

LSUHSC SCHOOL OF GRADUATE STUDIES ANNUAL RESEARCH DAY MANUAL

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LSUHSC SCHOOL OF GRADUATE STUDIES RESEARCH DAY MANUAL

GRADUATE RESEARCH DAY will be held on the first Friday of November. Specific location and logistic details for each year will be provided by email updates.

OBJECTIVES

- Opportunity for all graduate students and postdoctoral students of the Schools of Graduate Studies (SOG) and Public Health (SPH) to showcase their research
 - To other graduate students
 - To graduate faculty
 - To administration of SOG, SOM, and SPH
- Development of professional skills of graduate and postdoctoral students of SOG and SPH via
 - Poster presentations
 - 3MT slide preparation, practice, and presentation
- Opportunity for all the graduate and postdoctoral students and faculty to appreciate the scope of research being performed at LSUHSC and to create
 - Awareness of available methodologies and expertise
 - Develop research collaborations
- To enhance comradery between graduate students, postgraduate fellows and graduate faculty
- Opportunity for graduate students to participate in a 3MT competition
 - Winners may participate in state/ regional competitions

GRADUATE RESEARCH DAY – GENERAL

The format of Graduate Research Day will consist of a combination of presentation formats: poster presentations, 10 minute talks, and 3 minute thesis (3MT) talks. The actual schedule may vary from year to year. Top presenters will be recognized; the number of actual prizes awarded each year will be announced in email updates.

All students are encouraged to submit abstracts. The abstract deadline will be announced each year but generally 3 weeks prior to Research Day. On the abstract form, graduate students have the opportunity to check if they would also like to be considered for a 10 minute talk and the 3MT competition.

- All students that submit abstracts in the proper format and by the deadline will be accepted to present posters.
- All poster presenters are invited and encouraged to participate in the 3MT competition.
 - Final presenters will be selected based on their presentation of the poster.
 - There are more detailed instructions about the 3MT slide and presentation on **pages 4-5**
- Students will be selected to present 10 minute talks from the abstracts. They will be advised of selection around one week prior to Graduate Research Day (*actual date will be announced via email*). The actual number of 10 minute talks may differ each year. These students do not have to prepare posters.

The judging panel will consist of faculty and other qualified individuals from the SOM and SPH. Every presentation will be judged by at least 3 judges according to scoring rubrics. Judges are encouraged to provide feedback. Judging of 3MT competition may be performed by chosen individuals outside of LSUHSC.

RESEARCH DAY ABSTRACT SUBMISSION/ EXAMPLE

Use the Abstract Submission Form to submit your abstract. The space for each section is not restricted; more space will become available as needed.

Abstract Title

- Title Limit: Title must be less than 200 characters long
- Bold and center title
- Authors: at least two authors including presenting author (student), research mentor, co-authors
- Bold student's name that is the presenter
- Italicize mentor
- Provide department affiliations for all authors
- Don't include emails/ phone numbers

Abstract Format:

- Abstract Limit – no more than 300 words
- One inch margins on both sides
- Times New Roman 12 point font
- Single space within paragraphs, double space between paragraphs

Abstract Content:

- Objective of the research
- Hypothesis/ major question
- Methodology or approaches
- Summary of relevant results – even if preliminary

3 Minute Thesis Talk

- Please check box that you would like to be considered for the 3MT competitions
- You will find information about 3MT on **pages 4-5**.
- 3MT slides from all competitors will be due several days before Research Day.

10 Minute Talk Applicants

- Please check box that says you would like to be considered for a 10 minute talk
- Please provide a short statement or bullet points of work you personally contributed to the project
- The abstracts will be judged by a committee including 2 graduate students.

An example of an abstract submission form is on page 6

POSTER PRESENTATION: The students will be assigned specific time slots (usually around two hours) when they should be by their posters. At least 3 judges will visit each poster. An emphasis will be placed on the presentation by the student and their ability to clearly communicate their work. The poster will be judged on the following criteria.

- Poster Layout
 - Organization
 - Design
- Poster Content
 - Introduction
 - Approach/Methods
 - Results
 - Conclusions
- Student – presentation skills.

An example of the judging rubric and with recommendations for scoring (which is provided to judges) is provided on **pages 7-8**. The posters receiving the highest number of points will be chosen for 3MT talks. They will normally be notified at lunch time.

10 MINUTE TALKS: The objective of the 10 minute talk is to honor students that have completed a significant body of work. This will be evidenced by their abstract and very succinct but informational answers to additional questions regarding their contribution to the research (on abstract form).

The students will be judged on:

CONTENT

- Research question clearly stated
- Sufficient background to rationalize question and relay significance
- Study design clear and concise
- Key results clearly presented with outcomes and conclusions

PRESENTATION

- The project is understandable
- Clear and logical sequence of reasoning
- Smooth transition between presentation sections
- Slides enhances the presentation; legible and concise; not wordy; effective use of figures/tables

COMMUNICATION

- Conveys enthusiasm for research
- Sufficient eye contact; captures and maintains audience's attention
- Easy to understand, easy to hear
- Effective use of time
- Responds well to questions, restates and summarizes when needed.

OVERALL:

- Did the student relay the significance and an in depth understanding of their research?
- Was the student comfortable and in control of subject matter?



3 MINUTE THESIS (3MT) is a professional development exercise to celebrate graduate research. The purpose is for students to effectively explain their research in 3 minutes to a non-specialist audience using only one slide. The student will develop skills that can be applied

throughout their career including networking at conferences, job interviews, and for grant applications. The concept of the 3MT competition began at the University of Queensland in 2008 and has now been adopted by more than 300 universities in 19 countries. Louisiana State University Health Sciences Center is listed as a participating University (<http://threeminutethesis.org/international>).

The 3MT presentation requires preparation separate from the poster and should begin significantly earlier in the year, now, in fact. Appropriate preparation and presentation:

- The goal is distill down the complexity of the project for a non-specialist
 - Note this is NOT the same as dummy down
- The student acquires the skill to easily explain significance of research. This will
 - Improve their understanding of their research project
 - Provide confidence in themselves as accomplished researchers
 - Improve their ability to spark other people's interest
 - Colleagues/ Networking
 - Job interviews
 - Grant applications
 - Sponsorship
- Winners can participate in state/ regional/ national/ international competitions
 - Monetary awards
- Examples of winning presentations:
 - <http://threeminutethesis.org/3mt-showcase>

The 3MT competition will also benefit the institution

- Profile of research in the institution
- Help build school community
- Raise profile to public and potential sponsorship



3MT RULES adopted from University of Queensland 3MT

- A single static PowerPoint slide is permitted. No slide transitions, animations or 'movement' of any description are allowed. The slide is to be presented from the beginning of the oration.
- No additional electronic media (e.g. sound and video files) are permitted.
- No additional props (e.g. costumes, musical instruments, laboratory equipment) are permitted.
- Presentations are limited to 3 minutes maximum and competitors exceeding 3 minutes are disqualified.
- Presentations are to be spoken word (e.g. no poems, raps or songs).
- Presentations are to commence from the stage.
- Presentations are considered to have commenced when a presenter starts their presentation through either movement or speech.
- The decision of the adjudicating panel is final.



3MT JUDGING CRITERIA

Each criterion is equally weighted

COMPREHENSION and CONTENT

- Did the presentation provide an understanding of the background to the research question being addressed and its significance?
- Did the presentation clearly describe the key results of the research including conclusions and outcomes?
- Did the presentation follow a clear and logical sequence?
- Was the thesis topic, key results and research significance and outcomes communicated in language appropriate to a non-specialist audience?
- Did the speaker avoid scientific jargon, explain terminology and provide adequate background information to illustrate points?
- Did the presenter spend adequate time on each element of their presentation – or did they elaborate for too long on one aspect or was the presentation rushed?

ENGAGEMENT and COMMUNICATION

- Did the oration make the audience want to know more?
- Was the presenter careful not to trivialize or generalize their research?
- Did the presenter convey enthusiasm for their research?
- Did the presenter capture and maintain their audience's attention?
- Did the speaker have sufficient stage presence, eye contact and vocal range; maintain a steady pace, and have a confident stance?
- Did the PowerPoint slide enhance the presentation – was it clear, legible, and concise?

EXAMPLE OF ABSTRACT SUBMISSION FORM

ABSTRACT SUBMISSION FORM

Please complete form by selecting instructional text and typing over (or copy and paste over).

If you have questions/problems please contact:

Email completed abstract form to BOTH

Click here and insert presenter's name

Do you want to be considered for a 10 minute talk? Yes No

Do you want to be considered for a 3MT presentation? Yes No

Click here and type Abstract Title: 200 character limit, spaces not included

Click here and enter authors and departmental affiliations. Bold presenter's name and italicize mentor(s)' name(s)

Click here and insert body of Abstract: 300 word limit

Click here and briefly summarize your (student presenter) contribution to the work. **ONLY FILL OUT IF YOU WANT TO BE CONSIDERED FOR 10 min talk**

JUDGING RUBRIC WITH RECOMMENDATIONS FOR SCORING

Criteria	8-10 Excellent	5- 7 Good	3-4 Fair	1-2 Poor	Comments
POSTER LAYOUT Organization	Clear and logical flow of sections. <ul style="list-style-type: none"> • Reader can easily follow line of reasoning. • Major points stand out. 	Poster is generally clear. <ul style="list-style-type: none"> • A few minor points may be confusing. 	Organization not well thought out. <ul style="list-style-type: none"> • Reader can follow poster with effort. 	Poster is very confused and unclear. <ul style="list-style-type: none"> • Readers cannot follow it. 	<input type="checkbox"/>
Design	Excellent and appropriate design <ul style="list-style-type: none"> • Appropriate use of font and color • Graphics and figures clearly and logically presented and appropriately placed 	Design generally appropriate. <ul style="list-style-type: none"> • May have some trouble in reading or understanding a figure. • (Font too small, poor color choice) 	Design is difficult to master. <ul style="list-style-type: none"> • Generally fonts are inappropriate or • Color scheme is inappropriate 	Design is consistently inappropriate. <ul style="list-style-type: none"> • Typographical errors 	<input type="checkbox"/>
Poster Content Introduction	Significance of work is clearly stated <ul style="list-style-type: none"> • Sufficient information to understand purpose of study • Sufficient to explain experimental approach • Clearly stated objective and/or testable hypothesis • Poster sells 	Significance is stated but not sufficiently rationalized <ul style="list-style-type: none"> • Lacks some introduction material to motivate rational for study or experimentation • Objective or hypothesis present but not clearly stated 	Significance not sufficiently stated <ul style="list-style-type: none"> • Work not put into 'big picture' • Approach explained but hypothesis or objective not stated • Approach is rational and acceptable but doesn't address stated hypothesis 	Significance not stated <ul style="list-style-type: none"> • General approach not stated • 	<input type="checkbox"/>
Approach/ Methods	Sufficient methodology detail so approach can be judged and correct methodology to address hypothesis/questions asked <ul style="list-style-type: none"> • Methodology is explained so approach is understandable but not overdone • Good use of flowcharts • Chosen methodology is rational 	Good approach but some minor points may be missing <ul style="list-style-type: none"> • Methodology section could benefit by diagram • Too much methodology detail – distracting • Best experimental approach may not have been chosen 	Some components of approach are minimal or missing. <ul style="list-style-type: none"> • Methodology missing, incorrectly or confusedly presented • Methodology does not address questions 	Approach is absent or reader is not able to follow <ul style="list-style-type: none"> • 	<input type="checkbox"/>
Results	Results clearly stated <ul style="list-style-type: none"> • Purpose of each experiment clearly stated • Figures/tables convey intended information 	Results clearly stated but may be some minor errors, confusion. <ul style="list-style-type: none"> • Experimental question not stated 	Some components of results are missing <ul style="list-style-type: none"> • Lack of figures/ tables; all text • Inappropriate presentation 	Insufficient presentation of results <ul style="list-style-type: none"> • Incorrect interpretation of 	

JUDGING RUBRIC WITH RECOMMENDATIONS FOR SCORING

	<ul style="list-style-type: none"> Results appear sound based upon the data collected Results address hypothesis 	<ul style="list-style-type: none"> Insufficient detail/information in figures/tables Experiments good but not address question Presentation of data could be improved 	<p>of data</p> <ul style="list-style-type: none"> Insufficient statement of rationale No statistics when needed 	<p>data</p> <ul style="list-style-type: none"> No statistics when needed No rationale for experiments stated 	<input type="checkbox"/>
Conclusions	<p>Conclusions address the research question/ hypothesis.</p> <ul style="list-style-type: none"> Supported by results and literature background Presented logically Understandable to those outside the field Overall take-home message presented Future directions presented 	<p>Conclusions generally good but may lack some minor points</p> <ul style="list-style-type: none"> May not include all points in box on left 	<p>Conclusions not entirely appropriate</p> <ul style="list-style-type: none"> Do not accurately reflect results Difficult to follow, too complex No overall message 	<p>Conclusions insufficient; not present</p> <ul style="list-style-type: none"> Does not reflect study objective/ results 	<input type="checkbox"/>
Student	<p>Clear presentation with enthusiasm for research</p> <ul style="list-style-type: none"> Kept within time Effective presentation – eye contact Clear, concise presentation that enhances understanding of the poster Questions answered and evidence of understanding of work and methodology Easy to understand 	<p>Good presentation with some minor flaws</p> <ul style="list-style-type: none"> Slightly overtime Overall excellent but does not enunciate or speak clearly throughout whole presentation Not include all points on left 	<p>Presentation acceptable but not comfortable with audience/ material</p> <ul style="list-style-type: none"> Minimal eye contact Does not present concisely within time limit – attempts to go through every point on poster – doesn't hit major points Reads poster Responds poorly to questions. Difficult to understand 	<p>Poor presentation</p> <ul style="list-style-type: none"> No eye contact Reads poster Not clear evidence of understanding Cannot respond to questions 	<input type="checkbox"/>

Do you think this student should be selected to give a 3MT talk? YES

- Did the student present a good story? Does he sell it? Does he clearly present? Can he be succinct?