AAAS 2023 Student E-poster Competition Guidelines

The AAAS Student E-poster Competition recognizes the individual efforts of students who are actively working toward an undergraduate, graduate, or doctoral-level degree (post-doctorates are not eligible - even if presenting graduate research). Multidisciplinary research projects are encouraged.

Eligibility Criteria

The competition is open to individuals who are students at the time of submission for work recently performed while enrolled in an undergraduate, graduate, or doctoral degree program.

In order to participate in the Student E-poster Competition,

1. Each applicant can only submit one abstract and must pay the non-refundable $25.00 abstract submission fee.

2. Confirmed presenters must **register** and **pay $75.00** for the meeting registration fee for students by, November 6, 2022, 11:59 PM PT. Registrations links will be sent to you on October 17th.

3. Advisers must certify that the research presented on the poster involves only the work of students enrolled in an undergraduate, graduate, or doctoral degree program at the time the work was performed.
   a. **Please alert your adviser to respond to our verification email (it may go to their spam folder). They receive the email once you confirm your application (after payment page on application).**

4. If selected to advance to the final round, you MUST present at the Annual Meeting in Washington, D.C. See page 4 for dates and time.

5. Co-authors and advisor's names can appear on the E-poster PDF, but they cannot be listed in the abstract submission, nor can they participate in the oral presentation (video or meeting with judges).

6. Research proposals and promotions of a product or a program will not be accepted

*Submissions that do not meet these criteria will be disqualified.

Key Dates			
Weekday	**Month/Day**	**Time**	**Events**
Wednesday	May 18	9:00 AM ET	E-poster abstract submission site opens
Monday	October 10	11:59 PM PT	E-poster abstract submission site closes
Friday	October 14	11:00 AM ET	Notification of acceptance or decline
Friday	October 14	1:00 PM ET	Instructions for first round and (Oct. 17) for registration link
Sunday	November 6	11:59 PM PT	Deadline for E-poster presenters to register & pay for meeting registration fee
Sunday	November 6	11:59 PM PT	Deadline to submit final E-poster PDF and video
Wednesday	November 30		First Round - Accepted and disqualified emails sent out
Thursday - Monday	December 1 – December 5	11:59 PM PT	1st Round – Judges review & score E-poster PDFs & oral presentation videos
Thursday	December 15		Final Round – top 6 finalists (per category) emails are sent out
	Late February		Email reminder to E-poster finalists with information for time and location
Friday - Sunday	March 3 - 4	10:00 AM – 12:30 PM ET	Final Round – Finalists present live to judges to determine winners
Sunday	March 5, 2023	End of the Meeting	First Place winners are announced live during the Annual Meeting

Categories

Please review all categories to carefully select the one that is most relevant to your research.

- **Biochemistry and Molecular Biology**
  Includes the fields of biochemistry, chemical biology, genomics, proteomics, structural biology

- **Brain and Behavior**
  Includes the fields of neuroscience and psychology

- **Cell Biology**
  Includes the fields of physiology and all areas related to cells

- **Developmental Biology, Genetics, and Immunology**
  Includes the fields of evolution and developmental biology, genetics, host responses, infectious diseases, all areas of immunology

- **Environment and Ecology**
  Includes the fields of agriculture, food science, and renewable resources; geology and geography, as well as atmospheric and hydrospheric sciences

- **Medicine and Public Health**
  Includes dentistry and oral health sciences, medical and pharmaceutical sciences

- **Physical Sciences**
  Includes the fields of astronomy, chemistry, geology, mineralogy, meteorology, and physics

- **Science in Society**
  Includes the history and philosophy of science, general interest in sciences and engineering, science communication, and public engagement

- **Social Sciences**
  Includes the fields of anthropology, economics, education, language and culture, political science, and sociology

- **Technology, Engineering, and Math**
  Includes fields of computer science, information technology, industrial science, and statistics

Abstract Submission General Guidelines

Presenters can log in and edit their abstract up to the submission deadline (October 10, 2022, 11:59 PM PT). Please carefully follow the instructions as approved abstracts will be used in the online program.

Abstract Sections: All abstracts should be informative and contain the following sections:

1. **Background:** A brief statement of study's objectives

2. **Methods:** A concise statement of methods

3. **Results:** A clear presentation of results, which should be "data rich"

4. **Conclusions:** A closing statement of study's conclusions; do not state "results will be discussed."

If your abstract submissions do not adhere to guidelines I – III, it will NOT be approved.

I. Abstract title must use all capital letters and is limited to 85 characters (including spaces).

II. Abstracts are limited to 2600 characters (including spaces). Please type or paste the abstract as a **paragraph**-**single text block** (No indents, no bullets, and no line breaks).

III. The E-poster title, co-authors, citations, footnotes, graphics, and funding acknowledgements are not allowed within the abstract text.

IV. Work must be proofread carefully before submission. Abstracts that show lack of care or quality control as evidenced by grammatical, punctuation, spelling, and typographical errors are reviewed less favorably.

V. AAAS staff has the right to reformat the abstract if needed to conform to standards required for the online program and the meeting app.

First Round - E-Poster and Oral Presentation Video (virtual)

For the 2023 AAAS Annual Meeting, each approved presenter will prepare 5 slides (Power Point or other) and a 3-minute oral presentation video that will be uploaded along with their abstract and E-poster PDF. The 3-minute video and E-poster PDF will be reviewed and scored by the judges to determine who will advance to the final round. All accepted E-poster abstracts, PDFs and videos will be available to the general public on the 2023 AAAS Annual Meeting online program.

Presentations should include:

- A clear statement of the problem and its importance.
- A summary of key elements of your research and key findings.

Deadline to submit final E-poster PDF and video is **Sunday, November 6, 11:59 PM PT**

*See pages 5 and 6 for first and final round scoring rubric.

Final Round - Competition and Evaluation

In-person competitions will be between members of their E-poster category. Undergraduate and graduate students will be evaluated per their university level of study.

Finalists will be invited to meet with judges for a 12 minute evaluation session (5-minute presentation and 7-minute Q&A). Please make sure you are available on your category presentation day. Please see below for the exact day and time for your category.

After listening to oral presentations, judges will assess each poster using an evaluation form. After all posters from a category have been reviewed, judges will deliberate to select undergraduate and graduate students first place and honorable mention place winners.

First place winners will be announced live in Washington, D.C. at the Annual Meeting on Sunday, March 5, 2023. I will shortly follow up with an email to first place and honorable mention place winners.

All final live presentations will start at 1:30 PM – 4:00 PM ET concurrently on Friday and Saturday.

Friday, March 3
Cell Biology; Physical Sciences; Science in Society; Environment and Ecology; and Technology, Engineering, and Math

Saturday, March 4
Biochemistry and Molecular Biology; Brain and Behavior; Developmental Biology, Genetics, and Immunology; Social Sciences; and Medicine and Public Health

Prizes

The first place winning undergraduate and graduate students in each category will receive a cash award of $500, a one-year AAAS membership that includes a digital subscription to the journal *Science*, name and poster title printed and published in *Science,* and a recognition certificate.

The honorable mention place winning undergraduate and graduate students in each category will have their name and poster title printed and published in *Science* and will receive a recognition certificate.

The student presenter is the only eligible recipient to receive the cash award and prizes.

If you have any questions or need more information, please contact Kathy Arias at karias@aaas.org.

The official language of the 2023 AAAS Annual Meeting is American English

2023 STUDENT POSTER COMPETITION EVALUATION FORM

Review questions have a scale of 1-10 (1=below average; 5=average; 10=outstanding)

E-poster:

1	2	3	4	5	6	7	8	9	10

- **Is the poster well prepared?**
- **Is the poster crowded?**
- **Is the font size/style easy to read?**
- **Is there a good flow of information?**
- **Does the poster stimulate interest and discussion?**
- **Is the flow of the poster easy to follow?**
- **Do the color schemes make sense?**
- **Are there at least 2 visuals on the poster? (Graphs, diagram, chart, pictures, etc.)**

Presentation:

1	2	3	4	5	6	7	8	9	10

- **Is the presentation well-organized?**
- **Is the presentation balanced in content?**
- **Is the presentation logically sequenced?**
- **Does presenter demonstrate enthusiasm?**
- **Was the recorded video within 3-minutes?**
- **The recorded video did not exceed 3:30 minutes?**
- **Were the slides clear and easy to follow?**

Results and Conclusion:

1	2	3	4	5	6	7	8	9	10

Are the results:
- **Logical and properly summarized?**
- **Complete?**
- **Presented well?**
- **Presented with sufficient explanation?**

Does the conclusion:
- **Give results?**
- **Show the importance of the study?**
- **Show implications of the study?**

Methodology:

1	2	3	4	5	6	7	8	9	10

- **Are the methods appropriate and properly applied?**
- **Is the methodology original and detailed?**

Understanding of Subject:

1	2	3	4	5	6	7	8	9	10

Did the presenter:
- **Clearly state objectives of the study and relationship to earlier work?**
- **Demonstrate an understanding of the subject?**

Comments: (Use back of sheet if necessary)

Final Round

2023 STUDENT POSTER COMPETITION EVALUATION FORM

Review questions have a scale of 1-10 (1=below average; 5=average; 10=outstanding)

E-poster:
- **Average PDF score from first round**   _____

1	2	3	4	5	6	7	8	9	10

Presentation:
- **Did the presenter go more into depth than the first round?**
- **Did the presenter show improvement from the first round?**
- **Did the presenter speak loudly and make eye contact with the audience?**
- **Is the presentation well-organized?**
- **Is the presentation balanced in content?**
- **Is the presentation logically sequenced?**
- **Does presenter demonstrate enthusiasm?**

1	2	3	4	5	6	7	8	9	10

Results and Conclusion:

Are the results:
- **Put into broader context/justification for research?**
- **Logical and properly summarized?**
- **Complete?**
- **Presented well?**
- **Presented with sufficient explanation?**

Does the conclusion:
- **Give results?**
- **Show the importance of the study?**
- **Show implications of the study?**

1	2	3	4	5	6	7	8	9	10

Methodology:
- **Are the methods appropriate and properly applied?**
- **Is the methodology original and detailed?**

1	2	3	4	5	6	7	8	9	10

Understanding of Subject:

Did the presenter:
- **Answer all the questions effectively?**
- **Clearly state objectives of the study and relationship to earlier work?**
- **Demonstrate an understanding of the subject?**

Comments: (Use back of sheet if necessary)