



**Oklahoma City, OK**

June 16-19, 2024

**CALL FOR ABSTRACTS**

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## OVERVIEW

The American Meat Science Association (AMSA) invites the submission of original research and abstracts on any aspect of the meat science discipline for presentation at AMSA's 2024 Reciprocal Meat Conference (RMC) in Oklahoma City, OK.

## 2024 PROGRAM CATEGORIES

In 2024, the programming will focus on the following general areas within the meat science discipline. Abstract submissions should fit into one or more of these categories.

- Animal Welfare
- Consumer Topics
- Environment, Production Systems
- Meat and Poultry Quality and Composition - Measurement and Prediction
- Meat and Poultry Processing, Ingredient Technology and Packaging
- Meat and Poultry Quality
- Meat and Poultry Safety
- Education and Extension Tools
- Muscle and Lipid Biology and Biochemistry
- Technical Summaries

If further clarification is required regarding program categories, please contact the RMC program abstract committee chair.

## ABSTRACT PRESENTATION FORMATS

### EPOSTER

Electronic Poster presentations will be on display beginning the afternoon of Sunday, June 16. All ePoster presenters are expected to be present at their ePosters during their specified time. Complete guidelines for ePoster presentations are on page 7.

## DATES AND DEADLINES

<b>12/08/2023</b>	Call for Abstracts opens – submission system online
<b>04/02/2024</b>	Intent for Research Competitions Due (Undergraduate, M.S., and Ph.D.)
<b>04/02/2024, 11:59 p.m. Central Daylight Time</b>	Call for Abstracts ends– submission system closes
<b>05/17/2024</b>	Presenters notified of status of submission
<b>05/28/2024</b>	Deadline for all presenters to register for the RMC meeting

## PRESENTER ABSTRACT SUBMISSION FEE

**AMSA will be charging a \$50 (USD) abstract submission fee.** This fee is charged per abstract, and the fee covers expenses of handling the abstracts and presentation using the e-poster format.

This submission fee is nonrefundable and will be due at the time you submit your AMSA RMC abstract online.

Kindly note that all payments must be made in US Dollars by credit card (EuroCard/MasterCard, Visa, American Express). All costs must be done by the ordering customer and free of charge for the receiver account on all payments. Other methods of payment (personal checks or bank transfer) cannot be accepted.

Please note online payment by credit cards require “3D secure” identification (authenticated payment system that offers added security for online purchases). During payment, the bank checks the card holder’s identity before validating the transaction. To validate the payment, the abstract submitter will be asked to:

- Enter their date of birth
- Enter a code received by SMS
- Answer a secret question, etc.

## PRESENTER INFORMATION AND REIMBURSEMENT POLICY

AMSA is mindful and appreciative of the work, dedication, and expertise required to prepare presentations. Without these shared experiences from all delegates, the RMC would not be a success. AMSA does not reimburse abstract presenters for travel, hotel, registration fees or other additional expenses incurred during the 2024 RMC.

## ABSTRACT SUBMISSION GUIDELINES

**Submission Deadline: April 2, 2024, by 11:59 pm Central Daylight Time** via the AMSA website.

<http://www.meatscience.org/rmc>.

**Acceptance/rejection date: May 17, 2024**

Individuals are encouraged to present timely papers by ePoster presentation at AMSA’s 2024 RMC by submitting an abstract for review. Additionally, the graduate student and undergraduate student research competitions abstracts are a part of this submission process.

The abstract must be submitted electronically to AMSA Headquarters, no later than 11:59 p.m. Central Daylight Time, April 2, 2024. The submission for the abstract (3,500 keystrokes limit) must be made via the AMSA website. <http://www.meatscience.org/rmc>.

**THE FOLLOWING INFORMATION IS REQUIRED TO SUBMIT AN ABSTRACT:** Full name, Institution/Company, Address, Zip Code, City, State, Country, Telephone, and E-mail of the presenting author.

Space limitations allow a maximum of 3,500 keystrokes (including characters, spaces, and punctuation). Keystroke count begins at the title and ends with the last word or end of a table if one is included. The authors’ details, keywords, and conflict of interest are not included in the keystroke count. Abstracts that exceed the keystroke limit will be rejected automatically by the abstract submission system. Abstracts must be written in English and

should be explicit, precise, informative, and well documented. **Abstracts must contain an objective and/or hypothesis statement, materials and methods, results with statistical interpretation, and a conclusion statement.** A reference list is not required. If animal or human subjects were used in your project, you will be asked to provide the protocol number in your online abstract submission. There is a limit of one (1) table per abstract and the minimum requirement for the table is 2 rows and 2 columns. Tables should not contain more than 15 rows or 8 columns. The quality of an abstract for presentation is a direct reflection of the author(s) and AMSA.

Resolution for Image Files:

- **Filetype:** TIF or EPS formats
- **Resolution:** min/max of 300-600 DPI.
- **Color mode:** RGB color mode

## TECHNICAL SUMMARY SUBMISSION GUIDELINES

**Submission Deadline: April 2, 2024, by 11:59 pm Central Daylight Time**

**Acceptance/rejection date: May 17, 2024**

Technical summaries are designed to provide non-academic professional members with an additional opportunity for dialogue and discussion about specific, individual scientific topics affecting the meat and poultry industry. Technical, non-sales/marketing summaries are to be submitted and reviewed by the AMSA Abstracts Committee members and AMSA staff. Once approved, the ePoster will be presented by one of the contributing authors. Summaries are selected on technical merit and should include data to support hypothesis or conclusions. Research reviews on previously published works can also be submitted as a technical summary. If you would like to submit a summary that does not fit one of the categories or if you have questions, please contact AMSA at [information@meatscience.org](mailto:information@meatscience.org).

*Technical summaries will not be published in the AMSA Meat and Muscle Biology journal publication but will be made available to meeting attendees in the 2024 RMC smartphone app and conference proceedings.*

Technical Summaries descriptions will be accepted in the following categories:

- Sustainability;
- New Technologies (Packaging, Processing, Information Collection, Instrumentation, etc.); and
- Food Safety Interventions, Analytics, and Ingredients

Individuals are encouraged to present timely scientific summaries in an ePoster presentation format at the 2024 AMSA RMC. Presentation material will only be considered for the 2024 RMC by submitting a summary for review. **These summaries are not intended to be part of any student ePoster competition at RMC and are not open to academic members, including students.**

## ABSTRACT AND TECHNICAL SUMMARY SELECTION CRITERIA

AMSA reserves the right to select or reject abstracts submitted for review to the RMC program planning committee based on quality factors including, but not limited to, scientific merit and relevancy to the application of meat science to the meat industry.

## METHOD OF PRESENTATION

### ePOSTER PRESENTATIONS

- An electronic ePoster board will be provided to each presenter. Presenters will be given a designated time to be at their assigned electronic ePoster board. **Please design per the guidelines listed below.**
- ePoster presentations will be displayed starting Sunday of the conference and presenters will be assigned a designated time to stand at their ePoster on Monday or Tuesday at the 2024 RMC. More information on designated times will be sent out in June 2024.

### ABSTRACT AND TECHNICAL SUMMARY REVISIONS

**Changes are not permitted after the submission deadline, 11:59 pm Central Daylight Time, April 2, 2024.**

Revisions to submitted abstracts are possible if completed **prior** to the deadline of submissions. **ACCESS WILL NOT BE GRANTED TO REVISE ANY ABSTRACT SUBMISSION AFTER 11:59 pm Central Daylight Time, April 2, 2024.**

### ABSTRACT AND TECHNICAL SUMMARY WITHDRAWAL

Abstract withdrawal requests must be submitted in writing by June 1 to avoid publication and the \$50 USD abstract submission fee is non-refundable.

### ABSTRACT AND TECHNICAL SUMMARY REVIEW AND ACCEPTANCE

Abstracts will be peer-reviewed by members of the AMSA RMC Program Planning Committee, *Meat and Muscle Biology* Editorial Board, and the Committee under the supervision of the Abstract Subcommittee Chair.

Possible reasons for abstract rejection:

- Information is not new or is very similar to previous presentations/publications
- Methods and/or analyses are not appropriate or informative
- The study appears to be incomplete or insufficient
- Promotes commercial products, not science, as the primary goal
- Does not follow the format instructions
- Many language errors

### NOTIFICATIONS

All presenting authors will receive e-mail notification of abstract status no later than May 17, 2024. Notices will only be sent to presenting authors whose email address was provided at the time of abstract submission.

It is the responsibility of the presenting author to inform all co-authors and faculty advisors of the status and scheduling information.

All notices will be sent by automated e-mail systems. It is the responsibility of the authors to check e-mail accounts, including any junk/spam folders associated with the submitted e-mail address.

If you have not received e-mail notification by May 18, 2024, please contact AMSA by email at [information@meatscience.org](mailto:information@meatscience.org). It is the responsibility of the presenting author to ensure that they have a valid and current email address.

## ELECTRONIC EPOSTER PRESENTATION GUIDELINES

- If an abstract and/or a technical summary is accepted, the author(s) must attend the RMC 2024 to present. If a presenter is not registered by May 28, 2024, for RMC 2024, the abstract will not be published, and the ePoster/presentation will be withdrawn.
- ePoster presenters shall attend their ePosters during their assigned times to present their work to conference attendees. More information on specific times will be sent out and posted on the conference website (<http://www.meatscience.org/rmc>) in June 2024.
- For the general abstracts, technical summary, and the research competition an electronic ePoster board will be provided. Presenters will be asked to submit their abstracts and technical summary presentations in advance as the ePoster sessions will be done in Kiosk Mode. Kiosk mode means that we receive the presentation ahead of time, then combine multiple presentations into a single presentation with a menu and navigation buttons. This ensures that it's easy to swap between different ePosters that are on the same screen. More information will be sent out in March regarding the design of your ePoster.

### Electronic ePoster Board Preparation Guidelines (General Abstracts, Technical Summaries, and Research Competitions)

**IMPORTANT:** Due to differences in operating system standards and character sets, **mathematical formulas** created in Windows often don't display correctly on MAC OS, even in PowerPoint. **Please convert formulas to images.**

**ePoster PPT must be submitted by: TBD**

- Presentations are designed in PPTX format
- Use the template provided
- Recommended fonts: Calibri, Arial, Times New Roman
- Recommended font size: 28pt or larger
- Slide/ePoster size: 40.97x23.04, which is a 16:9 ratio
- Single or Multiple pages/slides may be used for ePoster
- Multiple slides/pages should be used if there is additional content, images, graphs, and videos that need to be displayed on your ePoster. While multiple pages are recommended, **no more than 4 will be accepted.**
- If multiple pages are used, the "mouse click" option should be chosen for each slide/page to advance.
- Videos, animations, graphs, and images can be embedded into your ePoster
- Embedded video may be displayed in the following formats:
  - .mov, .mp4, .m4v, mpeg
- The ePoster layout must be in landscape orientation
- ePoster template is available on the AMSA Conference Abstract website

## DISPLAY HOURS AND EXPECTATIONS (TIMES ARE SUBJECT TO CHANGE)

ePosters will be displayed beginning Sunday afternoon, June 16, 2024, for conference attendees to view. All ePoster presenters must be at their ePoster during their assigned time that will be sent out in June 2024.

ePosters will be grouped and displayed by topic and a number will be assigned to each accepted ePoster, which will correspond to a number on the display board. Due to ePoster viewing constraints, all ePoster presenters are required to attend their ePosters during their specified 1-hour time. More details on assigned times will be sent out in early June.

## STUDENT RESEARCH EPOSTER COMPETITION

The purpose of the Student Research ePoster Competition is to encourage students to:

1. Engage in high quality, sound, and pertinent meat and poultry research;
2. Gain experience in presentation of scientific papers;
3. Demonstrate poise and mental agility before their peers;
4. Develop skills in effective communication for dissemination of research information; and
5. Acquire an appreciation of the role of the American Meat Science Association and its members in advancing the wellbeing of the meat industry through research.

### Student Research Competition Sponsorship:

- PhD Student Research Competition
  - *Hormel Foods Corporation*
- Master Student Research Competition
  - *Tyson Foods, Inc.*
- Undergraduate Student Research Competition
  - *JBS Foods/Pilgrim's*

## RULES AND REGULATIONS

### ELIGIBILITY

**Contestants must hold membership in the American Meat Science Association at time of entry (April 2, 2024) and be registered to attend the 2024 RMC event by May 28, 2024. TWO students from one university may enter the Master of Science competition, TWO students from one university may enter the Doctor of Philosophy and TWO students from one university may enter the undergraduate competition. Each university can have up to six total participants. Submit intents online at: <https://meatscience.org/events-education/rmc/abstracts-2023>.**

### DIVISIONAL COMPETITION

Contestants may compete in one of three divisions depending on their eligibility.

- ***Undergraduate Division: Contestants competing in this division must be an undergraduate or have received their bachelor's degree no earlier than the December graduation period prior to the competition (e.g., no earlier than December 2023 for the 2024 RMC competition). In addition, the research must have been completed while the student was an undergraduate student. Contestants may compete only once in the Undergraduate division.***



• *Master of Science Division:* Contestants competing in this division must be currently enrolled in a Master of Science Program or have completed a Master of Science program since the last Reciprocal Meat Conference. **Contestants may compete only once in the Master of Science division.**

• *Doctor of Philosophy Division:* Contestants competing in this division must be currently enrolled in a Ph.D. program or have completed a Ph.D. program since the last Reciprocal Meat Conference. **Students may compete twice in the Ph.D. level competition if they have not won the Ph.D. division previously and if the research they are presenting the second time is *significantly different\** from the first time competing.**

*\* meaning it must be separate experiment/trial (cannot be preliminary results one year and the final project the next year)*

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## SUBJECT OF PRESENTATION

Any basic or applied research in meat or poultry science will be considered for entry into the competition, if conducted by the student as part of their education indicated by the division in which they are competing. The presentation may contain information that has been presented at other regional or national scientific meetings but cannot contain material previously used in this competition. The information presented must be a product of the student's scholarly work including data collection, data analysis, critical assessment, and summary.

## PLACE AND CONDITIONS OF PRESENTATIONS

Contestants will make ePoster presentations at the RMC on Sunday, June 16, 2024. A meeting for all competitors will be held prior to the competition to determine a schedule for the order of contestant's presentations of ePoster material to the judges. Students need not be present for presentations by other contestants and are free to leave the ePoster area before and after they have given their respective presentation. Contestants are required to return to the presentation area once the competition is over, in the event the judges would like an opportunity to ask additional questions of certain candidates in the graduate competition. Contestants will have an opportunity to make minor edits to their ePoster prior to the competition Sunday, June 16, 2024 and a detailed schedule of events will be sent out in late May 2024.

### **Presenters will be evaluated based on the following criteria:**

- Professional appearance and poise throughout the presentation
- Quality of visual aids
- Use and creativity of visual aids to convey a clear message
- Knowledge of your research topic
- Ability to demonstrate an understanding of the experimental design of your project and statistical approach for analyzing your data
- Ability to answer questions that directly relate to and indirectly relate to your topic
- Ability to relate your research to industry applicable scenarios

Emphasis of each of these categories will be at the discretion of the judges. NOTE this may not be an exhaustive list of judge's expectations.

### **Electronic ePoster Board preparation – See Page 6**

### **Oral Presentation:**

Contestants will not give a formal oral presentation in the traditional sense.

- **Undergraduate Division:**

**Students will be given five minutes to introduce the material to the judges and six to eight minutes for questions and discussion.** Contestants should be prepared to answer questions from judges concerning objectives, methods, design, results, and interpretation of research presented.

- **Master of Science Division:**

**Students will be given five minutes to introduce the material to the judges and six to eight minutes for questions and discussion.** Contestants should be prepared to answer questions from judges concerning objectives, methods, design, results, and interpretation of research presented.

- **Doctor of Philosophy Division:**

**Students will be given 12 minutes to introduce the material to the judges and eight minutes for questions and discussion.** Contestants should be prepared to answer questions from judges concerning objectives, methods, design, results, and interpretation of research presented.

Contestants will also display their ePosters during the open ePoster times as designated by the program chair and will need to be present during the ePoster presentations for their section.

### EVALUATING THE PRESENTATION

1. The Student Research ePoster Competition Committee shall evaluate abstracts and ePoster presentations for each division. The chair of the Student Research ePoster Competition Committee will tabulate scores but will not be a judge.
2. ***Presentations during the student research competition are open to the public.*** Judges will listen to each presentation as a group and evaluate the ePosters and presentations using procedures approved by the Student Research ePoster Competition Committee chair. After the competition, judges will meet with the chair of the Committee to select a winner.
3. It is the intention of the Student Research ePoster Competition Committee that none of the judges will be from institutions represented in the competition nor will major professors of contestants serve as judges within the different divisions. If, however, it occurs that a judge and a contestant are from the same institution, that judge will recuse themselves and will not evaluate that contestant. No two judges shall be from the same institution. The judges' decision will be final.

### AWARDS

***Scholarships and Awards will be given during the welcome reception Sunday evening at the 2024 RMC.***

There will be three awards given per division to the students winning the *Undergraduate, Master of Science, and Doctor of Philosophy* competitions.

**Please see below for scholarship amounts for each division.**

	<b>Undergraduate</b>	<b>M.S.</b>	<b>Ph.D.</b>
<b>1st Place</b>	\$1000 USD and plaque	\$1000 USD and plaque	\$1000 USD and plaque
<b>2nd Place</b>	\$750 USD and plaque	\$750 USD and plaque	\$750 USD and plaque
<b>3rd Place</b>	\$500 USD and plaque	\$500 USD and plaque	\$500 USD and plaque

All entrants will be recognized for their participation by the American Meat Science Association.

#### PRESENTER AGREEMENTS

- AMSA intends to publish the abstracts, copies of the ePosters, and presentation materials as part of the Proceedings of the 2024 RMC. The proceedings will be published online and made available to all AMSA members as well as those attending 2024 RMC.

It is the intention of the AMSA to publish **ALL** abstracts, except for technical abstracts presented at the 2024 RMC in the *AMSA Journal Publication, Meat and Muscle Biology*. *Technical abstracts will only be published in the conference proceedings.*

#### FREQUENTLY ASKED QUESTIONS

- 1. Who should submit an abstract to the 2024 RMC?**
  - a. Presenting at the 2024 RMC is an opportunity to gain exposure for your research program and recognition from your peers. As many as 900 meat scientists and students will attend the conference. AMSA members will benefit from your expertise and participation!
- 2. When is the deadline to submit abstracts?**
  - a. All abstracts (including student research competitions) are due by April 2, 2024, by 11:59 p.m. Central Daylight Time
- 3. Can I revise my abstract after submitting it?**
  - a. Yes, but all revisions must be completed prior to the submission deadline, April 2, 2024, by 11:59 p.m. Central Daylight Time.
- 4. Can I revise my ePoster PPT after submitting?**
  - a. Yes, you will be able to adjust your PPT onsite prior to your presentation.
- 5. When will I hear if my abstract was accepted for presentation?**
  - a. Submitters will be notified by email no later than May 17, 2024.
- 6. Does my AMSA member login and password work on the online abstract management website?**

No, your AMSA member login and password does not work for submitting an abstract. When you first submit an abstract, you must create an account in the abstract submission system.

#### CONTACT INFORMATION

#### TECHNICAL ASSISTANCE WITH ABSTRACT SUBMISSION AND GENERAL QUESTIONS

Web-related technical questions concerning these procedures should be addressed to:

Deidrea Mabry, Chief Operating Office

[dmabry@meatscience.org](mailto:dmabry@meatscience.org)

Phone: 773-913-2021

#### PROGRAM ABSTRACT COMMITTEE CHAIRS

Policy and review questions should be directed to the Abstract Committee.

Kelly Vierck, Ph.D.,

[vierck@uark.edu](mailto:vierck@uark.edu)

#### GRADUATE STUDENT RESEARCH COMPETITION COMMITTEE CO-CHAIR

Questions regarding the Student Research EPoster Competition should be directed to the chair.

Benjamin Bohrer, Ph.D.

[bohrer.13@osu.edu](mailto:bohrer.13@osu.edu)

#### UNDERGRADUATE STUDENT RESEARCH COMPETITION COMMITTEE CO-CHAIR

Questions regarding the Student Research EPoster Competition should be directed to the chair.

Chaoyu Zhai, Ph.D.,

[chaoyu.zhai@uconn.edu](mailto:chaoyu.zhai@uconn.edu)

#### PROGRAM PLANNING COMMITTEE CHAIR

Inquiries on the program development process should be directed to the RMC Chair.

Jeff Sindelar, Ph.D., Chair

[jsindelar@wisc.edu](mailto:jsindelar@wisc.edu)