



University of Oklahoma – Tulsa Research Forum 2020

Call for Abstracts

Sponsored by:

Office for Research Development and Scholarly Activity
OU-Tulsa Student Affairs
Office of the OU-Tulsa Assistant Vice President for Research





Dear colleagues,

It is my pleasure to share with you the abstract submission information for OU-Tulsa's 2020 Research Forum. The OU-Tulsa Research Forum is an annual event to showcase student, resident, and staff research.

I strongly encourage members of the research community to submit abstracts of their work for consideration at this conference. Further details on how to submit abstracts are included on the following pages.

We would like to express our thanks to OU-Tulsa Student Affairs for their generous support, and the Office for Research Development and Scholarly Activity for their dedicated commitment in planning and organizing the OU-Tulsa 2020 Research Forum.

On behalf of the OU-Tulsa 2020 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". The signature is stylized and includes a horizontal line underneath the name.

Kent Teague, PhD
OU-Tulsa 2020 Research Forum Chair

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About the Conference

Wednesday, April 8, 2020

The University of Oklahoma – Tulsa Schusterman Center

Founders Hall

2:00-4:00pm

Important Dates and Deadlines

Call for Abstracts Opens	December 18, 2019	
Abstract Submission Deadline	February 14, 2020	
Acceptance Notifications	March 11, 2020	
Revise & Resubmit Deadline	March 16, 2020	
Research Forum	April 8, 2020	2:00-4:00pm

Topical Categories for Abstracts

Biomedical – Basic and clinical science in the broad field of biomedicine.

Education – Development or outcomes of novel curricula, innovative educational methods or broad education topics.

Engineering and Applied Research – Any area of engineering or bioscience that is applied to a real-life setting.

Quality Improvement – Methodology which improves care, processes or outcomes in a healthcare setting.

Social/Behavioral and Community Service – Social and behavioral sciences and projects with community organizations.

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.

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.

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 Monday, March 11, 2020. This gives you several weeks to prepare a poster and get it printed.

Abstracts must be submitted at <https://rf2020.exordo.com> by Friday, February 14, 2020. The deadline is final. Late or incomplete submissions will not be accepted. The committee may return an abstract for revisions and resubmission.

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, grammatically correct?

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

General Information

Accessing the Abstract Submission Site

You will submit your abstract at <https://rf2020.exordo.com> by Friday, February 14, 2020. This deadline is final. Late or incomplete submissions will not be accepted.

Poster Printing

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

Once the poster is designed and reviewed by your mentor and/or research facilitator, it is time to print. The 2020 library poster printing deadline is Wednesday, April 1, 2020. Some departments help with the cost of printing. Check with your mentor for details.

Reminder – posters larger than four feet wide and four feet tall WILL NOT be permitted. If the department does not help with your printing costs, you can check with the Schusterman Library or visit any office or printing stores for pricing. Please note, if you have your poster printed at the Schusterman Library, **one side cannot exceed three feet** (to fit on the printer).

Day-Of Details

Research Forum will take place Wednesday, April 8, 2020 from 2:00-4:00pm. You must hang your poster in Founders Hall that morning from 9:00-11:00am. If you are not available during that time, you must 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.

Presenters are expected to be at their poster for the full two-hour presentation period. Judging will take place throughout the event, so it is important to be in front of your poster. Presenters who are not at their posters will receive a zero from the judges.

Withdrawals

If you are unable to present at Research Forum and/or need to withdraw your submission for any reason, please e-mail ORDSA@ouhsc.edu with your name, poster title, and submission number.

Abstract Submission Information

Abstract Format Requirements

Abstracts are limited to 400 words.

Titles must be in **all upper case letters 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 e-mails 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. Please have that information prior to abstract submission.

The presenting author must agree to be present during the duration of Research Forum. Please do not submit an abstract if you know you are not able to be present on Wednesday, April 8, 2020 from 2:00-4:00pm.

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 – Tulsa, School of Community Medicine, Department of Family & Community Medicine

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.

2019 Winners

Congratulations to all of the 2019 Research Forum winners!

BIOMEDICAL

1st Place Tie – Zijia Zhang, Post-Doctoral Fellow, Integrative Immunology Center, OU-TU School of Community Medicine - “Maternal Childhood Adversity and Intergenerational Transmission of Risk During Pregnancy: Preliminary Biomarker Results From Hatch Project”

1st Place Tie – Bishr Swar, Medical Student, OU-TU School of Community Medicine - “National Estimates of Recurrent Intracranial Hemorrhage: Effect of Treatment Modality”

3rd Place – Bart Ford, Doctoral Candidate, Laureate Institute for Brain Research, Department of Biological Science, University of Tulsa - “T-Cell Subsets Associated with Cytomegalovirus and Family History of Mood Disorder”

EDUCATION

1st Place – John Carradini, Medical Student, OU-TU School of Community Medicine, and MPH Candidate, Hudson College of Public Health - “Tobacco and Alcohol Use, Risk Perceptions, and Counseling Knowledge and Confidence among Medical Trainees”

2nd Place – Laura Latta, Doctoral Student, Graduate Research Assistant, Instructional Leadership and Academic Curriculum, Jeannine Rainbolt College of Education - “Parents’, Students’, and Teachers’ Perceptions of Out-of-School Time (OST) Program Outcomes”

3rd Place – Victoria Thomas, Medical Student, OU-TU School of Community Medicine, and MPH Candidate, Hudson College of Public Health - “Building a Culture of Health: Healthcare Student Perceptions in Lifestyle Medicine”

SOCIAL BEHAVIORAL

1st Place – Alizay Paracha, Medical Student, OU-TU School of Community Medicine - “Failure to Thrive as a Health Indicator of Unsafe Neighborhoods”

2nd Place – Jason Featherngill, MPA Student, Graduate Research Assistant, Department of Public Administration, College of Arts and Sciences - “Nurturing Hope and Character Strengths in Children Exposed to Domestic Violence”

3rd Place – Kathryn Martin, Medical Student, OU-TU School of Community Medicine - “Analyzing Perceived Risk of Tobacco Products among Food Pantry Clients in Oklahoma”

ENGINEERING

1st Place – DJ Lienhard, Undergraduate Student, Department of Chemical Engineering, University of Tulsa - “Development and Characterization of Promoted Catalysts Used in MDA”

2nd Place – Haneya Qureshi, Doctoral Student, Graduate Research Assistant, Department of Electrical and Computer Engineering, Gallogly College of Engineering - “Planning and Optimizing Networks of the Future: Quantification of Errors in Autonomous Coverage Estimation Using MDT”

3rd Place – Gopi Adhikari, Doctoral Candidate, Department of Physics and Engineering Physics, University of Tulsa - “Highly Luminescent Lead Depleted Cs₄PbBr₆ Crystals for White Light Emission”

CLINICAL QUALITY IMPROVEMENT

1st Place – Taylor Couch, PGY-4, Department of Pediatrics, OU-TU School of Community Medicine - “Carpe Diem Medium: Making the Most Impact in an Academic Half Day”

2nd Place – Ryan Yarnall, PGY-2, Department of Internal Medicine, OU-TU School of Community Medicine - “Improving Registration for Internal Medicine Clinic Patient Portal: A Quality Improvement Initiative”

3rd Place – Terresa Miller, PGY-2, Department of Pediatrics, OU-TU School of Community Medicine - “Reducing Unnecessary Emergency Room Visits: A Quality Improvement Initiative”

Abstract Submission Checklist:

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

- Abstract title is in all caps 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 e-mails 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)
- First author is available to present on Wednesday, April 8, 2020, from 2-4pm