



GUIDE FOR STUDENT PRESENTERS

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Presentation Site Overview

The screenshot shows a web browser window with the address bar displaying "sigmaxishowcase.tumblr.com". The page title is "Sigma Xi Student Research Showcase".

- 1** Points to the main title "Sigma Xi Student Research Showcase".
- 2** Points to the presenter information: "Janice Doe is a graduate student in Biochemistry at R.T.P. University".
- 3** Points to a video player showing a group of people in a laboratory setting.
- 4** Points to a comment widget showing "0 Comments and 0 Reactions".
- 5** Points to the "Abstract" section, which includes a text input field for the title and a paragraph of instructions for writing the abstract.
- 6** Points to a slide presentation titled "Creating a presentation site for the Sigma Xi Student Research Showcase" displayed over a CD-ROM image.

1 - Short Title

2 – Presenter Information

3 – Personal Video

4 – Discussion Widget

5 – Abstract

6 – Slide Presentation

Visit <http://sigmaxishowcase.tumblr.com/> for a sample Student Showcase presentation site

Elements of a Showcase Presentation¹

1. Short Title

A short title of the research project should appear near the top of the presentation page. This is not necessarily the formal title of the research project, which should appear in the abstract section (see below).

The short title should give a general idea about the topic and help confirm that the visitor is on the correct site. A formal title such as: “Fluctuating Asymmetry as an Indicator of Habitat Quality and Foraging Ability in the Tiger Salamander, *Ambystoma tigrinum*” could be shortened to simply: “Tiger Salamander: Foraging and Habitat.”

The short title will appear on the Sigma Xi Student Showcase home page and will be used to identify student presentations to the judges.

2. Presenter Information

Presenters should be identified by name, current education status (examples: high school senior, graduate student, freshman) and institution name. Other information (field of study for example) may be included but is not required.

- ✓ Suggestion: include an image of either the presenter(s) or of something related to the research project.

3. Personal Video

Intended Audience: judges as well as other visitors to the presentation site.

Length: 2-3 minutes.

Goals: serve as a means for presenters to introduce themselves and to generally introduce the research project to judges and guests visiting the presentation site.

The video is also an opportunity to share enthusiasm for the research project.

- ✓ Suggestion: video action of a presenter conducting research always makes for compelling content.

Video capture by good quality cellphone camera, tablet, webcam or portable camera should work well.

Include a statement of how the research fits into the **big picture** described in a way that judges and site visitors would find compelling.

¹ Aside from the “Short Title,” the elements of a Student Showcase Presentation may appear in any order on the presentation site.

4. Discussion Widget

Intended Audience: judges with a technical background that matches the student's research project. Some casual visitors may also comment.

Goal: to afford students and judges an opportunity to dialogue about the student's research similar to how they might at a face to face event.

Requirements: Students must add a Discussion widget to their presentation site. We suggest DISQUS but other similar widgets may do (see Resources below).

- ✓ **The Discussion Widget must not require a judge to register or log in to submit questions.** Using DISQUS, allow Guest Commenting under Admin> Settings > Community Rules > Allow Guests to Comment.
- ✓ If the presenter is unable integrate the discussion widget directly into the presentation site; a link to a separate site (such as a blog site) that can host the widget is acceptable.

Student presenters must monitor judge responses throughout the discussion period (see Timeline below). Instantaneous responses are not required, but should be made in a timely manner.

Discussion behavior: Discussion widgets typically allow presenters to moderate the discussion and flag/remove any inappropriate comments. As these forums are public, Sigma Xi cannot be responsible for the content of posts. Please do alert Sigma Xi if any student or judge does post inappropriate comments. This is not acceptable and we will follow up as necessary.

5. Abstract

Intended Audience: judges and visitors with a general science background.

Suggested length: 200 words maximum.

Abstracts should contain the following information

Formal title of the research project (in bold font)
Statement of hypothesis, research question or research goals
Explanation of how the research fits into the "Big Picture"²
General description of research methods and anticipated results
Findings or conclusions

Images: Because of the limitations of some blogging/web creation software, the abstract may include an image of complex formulae (etc.) that could not otherwise be expressed. The abstract should, however, be primarily text.

² A statement of the importance of a research project, the overall perspective or objective, not the fine detail.

6. Slide Presentation

Intended Audience: judges with a technical background that matches the student's general field of research.

Limit: 25 content slides + 1 title slide + 1 acknowledgement slide (27 slides total).

Slide Presentation should contain the following:

Formal title of the research project on slide 1 (may also include presenter information)

Statement of hypothesis, research question or research goals

Technical description of research methods and how they serve to test the hypothesis or answer the research question

Data and results

Findings or conclusions

Research that must remain unpublished (private)

If the technical slide presentation of your research contains information that must remain private (unpublished), you can create a secondary site that is password protected to host the slide presentation. Give the password to the Student Showcase organizers who will only share it with judges assigned to your presentation.

Your primary presentation site must contain your **personal video** and **abstract** and a **link to log in** to the secondary (password protected site). The private content page may contain your technical slide presentation.

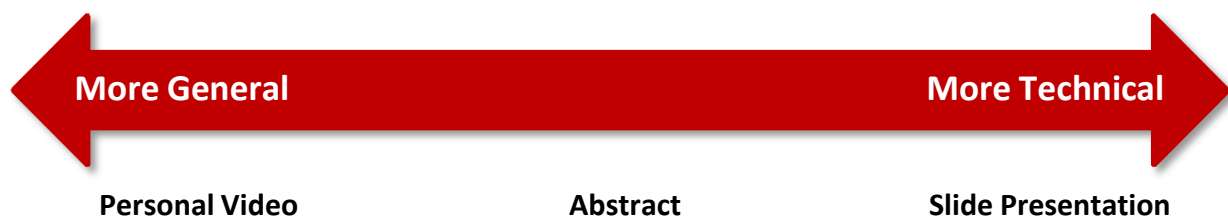
Information on creating a password protected page using Tumblr:

http://www.tumblr.com/docs/en/blog_management#versus

Including animation: some slide hosting sites, such as SlideShare, allow users to embed video into the presentation. An animated slide from PowerPoint, for example, can be saved as a .wmv file and uploaded to YouTube. The video can then be placed in the slide deck on the slide hosting site (follow directions for embedding on the hosting site).

**Note on Level of Technical Detail

Keep in mind the goals for the different elements of the presentation site. The level of technical detail should vary based on these goals. Consider the following when creating your presentation:



Visit <http://sigmaxishowcase.tumblr.com/> for a sample Student Showcase presentation site

Timeline and Process

January 4, 2016

Presentation approval: Students email project description to meetings@sigmaxi.org for pre-approval

Sigma Xi emails confirmation of approval to present and registration information

Student-presenters begin the creation of their presentation site

Registration: students complete registration following instructions given in the pre-approval email

Presentation submission: Students send URL of their presentation site to Sigma Xi (as instructed during the registration process)

April 4, 2016

Registration and Presentation Submission Deadline

Compatibility Testing: Sigma Xi tests student presentation sites to verify functionality

April 8, 2016

Final publication of student presentations to Student Research Showcase homepage

April 11, 2016

Student Research Showcase begins. Judges begin to review student presentations

Dialogue between student-presenters and judges via discussion widget on the student's presentation site

April 18, 2016

Discussion period between students and judges ends at **4:00 PM Eastern US Time**. Judges begin to return evaluation forms to Sigma Xi

April 19, 2016

Student Award Winners Announced

Resources

An example student presentation site can be found at: <http://sigmaxishowcase.tumblr.com/>
Check out the slide presentation on that site for information on how to create a Student Showcase presentation site.

We suggest the following **free resources** to help create and host a Showcase presentation site:

Tumblr <https://www.tumblr.com/> : blogging software and hosting site that will allow you to add the elements of your presentation

YouTube <http://www.youtube.com/> or Vimeo <http://vimeo.com/> : video hosting services that allow you to embed or add video to websites

SlideShare <http://www.slideshare.net/> : slide hosting site

DISQUIS <http://disqus.com/> : comment system that enables discussion on websites and connects conversations across the web

Important Note: Student-presenters are not required to use these resources to create their presentation site. HTML web pages or other resources are acceptable as long as the site includes the following:

1. Personal Video
2. Abstract
3. Slide Presentation
4. Discussion widget

Contact Information

Email: meetings@sigmaxi.org

Phone: 919-549-4691 Ext. 206

Website: <https://www.sigmaxi.org/meetings-events/student-research-showcase>

Key Staff:

Janelle G. Simmons

Manager of Programs

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