

April 21-24
2020

CURO [virtual] Symposium

highlighting UGAs undergraduate research



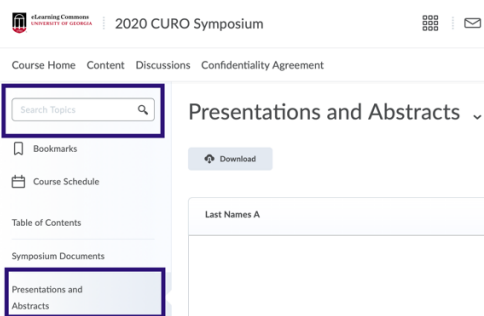
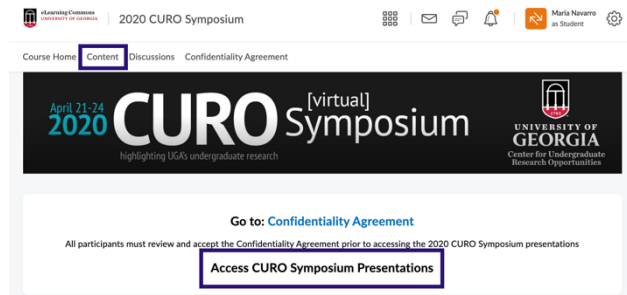
2020 CURO Symposium Website Instructions

Access to the 2020 CURO Symposium Website

- The website will be available on April 21, at 2:00 p.m. It will close on April 24, at 5:00 p.m. Student presenters will retain access until April 27, at 5:00 p.m. to review feedback on their presentations provided to them by Symposium participants.
- Either Google Chrome, Mozilla Firefox, or the newest Microsoft Edge (<https://www.microsoft.com/en-us/edge/>) are recommended browsers for eLC.
- To access the website, go to: <https://uga.view.usg.edu/d2l/home/2031472>; or search for 2020 CURO Symposium in your <https://elc.uga.edu> main page.
- Only people who have been given access to the page will be able to enter the Symposium website. People who do not have access may request it to https://ugeorgia.ca1.qualtrics.com/jfe/form/SV_eJKqbHJvs388MEI
- All participants must review and accept the **Confidentiality Agreement** prior to accessing the 2020 CURO Symposium presentations. Participants will not be able to access **Student Poster and Oral Presentations** unless they complete, submit, and confirm the **Confidentiality Agreement**. Participants may print it or download a copy from the Symposium Documents folder.

Access and Search Student Abstracts, Poster and Oral Presentations

- Access Student Presentations directly from the Home Page link **“Access CURO Symposium Presentations”** or by clicking the **“Content”** button in the top navigation bar.
- Use the **back button of your browser** to navigate the website. The **“Content”** button is also very useful.
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- Students have submitted 574 abstracts, each with an oral or poster presentation. Search for specific student presentations through the **“Search Topics”** tool, or by browsing the abstracts in the **“Presentations and Abstracts folder,”** organized alphabetically by presenter’s last name. The **“Search Topics”** tool searches through presenters’ names, mentors’ names and department, abstract titles, and abstract narrative.

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Review Student Presentations and Provide Feedback

- Each presentation has a folder with the abstract (title of presentation, mentor's name and affiliation, and abstract), **a link to the discussion thread to give feedback to the student**, and **a link to the student presentation**. The presentation may be a digital poster, or a recording of an oral presentation.
- Access to feedback is available below the abstract. Do not provide feedback directly to the presentation because it will not be visible to the student.

2020 CURO Symposium

Course Home Content Discussions Confidentiality Agreement

Search Topics

Kennedy, Culzean

Using VacSIM Platform to Stabilize Malaria Vaccines
Culzean Kennedy, CURO Summer Fellow, CURO Research Assistant
Dr. Donald Hare, Infectious Diseases, College of Veterinary Medicine

Malaria remains one of the most severe global public health problems. There is currently no vaccine available that confers significant protection against malaria infection. Further, most vaccines require a vaccine cold chain, which is a major problem for low-resource settings. Previously, we showed that VacSIM, a delivery method platform, significantly enhanced the efficacy of malaria CnTOS and CSP vaccines. Here we proposed to test the ability of VacSIM to stabilize malaria CnTOS and CSP vaccines by freeze-drying them in VacSIM. Mice were immunized every 3 times at four-week intervals with a formulation containing 2 µg of CnTOS or CSP adjuvanted with CpG then mixed with 0.5% VacSIM. For one cohort we freeze-dried the antigen-adjuvanted VacSIM mixture. Freeze-dried vaccines were reconstituted in water prior to injection. Mice were challenged with 500 sporozoites and body weight was recorded daily. On day 15, blood was collected to assess parasitemia levels, and then mice were euthanized for organ collection. No differences in antibody responses were seen in mice vaccinated with freshly prepared or freeze-dried VacSIM. However, mice vaccinated with freeze-dried VacSIM lost weight similar to the unvaccinated group (p > 0.05) whereas mice vaccinated with freshly prepared VacSIM had significantly less weight loss than mice vaccinated without using VacSIM. Evaluation of ELISA endpoints (IgG, T-cell responses, and final parasitemia is ongoing). VacSIM is recommended to improve vaccine efficacy. Additional studies will evaluate how the concentration of VacSIM influences vaccine after freeze-drying.

Last Names A
Last Names B
Last Names C
Last Names D

To give feedback go to Feedback for Kennedy, Culzean

Kennedy, Culzean
PDF document

Course Home Content Discussions Confidential

Table of Contents Presentations and Abstracts Last Name

Jane Smith

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Comments

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- To provide feedback, return to the abstract page and click on **“To give feedback go to [name of student]”**
- Once in the feedback folder, start a new thread, including title to the thread, and a comment. Post.

Discussions List > View Topic

Feedback for

Subscribe

Start a New Thread

Participant and Student Responsibilities

- This is an asynchronous Symposium. There are no expectations of engagement at specific times. Participants may choose to explore the website, provide feedback, and review feedback at the times most convenient to them.
- We ask all participants and presenters in the Symposium to explore and review student posters and oral presentations, and provide valuable feedback to students.
- We ask all student presenters to review the feedback provided for them, and, when appropriate, respond to the feedback. Student presenters may add additional materials for their visitors by using the discussion thread provided under their name.

Need help?

- Technical assistance with eLearning Commons (eLC) is available via the following resources: https://eits.uga.edu/learning_and_training/elc_support
- Questions about the 2020 CURO Symposium, or corrections for the website may be addressed to curo@uga.edu