting pulled key themes that resonated with the group such as: Building Equity, Virtual in Education, Returning to In-Person Environments, Maximizing Technology, and The New World - Blended Environment. These themes will be integrated into the Virtual Roundtable Discussion for September 23.

You can visit our website for a video of the report out session: <http://www.omahastem.com/roundtables>

Registration is now open for the September 23rd Roundtable discussion: [ose.unomaha.edu/register](https://ose.unomaha.edu/register)  
Don't forget to enter code: **OSERT2020**

### CELEBRATING CREATIVITY IN A COVID-19 CULTURE:

Navigating What's Next: Now, Near, and Far

June 23, 2020 | September 23, 2020 | October 20, 2020

8:30AM - 9:30AM

Sign up for one or all



PAST



PRESENT



FUTURE



SUCCESS

As we navigate the challenges and opportunities in this new culture, we draw on the knowledge of our diverse network of thought leaders and experts to understand the implications to our work, education, and future workforce. Please join us for this series of virtual Roundtable Discussions to share our experiences and lessons learned among a diverse set of stakeholders.

Facilitated by:

Beth Morrisette, MPA, MSW, CEO of Parlay Consulting Firm, will facilitate our Roundtable Series. She specializes in building organizational capacity through board governance, strategic planning and implementation coaching. Beth is a skilled facilitator and we look forward to working with her on this series.

# Resources & Opportunities

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## Need more STEM?

Visit our NEW searchable database for STEM programs [here!](#)

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## STEM Program Certificates

[College of Information Science & Technology](#)

[Geography - Master's Degree & Certificate Options](#)

[College of Education, Health, and Human Sciences](#)

-Instructional Technology

[COEHHS Specialty Graduate Programs](#)

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## Research and Outreach Programs

Interested in participating in one of our research and outreach programs? Be sure to apply now, orientation will begin in August.

[NE STEM application](#)

[NoyceSCIENCE application](#)

[S-STEM application](#)

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## Kids' & Parents' Corner

Check out our resources for youth, including [videos](#), [lesson plans](#), and [webinars!](#)



## Consider a Gift or Volunteer!

Interested in donating? Please consider contributions to our UNO STEM TRAIL Center Excellence Fund #01149830 at the Nebraska University Foundation:

### Checks can be mailed to:

University of Nebraska Foundation

PO Box 3465

Omaha, NE 68103-0465

reference: 01149830 - UNO STEM TRAIL Center Excellence Fund

**Or gifts can be remitted electronically.**

Let us know how we can support you:

[unostemtrailcenter@unomaha.edu](mailto:unostemtrailcenter@unomaha.edu)

**Have an idea for future programming? Interested in contributing your time or talents to the STC? Contact us!**

STEM TRAIL Center [unostemtrailcenter@unomaha.edu](mailto:unostemtrailcenter@unomaha.edu)

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UNIVERSITY OF  
**Nebraska**  
Omaha