



University of Oklahoma – Tulsa Research Forum 2022

Call for Abstracts

Sponsored by:

Office for Research Development and Scholarly Activity
Office of the OU-Tulsa Assistant Vice President for Research
OU-Tulsa Schusterman Library

ORDSA





Dear colleagues,

It is my pleasure to share with you the abstract submission information for OU-Tulsa's 2022 Research Forum. The OU-Tulsa Research Forum is an annual event to showcase student, resident, and staff research.

We plan to host Research Forum in person this year, but due to the evolving nature of the pandemic, we may return to a virtual setting and will notify participants as soon as possible. Regardless of format, scholarly work will again be more widely disseminated than ever before.

All Research Forum posters will be uploaded to the Open Science Framework. This platform allows other researchers around the world to view the posters. First place winners in each category will present their work orally with additional time for Q&A at an awards ceremony on Friday, April 15, 2022.

We would like to express our thanks to the OU-Tulsa Schusterman Library and the Office for Research Development and Scholarly Activity for their dedicated commitment in planning and organizing the OU-Tulsa 2022 Research Forum.

On behalf of the OU-Tulsa 2022 Research Forum Program Committee, we look forward to receiving your abstract submission. Thank you in advance for your commitment to sharing your research in the Tulsa community.

Sincerely,

A handwritten signature in black ink that reads "Kent Teague".

Kent Teague, PhD
OU-Tulsa 2022 Research Forum Chair
OU-Tulsa Assistant Vice President for Research

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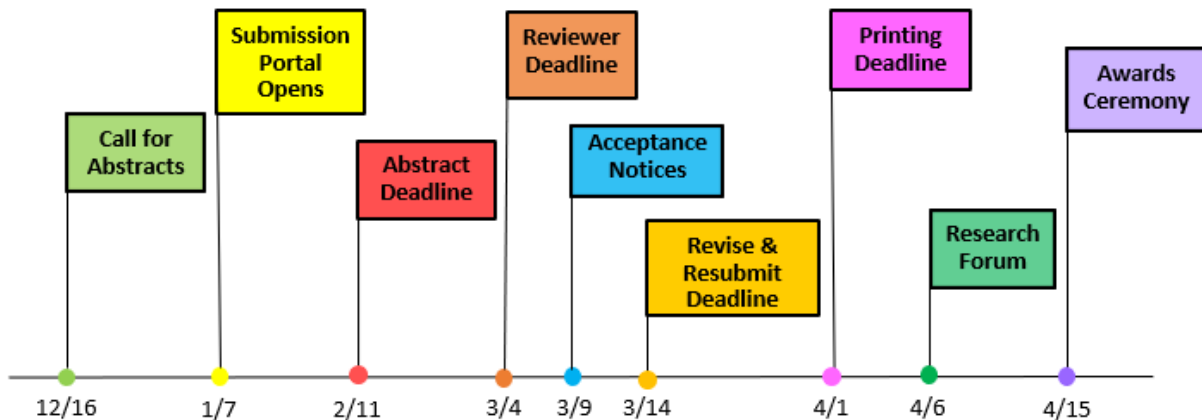
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About the Conference ([see Appendix](#))

This year's conference is planned to be an in-person event. See [Appendix](#) for additional information in the case of a virtual event. All accepted posters will be displayed in the Learning Center's Founders Hall. Posters will also be available for viewing on Open Science Framework. First place winners from each category will be invited to give an oral presentation during an awards ceremony on Friday, April 15, 2022, to showcase their work.

Important Dates and Deadlines ([see Appendix](#))

Abstract Submission Portal Opens	January 7, 2022
Abstract Submission Deadline	February 11, 2022
Acceptance Notifications	March 9, 2022
Revise & Resubmit Deadline	March 14, 2022
Poster Printing Deadline	April 1, 2022
Research Forum	April 6, 2022
Winning Poster Presentations	April 15, 2022



Topical Categories

Biomedical – This category focuses on medical research with a biological or clinical focus. Examples would include research focusing on specific diseases, biometrics, medications, and clinical treatments.

Education – Posters in the education category will relate to pedagogy, student experiences, medical trainee experiences, educator perspectives, and interventions that occur in an education setting.

Engineering and Applied Research – Engineering and applied research posters will focus on science and/or math used for innovation. This includes research related to new technology, devices, inventions, equipment evaluations, machine learning, and solving technical problems.

Quality Improvement – Posters in this category will be specifically focused on improving patient care and/or workflows, usually in a clinic or hospital at which one or more of the authors serve. Examples would include things such as increasing follow up visits in patients at an internal medicine clinic, improving rates of preventative screenings for children with diabetes, or creating a decision tree to distribute medication at a psychiatric hospital.

Social/Behavioral and Community Service – Projects in this area will focus on health disparities, projects that enrich the community, psychological and social work projects, behavioral interventions, wellbeing, attitudes, and cultural enrichment.

Additional Award Categories

Diversity, Equity, and Inclusion – Diversity celebrates the strengths of different identities and intersecting lived experiences. Equity recognizes that some people have more privileges than others, which can result in social inequality. Inclusion is the practice of actively welcoming people from many different identities into a space where all perspectives are valued. The winning poster in this category will include a research question related to addressing social inequality.

Convergence Research – Convergence research uses a transdisciplinary approach where researchers from different fields develop a common applied framework for approaching a complex and compelling problem. Authors eligible for this award will come from multiple departments working together on a problem that spans disciplines.

Information on Submission

The OU-Tulsa Research Forum is an annual event to showcase student, resident, and staff research. Current OU-Tulsa fellows, residents, students, or staff and TU students are welcome to submit abstracts to the forum. **Note: For 2022, this event is planned to be in person. See [Appendix](#) for additional information in the case of a virtual event.**

Fellows, residents, students, or staff may submit an abstract through the Research Forum submission website (see link below).

All abstracts should be reviewed by your faculty mentor and/or research facilitator before you submit. Don't know who that is? Check with your department chair or advisor.

Abstracts must be submitted to ExOrdo (<https://rf2022.exordo.com>) by **Friday, February 11, 2022**. The deadline is final. Late or incomplete submissions will not be accepted. The committee may return an abstract for revisions and resubmission.

Peer reviewers in a related field will review the submissions to determine if they meet best practices. You will be notified if the abstract has been accepted or rejected by **Wednesday, March 9, 2022**. This gives you several weeks to prepare a poster and upload your files for presentation. Review the "Important Dates and Deadlines" section and if you think you might need more than 3½ weeks to prepare your poster, begin working on it as soon as you submit your abstract.

First, second, and third place winners will be announced for each of these categories. **The categories for DEI and Convergence Research are not categories for submission. Instead, all posters are considered for these awards.** First place winners in each category as well as the winners in the Diversity, Equity, and Inclusion and Convergence Research categories will be invited to give a three-minute presentation of their poster during an awards ceremony on **Friday, April 15, 2022**.

Guide for Authors

Reviewers will consider the following questions as they read through the abstract submissions:

Confidentiality: Did the author ensure confidential information is not revealed?

Originality: Is the abstract novel and interesting?

Will the information add to current body of knowledge?

Is the research question important?

Are the results useful to one or more academic constituents?

Structure: Are the key elements included (background, methods, etc.)?

Does the content of the abstract reflect the title?

Does the introduction/background provide relevant information?

Are the methods adequately described?

Is the method an appropriate one to collect the data needed to address the objectives?

Are the design and sampling plan, or units of data collected appropriate for the project?

Is the analysis plan cogent and accurate?

Are the results explained clearly and logically?

Are the author's conclusions supported by the results?

Language: Is the abstract well written with minimal grammatical errors?

Abstracts that indicate "the work is in progress" or "the results will be discussed" are unacceptable.

*References are not necessary to include with abstract submissions.

Abstract Submission Information

Accessing the Abstract Submission Site

You will submit your abstract at <https://rf2022.exordo.com/> by **Friday, February 11, 2022**. This deadline is final. Late or incomplete submissions will not be accepted.

Abstract Format Requirements

Abstracts are limited to 400 words.

Titles must be in title case and limited to 12 words.

Abstracts must be provided in a structured format: Introduction, Methods, Results, and Discussion.

Case Reports are not acceptable for the OU-Tulsa Research Forum.

All authors' names, affiliations, and emails must be entered into the submission portal. Please make sure you have this information prior to abstract submission.

You will be asked to provide your IRB number if the study is human subject research. Please have that information prior to abstract submission.

If chosen as one of the Research Forum category winners, the presenting author must agree to be available on **Friday, April 15, 2022, from 12:00-1:00pm** during the awards ceremony to give an oral presentation.

Authorship

"Primary Author" is defined as the leading author of the abstract and is responsible for providing the required information for all authors. Please list all authors, including your faculty mentor, on your abstract.

A primary author may submit only one abstract; however, they may be a co-author on other abstracts. It is the responsibility of the primary author to ensure that all co-authors are aware of the contents of the abstract and the submission is their own work in collaboration with the other authors listed. Incomplete author information may cause the abstract to be rejected.

Affiliation Examples

University of Oklahoma – Tulsa, College of Arts & Sciences, Department of Social Work

University of Oklahoma, OU-TU School of Community Medicine, Department of Family & Community Medicine

Poster Submission Information

Poster Uploads

Once your abstract has been accepted, presenters will need to follow the below instructions.

Presenters are encouraged to use a standardized poster template. You can access the template [here](#).

Once materials are complete, presenters will need to upload their poster to the OSF Meeting site. To upload your poster, send an email to RF2022-poster@osf.io from the email account you would like used with OSF. The format of the email should be as follows:

- Subject: Poster title
- Message body: Poster abstract
- Attachment: Your presentation file

OSF will follow up by sending a permanent identifier that others can use to cite your work. You will also be able to login to OSF and make changes to your submission if necessary. Learn more with this [Help Guide from OSF Meetings](#). See [Appendix](#) for additional information in the case of a virtual event.

Day-Of Details and Judging Information

Research Forum will take place **Wednesday, April 6, 2022, from 2:00-4:00pm**. You may hang your poster in Founders Hall that morning from **9:00-11:00am**. If you are not available during that time, find someone to hang your poster for you. Velcro used to hang the posters will be provided.

One or more of the study authors are required to be present during Research Forum and should be prepared to make a short presentation to the judges (no more than three to five minutes). Judges may not be in your field of study so the presentation should be for a general audience.

Authors are expected to be there for the full two hours. Judging will take place throughout the event, so it is important to be there, or your poster will not be judged.

Research Forum Winning Presentation Details

First place winners from each category and top special category winners will be invited to give an oral presentation during an awards ceremony on **Friday, April 15, 2022**, to display their work.

Withdrawals

If you need to withdraw your submission for any reason, please email ORDSA@ouhsc.edu with your name, poster title, and submission number.

Diversity, Equity, and Inclusion Guidelines for Research Forum Posters

ORDSA is committed to making research as inclusive as possible regarding diversity, equity, and inclusion. The DEI checklist guidelines below were developed by our campus's Inclusivity in Research committee in conjunction with our Office for Diversity, Equity, and Inclusion. This [document](#) describes the research informing these guidelines.

DEI guidelines are evolving and change over time. Please contact ordsa@ouhsc.edu with any questions about these best practices. If you think these guidelines should be changed, ORDSA is glad to discuss your thoughts with you.

DEI checklist

- ❑ **Please use the following racial terms:** “Alaskan Native” (if collected), “Asian”, “Black or African American” (do not hyphenate African American), “Hispanic or Latinx”, “Indigenous People” (or specific tribe if collected), “Pacific Islander or Hawaiian Native”, and “White”.
 - Consider using the entire quotation above for each race, i.e., say “Black or African American”, not just “Black” or not just “African American”.
 - Consider using person-first language to describe races, i.e., “Asian people”, “Black or African American people”. This is optional.
- ❑ **Describe Hispanic/Latinx as a race instead of ethnicity** whenever possible to acknowledge the minority stress this group experiences. If it is not possible, include the following: “Ethnicity was measured separately from race in this study” before listing demographics related to ethnicity.
- ❑ **For people who have more than one race, report each racial identity.** For example, if someone identifies as Asian and white, they should be counted for both races. This will make the number of people of each race higher than the number of people in the study. That is normal and expected. No combined subcategories such as “White-Asian” or similar are necessary. If the term multi-racial was the only one collected, it is okay to report multiracial as a race.
- ❑ **Alphabetize races** when reporting race.
- ❑ **Avoid combining all people of color in statistical analyses.** If you do have a strong reason to do this, write a sentence like: “Although all people of color were combined in these analyses for statistical power reasons, we acknowledge limitations of this approach as different racial minority people have different lived experiences.”
- ❑ If your results talk about racial disparities, you should write a sentence like the following: “**Racial disparities observed in these results are part of a larger social context** related to power, privilege differentials, and structural determinates of health.”
- ❑ **Gender should include “male”, “female”, and “other”** or “men”, “women”, and “other”. If you did not collect genders besides male and female, list that the *n* for “other” is 0 (i.e., 50% male, 50% female, 0% other).

- ❑ **Appropriate terms for what used to be called homelessness** are “people experiencing homelessness”, “unhoused people”, or “houseless people”.
- ❑ Instead of saying “substance abuse”; say “**substance use.**”
Instead of “addicts”; say “**people experiencing addiction challenges**”.
- ❑ Instead of saying “smokers”, say “people who smoke”.
- ❑ When discussing **people with larger bodies** (which is an appropriate optional term to use), please write a sentence to acknowledge the role social determinants of health play in body size. One way to do this would be at the end of a paragraph describing body size results. Example: “It is important to note that social determinants of health play a role in body size.”
- ❑ Do not say “she or he/him or her”. Instead, **use the term they**. This makes sure nonbinary people are not excluded. “They” is now accepted as a singular or plural term, so this is grammatically correct.
- ❑ Include **transgender people** in the counts of the gender they have transitioned to. Instead of saying “transgender men”, just add this group to the total count of men. If you would like to describe transgender people in your sample, you can say something like the following: “50 men participated in this study. 10 of those men were transgender”.
- ❑ When **sexual orientation** is collected, include it as a demographic variable. Appropriate terms (which should be alphabetized) are “bisexual people”, “gay people”, “lesbian people”, and “heterosexual people”. Other terms used might include “sexual minority people”, “sexual orientation minority people”, “asexual people”, and “pansexual people.”
- ❑ **Make the poster [readable by a screen reader](#)** for visually impaired people.
- ❑ Use [colorblind friendly graphs](#).

Sample Abstract/Resources

Title

The Preservice Teacher's Journey to Knowledge: Associations with Levels of Education

Authors

1. Mrs. Amber Beisly - University of Oklahoma-Tulsa
2. Dr. Vickie Lake - University of Oklahoma-Tulsa

Abstract

Introduction: Historically, knowledge of child development has been one of the main emphases of early childhood teacher education programs, as it is theorized that teachers need strong content knowledge if they are to teach well. Knowledge of the age-related characteristics and behaviors of young children helps teachers understand children's capabilities in order to implement behavioral strategies and practices that will optimize learning and development. Teachers typically gain knowledge as they move through the degree ladder, from Child Development Associate (CDA) to Associates to Bachelor's. The purpose of this study was to examine 1) preservice teachers' knowledge of child development over time, more specifically across four areas of child development – cognitive, social, emotional, and physical; and 2) if currently working in childcare was associated with knowledge of child development.

Methods: The participants include students (n=60) from the community college, students (n=30) from the community college who had matriculated to the university, university students (n=6), and university graduates (n=2). The sample consisted of 98 students, 96 were female; 73% were white. Participants completed a demographic questionnaire and the Knowledge of Child Development Inventory, which consists of 56 multiple-choice items of knowledge relating to child development from birth to age 3.

Results: A repeated measures analysis of variance was conducted that examined the effect education level on knowledge of child development. There was a statistically significant main effect for education level on child development, $F(2,82)=5.94$, $p < .01$. There were also statistically significant differences on domain scores, e.g., cognitive development, $F(2,82)=4.74$, $p=.01$ and emotional development, $F(2,83)=4.96$, $p<.01$. Post hoc tests revealed participants with Bachelor's degree scored significantly higher than participants with a CDA or an Associates. These results indicate that as students move up the education ladder, they gain more knowledge of child development. This may suggest the Bachelor's program focuses on theoretical knowledge, whereas associates programs focus on practical knowledge.

Discussion: Results also demonstrated that students who were not currently working had the highest overall mean compared to those working in an early childhood field or an unrelated field. Initially, this finding took us by surprise. However, a common factor among the majority of these students was that they were not working to stay home with young children. In essence, they were working in an early childhood setting.

2021 Research Forum Winners

Congratulations to all the 2021 Research Forum winners!

BIOMEDICAL

1st Place - Ms. Kathryn Martin – The University of Oklahoma, OU-TU School of Community Medicine

IMPACT OF PHENOTYPE AND GENOTYPE ON RESPONSE TO TRIPLE COMBINATION CFTR MODULATORS

2nd Place - Ms. Kelsey Baab – The University of Oklahoma, OU-TU School of Community Medicine

ANTIVENOM USE OR OBSERVATION FOR PATIENTS WITH COPPERHEAD SNAKE ENVENOMATION?

3rd Place - Dr. Monica Paliwal – The University of Oklahoma, Gallogly College of Engineering

FATTY INFILTRATION IN CERVICAL FLEXORS AND EXTENSORS IN DEGENERATIVE CERVICAL MYELOPATHY

EDUCATION

1st Place - Ms. Monica Ha – The University of Oklahoma, OU-TU School of Community Medicine

USE OF METAPHORS AS AN EXPLANATION TOOL IN ACES SIMULATION TRAINING

2nd Place – Ms. Angela Coatney – The University of Oklahoma, Fran and Earl Ziegler College of Nursing

FORMATIVE ASSESSMENT IN ONLINE NURSING EDUCATION

3rd Place - Dr. Dru Albin – The University of Oklahoma, OU-TU School of Community Medicine, Department of Internal Medicine

“DO I HAVE TO REPAY THOSE?” FINANCIAL LITERACY AND READINESS OF THE INTERNAL MEDICINE RESIDENTS AND MEDICAL STUDENTS

SOCIAL/BEHAVIORAL

1st Place - Ms. Amy Hendrix – The University of Oklahoma, OU-TU School of Community Medicine, Department of Pediatrics

DOES A COMPASSION FATIGUE CURRICULUM IMPROVE PROFESSIONAL QUALITY OF LIFE AND HOPE?

2nd Place - Ms. Tessa Austin – The University of Oklahoma, OU-TU School of Community Medicine

CLUSTER ANALYSIS AS A MORE PRECISE MEASURE OF BURNOUT
AMONG HEALTHCARE PROVIDERS

3rd Place - Ms. Lacey Caywood – The University of Oklahoma, Hudson College of Public Health, Health Promotion Sciences

FINDINGS FROM A NUTRITION NEEDS ASSESSMENT OF INDIVIDUALS
AFFECTED BY HOMELESSNESS

QUALITY IMPROVEMENT

1st Place - Mr. Andrew Baker – The University of Oklahoma, OU-TU School of Community Medicine

DO NO HARM: PAIN AND OPIOID MANAGEMENT IN OKLAHOMA PRIMARY
CARE

2nd Place - Dr. Jessica Heard – The University of Oklahoma, OU-TU School of Community Medicine, Department of Surgery

DISCHARGE DISPOSITION AFTER MAJOR LOWER EXTREMITY
AMPUTATION: UNDERSTANDING THE ROLE OF FRAILITY

3rd Place - Dr. Adam Larsen – The University of Oklahoma, OU-TU School of Community Medicine, Department of Pediatrics

ADDRESSING AND IMPROVING ADHERENCE TO VACCINATION
RECOMMENDATIONS FOR CHILDREN WITH HIV INFECTION

SPECIAL CATEGORIES

Diversity, Equity, and Inclusion - Lacey Caywood – The University of Oklahoma, Hudson College of Public Health, Health Promotion Sciences

FINDINGS FROM A NUTRITION NEEDS ASSESSMENT OF INDIVIDUALS
AFFECTED BY HOMELESSNESS

Convergence Research - Monica Ha – The University of Oklahoma, OU-TU School of Community Medicine

USE OF METAPHORS AS AN EXPLANATION TOOL IN ACES SIMULATION
TRAINING

Abstract Submission Checklist:

Please ensure you have checked off all the listed steps prior to submitting your abstract.

- Abstract title is in title case and is no longer than 12 words
- Abstract is 400 words or less (not including title or authors)
- All contributing authors are listed on the abstract
- Faculty mentor is listed on the abstract
- All author emails are collected and ready to be entered into the submission portal
- All author affiliations are collected and ready to be entered into the submission portal
- Faculty mentor has reviewed and approved abstract
- Research facilitator/administrator has reviewed and approved abstract (if applicable)
- If chosen as a winner, presenting author is available to present on Friday, April 15, 2022, from 12-1pm

Appendix

Given the ongoing and unpredictable nature of the pandemic, the Office for Research Development and Scholarly Activity has developed contingency plans for hosting the OU-Tulsa Research Forum in a virtual format should the need to do so arise.

About the Conference

Should this year's conference be held virtually, all accepted posters will be uploaded to the presentation platform and available for viewing for the entire week. First place winners from each category will be invited to give an oral presentation, via Zoom, during an awards ceremony on Friday, April 15, 2022, to showcase their work.

Important Dates and Deadlines

Should the Office for Research Development and Scholarly Activity decide to host Research Forum in a virtual setting, all individuals who have already submitted abstracts to the conference will be notified and further instructions will be provided.

The schedule of events and deadlines will subsequently be adjusted for the conference's virtual format. Please see below for tentative dates and deadlines:

Abstract Submission Portal Opens	January 7, 2022
Abstract Submission Deadline	February 11, 2022
Acceptance Notifications	March 9, 2022
Revise & Resubmit Deadline	March 14, 2022
Poster & Narration Upload Deadline	March 25, 2022
Poster Judging	March 28 – April 1, 2022
Research Forum Posters Online	April 4 – April 8, 2022
Winning Poster Presentations	April 15, 2022

Poster Submission Information

In the case of a virtual event, in addition to creating a static, one-slide PowerPoint or PDF poster, presenters will also need to create a three-minute audio narration to accompany their poster. This will allow judges and others attending Research Forum to access the oral description of your poster on demand. This can be done by [adding narration to a PowerPoint slide](#) or using a screen capture program, such as [Screencast-o-matic](#), to add audio to a PDF. If assistance is needed with this process, set up a [presentation consult with the Schusterman Library](#).

Should the Office for Research Development and Scholarly Activity decide to transition the 2022 Research Forum to a virtual format, instructions for the above process and any applicable further information will be provided.

Judging Information

In the case of a virtual event, poster judging will occur the week immediately following the OSF upload deadline (**March 25, 2022**) and before the Research Forum poster viewing. Due to this schedule, no late poster uploads will be accepted. If your poster is not uploaded by the deadline, it will not be judged.

If this conference is virtual, no physical posters will need to be displayed.